

FIRST CYCLE ASSESSMENT & ACCREDITATION
SELF STUDY REPORT
VOLUME 2 (SUPPLEMENTARY)

SUBMITTED TO



**NATIONAL ASSESSMENT &
ACCREDITATION COUNCIL**
राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
BANGALORE

BY



CENTRAL UNIVERSITY OF KERALA
केरल केन्द्रीय विश्वविद्यालय

TEJASWINI HILLS, PERIYE, KASARAGOD, KERALA -671316
[INSTITUTION'S TRACKID: KLUNGN11458]

2016

SSR STEERING COMMITTEE

Chief Patron : Prof. (Dr.) G. Gopakumar
Hon: Vice-Chancellor

Steering Committee : Prof. (Dr.) K.P. Suresh (Chairman)
Prof. (Dr.) M.S. John (Convenor)
Prof. (Dr.) M. Dasan
Prof. (Dr.) Dennis T. Thomas
Dr. Mohamedunni Alias Musthafa
Dr. Rajesh R.

SECTION E

EVALUATIVE REPORT OF THE DEPARTMENTS

SELF STUDY REPORT

SECTION E: EVALUATIVE REPORT OF THE DEPARTMENTS

SCHOOLS AND DEPARTMENTS

I. SCHOOL OF BIOLOGICAL SCIENCE	
1. Department of Animal Science	1
2. Department of Biochemistry and Molecular Biology	25
3. Department of Genomic Science	43
4. Department of Plant Science	69
II. SCHOOL OF EARTH SCIENCE SYSTEMS	
5. Department of Environment Science	105
6. Department of Geology	123
III. SCHOOL OF ECONOMICS	
7. Department of Economics	139
IV. SCHOOL OF EDUCATION	
8. Department of Education	159
V. SCHOOL OF GLOBAL STUDIES	
9. Department of International Relations and Politics	171
10. Department of International Relations – Capital Centre	199
VI. SCHOOL OF LANGUAGES AND COMPARATIVE LITERATURE	
11. Department of English and Comparative Literature	221
12. Department of Hindi	265
13. Department of Linguistic	291
14. Department of Malayalam	303
VII. SCHOOL OF LEGAL STUDIES	
15. Department of Law	317
VIII. SCHOOL OF MEDICINE AND PUBLIC HEALTH	
16. Department of Public Health and Community Medicine	331
IX. SCHOOL OF PHYSICAL SCIENCES	
17. Department of Chemistry	345
18. Department of Computer Science	365
19. Department of Mathematics	395
20. Department of Physics	433
X. SCHOOL OF SOCIAL SCIENCES	
21. Department of Social Work	445
22. Department of Public Administration and Policy Studies	467

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF ANIMAL SCIENCE
(SCHOOL OF BIOLOGICAL SCIENCE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

Department of Animal Science

1. Name of the Department: **Department of Animal Science**

2. Year of establishment: 2010

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Biological Sciences

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M. Sc. Animal Science & Ph.D. Animal Science

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Proposals submitted

7. Details of programmes discontinued, if any, with reasons:

Integrated M.Phil./Ph.D. program; discontinued with the start of direct Ph.D. program

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System

9. Participation of the department in the courses offered by other departments

Yes. In Elective Courses with other departments in the School of Biological Sciences. The courses shared are ANS507: Ecology of Plant-Animal Interaction; ANS502: Biostatistics; ANS 5011: Natural History and Evolution; ANS509: Principles of Genetics and ANS510: Circadian Biology.

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	4	4
Others			1
Guest Faculty – 1			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr. P.A. Sinu	M.Sc., Ph.D	Asst. Professor	Ecology, Biodiversity and Conservation Biology studies, Entomology, Systematics	8	Ph.D. – 8 &M.Phil. – 2
Dr. L. Divya	M.Sc., M.Phil, Ph.D	Asst. Professor	ROS & Developmental Biology, Caecilian Biology & Molluscan Taxonomy	6.5	Ph.D. – 5 & M.Phil. – 3
Dr.H.P. Gurushankara	M.Sc., Ph.D	Asst. Professor	Genetics & Molecular Biology, Toxicology, Cell and Microbiology, Immunology	6	Ph.D. – 4
Dr. Ramachandran Kotharambath	M.Sc., Ph.D	Asst. Professor	Caecilian Systematic Biology, Anthrozoology	6	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Professors:

Dr. Oommen V. Oommen, FASc, Chairman, Kerala State Biodiversity Board,

Prof. S.V. Ravichandra Reddy, Former Professor, Bangalore University

Prof. S.R. Ramesh, Professor, Mysore University

Dr. Balasubramaniam, University of Kerala

Dr. Martha Carthart, Cathcart Laboratory. Department of Molecular Medicine Cleveland

Dr. Tatjana C. Good, Fulbright Fellow, Australia

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc	30%
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc	10 : 1

Ph.D.	3.75 : 1
-------	----------

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	1	0	1*
Administrative staff	1	0	0

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Ecology, Biodiversity and Conservation Biology studies, Entomology, Systematics, ROS & Developmental Biology, Caecilian biology & Molecular taxonomy, Genetics & Molecular Biology, Toxicology, Cell and Microbiology and Immunology.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	1
	National	3
Total grants received (in `)		1,17,50,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. P.A. Sinu	Investigation on insect biodiversity of sacred groves of lowland Western Ghats of South India	UGC-Start-up	6,00,000/-
Dr. P.A. Sinu	Outreach grant	British Ecological Society, UK	2,00,000/-
Dr. P.A. Sinu	Conservation value of sacred groves in the Western Ghats: a latitudinal and altitudinal assessment using insects as probe taxa	SERB-DST	22,00,000/-
Dr. P.A. Sinu	Habitat management for sustaining biodiversity and ecosystem functions in production landscapes of the Western Ghats	Kerala State Planning and Economic Affairs	10,00,000/-
Dr.H.P. Gurushankara	Influence of Endosulfan Residues on Ecological Status of Anuran Population	UGC-Start-up	6,00,000/-
Dr.H.P. Gurushankara	Organophosphate pesticide induced ROS- mediated oxidative	SERB-DST	24,50,000/-

	stress, DNA damage and gene expression in initiation, promotion and progression of Leukemia		
Dr.H.P. Gurushankara	Molecular characterization and Functional evaluation of novel antimicrobial and anticancer peptide(s)	DBT-New Delhi	25,00,000/-
Dr. L. Divya	Caecilian secretomics: their potential	DBT-New Delhi	17,00,000/-
Dr. L. Divya	Conservation of marine turtles with the community participation	Kerala State Biodiversity Board	5,00,000/-
Total Grant			1,17,50,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Department of Entomology, University of Arizona, USA (NSF-USA project)	
	Natural History Museum, London	
	Total Grant Received	
National	Keystone Foundation, Nilgiris	
	Herpetology Conservation Research Fund Award, 2012, Madras Crocodile Bank	
	Total Grant Received	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication		Number
Number of Papers Published in Peer Reviewed Journals (National /International)		39
Monographs		0
Chapters in Books		10
Edited Books		1
Books	ISBN	Publisher
P.A. Sinu and K.R. Shivanna (Editors), Mutualistic interactions between flowering plants and animals.	ISBN 978-93-82460-26-8	Manipal University Press
Caecilians of Kerala	-	Kerala State Biodiversity Board (under press)
Total Number of Books		2
Number listed in International Database		12
Citation Index (Range)		1-31
Source Normalized Impact per Paper (SNIP)		-
SCImago Journal Rank (SJR)		-
Impact Factor (Range)		1-6
h-index (Range)		1-7

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Through registration in a workshop	130,000/-

25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad.

There were 24 such invitations to the faculty during the assessment period, as listed below:

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. L. Divya	Scotland,UK, 2015	Institute of Cardiovascular & Medical Sciences, Scotland University of Glasgow, UK
Dr. Sinu	USA, 2016	Raman Fellowship (Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, USA)
Dr. Ramachandran Kotharambath	United Kingdom 2016	The Herpetology Research Group, Dept. of Life Science, The Natural

		History Museum, London. Fellowship: FLAIR International Research Visit Fellowship, Fostering Linkages in Academic Innovation and Research, Department of Higher Education, Govt. of Kerala.
Dr. Ramachandran Kotharambath	United Kingdom 2015	Conservation Science Group, Dept. of Zoology, University of Cambridge and The Herpetology Research Group, Dept. of Life Science, The Natural History Museum, London. Fellowship: SCCS Research Internship Grant, Conservation Science Group, Dept. of Zoology, University of Cambridge.
Dr. Ramachandran Kotharambath	India, 2015	National Centre for Biological Sciences, Bangalore Fellowship: FLAIR National Lab Visit Fellowship, Fostering Linkages in Academic Innovation and Research, Department of Higher Education, Govt. of Kerala.

26.Faculty serving in	Number
	3
National committees	<p>Dr. L. Divya, INSA young Scientist conclave</p> <p>Dr. L.Divya, Executive Member Kerala Academy of Sciences</p> <p>Dr.L.Divya, Life member , Indian Science Congress Association</p> <p>Dr. H.P. Gurushankara, Life Member Life member, Environmental Mutagen Society of India</p> <p>Dr. H.P. Gurushankara, Life member Indian Science Congress Association</p> <p>Dr. H.P. Gurushankara, Life member, Indian Academy of Biomedical Sciences, India</p> <p>Dr. H.P. Gurushankara, Life member, Indian Immunological Society, India</p> <p>Dr. H.P. Gurushankara, Life member, Society of Biological Chemists India</p> <p>Dr. H.P. Gurushankara, Member; Indian Comparative Animal Physiological Society, India</p>

	<p>Dr. H.P. Gurushankara, Member; Declining Amphibian Populations Task Force–South Asia (DAPTF–SA)</p> <p>Dr. Ramachandran Kotharambath, Executive Committee Member, Association of British Scholars (Trivandrum Chapter) (An organisation under British Council)</p> <p>Dr. Ramachandran Kotharambath, Life Member, Kerala Academy of Sciences, Kerala.</p> <p>Dr. Ramachandran Kotharambath- Member, Western Ghats Network of Protected Areas for Amphibians(WNPATA)</p>
International committees	<p>Dr. L. Divya- Life Member, Society for Translational Research in Cancer</p> <p>Dr. H.P. Gurushankara, Member; International Association for Ecology (INTECOL)</p> <p>Dr. H.P. Gurushankara, Member for International Society for Fluoride Research, New Zealand</p> <p>Dr. Ramachandran Kotharambath- Life Member of The Systematics Association, London, United Kingdom.</p>
Editorial Boards	<p style="text-align: center;">1</p> <p style="text-align: center;">(Fill Here)</p>
Any other (please specify)	

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. P.A. Sinu	Inspired Teachers In-Residence Program at Rashtrapati Bhawan, New Delhi, 5-13 June 2015, Rashtrapati Bhawan, New Delhi, Rashtrapati Bhawan, New Delhi
Dr. P.A. Sinu	Refresher course in Life Sciences, February 2013, Academy refresher course at School of Life Science, Manipal University, Indian Academy of Science
Dr. P.A. Sinu	Orientation program, December 2013, Academic staff college, Kannur University, UGC
Dr. P.A. Sinu	Raman Fellowship for Post-Doctoral Studies for young faculty by UGC
Dr. L. Divya	INSA Young Scientists Conclave, INSA, New Delhi, Nov 2012.
Dr. L. Divya	Orientation Programme, September 2014, UGC-Academic Staff College, University of Kerala, UGC
Dr. L.Divya	Refresher course, June 2015, UGC-Academic Staff

	College, University of Kerala, UGC
Dr. L.Divya	Workshop on NMR & MS 18-20 July, 2013. Srinivasa Ramanujan Institute of Basic Sciences of the KSCSTE at STIC, CUSAT
Dr. L.Divya	SERB School in Chronobiology 16– 30 th June 2013 JNCASR, Bangalore
Dr. L.Divya	National workshop on “methods in <i>in vitro</i> toxicology”, Bharathidasan University, Tiruchirappalli 2 nd to 11 th Oct, 2010.
Dr. L.Divya	Face-to-Face with Frontiers of Science & Technology, 20-23 April 2016, Swadeshi Science Movement & Vision Green Earth Movement Society.
Dr. L.Divya	TECHNOTHSAV 2015-16, Dec 31,2015- 4 Jan, 2016, Govt Polytechnic College, Kasaragod
Dr. H.P. Gurushankara	Orientation Program, January 2015, UGC Academic Staff College, Goa University, Goa
Dr. H.P. Gurushankara	Refresher course, October 2013, GKVK, University of Agricultural Science, Bangalore, Indian Academy of Science
Dr. H.P. Gurushankara	Workshop on ‘Advanced techniques in Genomics of type 2 diabetes’ Madras Diabetes Research Foundation, Indian Council of Medical Research and University of Minnesota, USA, 8 th -12 th February 2011.
Dr. H.P. Gurushankara	Sixth UGC-NRC workshop on ‘Basic Immunological Techniques’ Indian Institute of Science, Bangalore, 24 th September – 6 th October 2012.
Dr. H.P. Gurushankara	National workshop on DNA Barcoding Concepts and Applications, University College, Mangalore University, 18 th -19 th December, 2014.
Dr. H.P. Gurushankara	Translators Orientation Programme in Kannada, University of Mysuru, Hassan PG Center, Central Institute of Indian Languages, Mysore, 1 st -4 th June, 2015.
Dr. H.P. Gurushankara	National workshop on Blood Irradiation and Its Application in Transfusion Medicine, Mangalore University, 17 th October, 2015.
Dr. H.P. Gurushankara,	First Collaborations in Indian Chemical Ecology Workshop, September 10-13, 2016, National Centre for Biological Sciences, Bengaluru.
Dr. Ramachandran Kotharambath	7 th DST SERB School in Herpetology, Wildlife Institute of India, Dehradun. 2013
Dr. Ramachandran Kotharambath	FLAIR Induction Training at 7-11 October, 2013 at Trivandrum.
Dr. Ramachandran Kotharambath	Proteomics Techniques at IIT Bombay, Jan 31- February 2, 2014.
Dr. Ramachandran Kotharambath	Teaching and Learning Techniques at Teaching Learning Centre, IIT Madras, 4-6, August, 2014.
Dr. Ramachandran Kotharambath	FLAIR Communication Skills Development Programme at Trivandrum, Nov. 14-15, 2016.

Dr. Ramachandran Kotharambath	FLAIR Refresher Training at Trivandrum in August 17-18, 2016.
Dr. Ramachandran Kotharambath	Amphibian Conservation Research Symposium, ACRS-2015. 11-12, March 2015, Department of Life Sciences, University of Cambridge.

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects Dr. P.A. Sinu (20 students) Dr. L. Divya (19 students) Dr. H.P. Gurushankara (20 students)	100
percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the National and International level by

Faculty	8
Awardee	Award
Dr. L. Divya	<ul style="list-style-type: none"> • Royal Society of Edinburgh & INSA International Exchange to University of Glasgow- 2015 • SERB Women Excellence Award-(SERB), (DST), New Delhi- 2013(not availed). • Indian National Science Academy (INSA) medal for Young Scientist – 2011. • National Academy of Sciences, India (NASI) ‘Swarna Jayanti Puraskar’ -2011. • Young Scientist Award in Life Sciences by Kerala State Council for Science Technology & Environment (KSCSTE), Govt. of Kerala, 2008. • Best poster award in the International Symposium on current trends in endocrine & reproductive health, University of Mysore, 2011. • Young Investigator Travel Award by International Neuroendocrine Federation, Rouen, France, 2010. • Prof. N.J. Chinoy Award for the best oral presentation by Society for Reproductive Biology & Comparative Endocrinology, Jawaharlal Nehru University, New Delhi, 2010. • CSIR travel grant to attend the 7th International Congress on Neuroendocrinology, France, 2010.

Dr. Ramachandran Kotharambath	Research Excellence Award, 2016. Instituted by Dept. of Higher Education, Govt. of Kerala.
Doctoral/Post-Doctoral fellows	20
Students	20
Arun . D	Carl Gans Grant to present poster at the 11th International Congress of Vertebrate Morphology, Washington, DC, USA, 2016
Beyline Maxwell	First prize for poster presentation - Shankha Sookhanadhara - The Molluscan Database, An Initiative For Molluscan Database Of Kasaragod District, Conference on New and Emerging Trends in Bioinformatics and Taxonomy 'NETBT 2015'- 14- 15 January 2015 at VPMs B. N. Bandodkar College of Science, Thane, Maharashtra
Awardee	Award
Aksah Sam	GATE
Manoj	GATE
Prajna Rai	UGC-JRF/NET
Sheeja C.C	DST-INSPIRE
Thushara V.V	UGC-NET; KSCSTE-JRF
Sangeetha M	KSCSTE-JRF
Asha. G	KSCSTE-JRF
Arunkumar K	KSCSTE-JRF
Midhun. S. Jose	GATE; KSCSTE-JRF
Arun. D	KSCSTE-JRF
Anet Antony	KSCSTE-JRF /GATE/ UGC-NET
Shilpa. O	KSCSTE-JRF /GATE
Anupama KP	KSCSTE-JRF
Rabina.P	KSCSTE-JRF
Parvathy. M	CSIR UGC-NET
Umerali. K	KSCSTE-JRF
Prebin	CSIR UGC-JRF
Stebin Joseph	CSIR- JRF/GATE
Hima. P	KSCSTE -JRF

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
National Workshop of Ecology of plant-animal interactions: concepts and practices	20-25 May 2014	CU-Kerala & British Ecological Society	Prof. K.R. Shivanna, FASc, FNA
National Symposium on Human-Wildlife conflict or	October 18,2014	CU-Kerala &Swasraya Bharat	Dr. P.S. Easa (Member, National Wildlife Board & Director, KFRI)

Department of Animal Science

coexistence: what we want?"			
Ecomeet	October 19,2014	CU-Kerala &Swasraya Bharat	Dr. N.C. Inducchodan IFS (Director, AHADS-Attapady)
Symposium of Taxonomy	Feb 2013	CU-Kerala	Prof. T.C. Narendran FASc Prof. C.A. Viraktamath
World Forest, Water and Climate day celebrations	21 st March 2015	Kerala State Forest Department	Ms. Divya K. (Municipal Chairperson)
World Environment Day celebration	5 th June 2015	CU-Kerala	Adv. Rajendran (Secretary, Zilla Paristhiti Samithi)
Science Communication through folk media	2013	Swadeshi Science Movement	Mr. Shajikumar K. (Writer, and Kerala Sahitya Academy award winner)
Indian Bee Course		CU-Kerala	-
The art and science of teaching science	October 18,2014	Swadeshi science Movement & CUK	
Fourth International Symposium on Translational Research Recent Developments in Cancer Prevention Udaipur, Rajasthan, India, 2011.	Dec 16-19,2011	CUK, DBT,CSIR,STC R, ICMR,DST,NIH	M.D.Anderson Cancer Centre, USA; NIH, USA
National Biodiversity Congress, Thiruvananthapuram.	23-27 Feb, 2015	Govt. of Kerala, CUK, NBCS	
National Biodiversity Congress Thiruvananthapuram	Dec 27-30, 2012	Govt. of Kerala, CUK,NBC, MoEF	
National Science Day	Feb 6, 2013	CUK	Dr. George Thomas Shantiswarup Bhatnagar Awardee. (Dean,IISER,Trivandrum)
Current Trends in Animal Science Research	March 2012	CU-Kerala	Prof. Renee Borges (IISc) Dr. M.K.Thakur, (BHU) Dr.K.P.MohanKumar(IICB-Kolkata) Dr. Oommen V. Oommen (Chairman, Kerala State Biodiversity Board)
Workshop on 'Alternatives to the use of animals in life	29 th November 2010	Mahatma Gandhi-Doerenkamp	Prof. M.A. Akbarsha, Bharathidasan University, Tiruchirappalli

sciences'		Centre	Dr. Oommen V. Oommen (Chairman, Kerala State Biodiversity Board) Dr. M. C. Sathyanarayana Wild Life Biology AVC College, Mayailaduthurai
Seminar on Inter National Year of Biodiversity	07 th December 2010	UNEP/Conventi on on Biological Diversity	Dr. Oommen V. Oommen (Chairman, Kerala State Biodiversity Board)
International Workshop on Functional Glycomics	2 nd and 3 rd February 2011	Central University of Kerala	Dr. Vincent C. Hascal, Cleveland, USA Dr. Hans FG. Vliegenthart, Utrecht University, The Netherlands Dr. Omkumar, RGCB, Trivandrum, Prof. Swamy and Prof. Shashikala Inmadhar, Karntak University

31. Code of ethics for research followed by the departments

CUK Animal Ethics committee approval
CUK Institutional Biosafety Committee approvals

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	562.5	1	35	100	100
Ph.D.	25	5	9	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc	NA	95%	5%	0%
Ph. D.	73%	27%	0%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0

JRF	4
NET	4
SET	7
GATE	6
KSCSTE-Ph.D Fellowships	12
DST- INSPIRE	1
Other Scientific services	2

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M.Phil		9.2%
PG to Ph.D		40%
Ph.D. to Post-Doctoral		Not Applicable
Employed	Campus selection	1
	Other than campus recruitment	10
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	75%
universities from other States	25%
universities outside the country	20%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	2
Research Laboratories	6

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	18/15
Name of Doctoral/PDF students or RA	Advisor
Shibil VK	Dr. PA. Sinu
Prabitha Mohan	Dr. PA. Sinu
Manoj. K	Dr. PA. Sinu
Prashath Ballulaya U	Dr. PA. Sinu
Asha G	Dr. PA. Sinu
Sangeetha Varma VM	Dr. PA. Sinu
Roshnath .R	Dr. PA. Sinu
Rajesh TP	Dr. PA. Sinu
Sruthi MV	Dr. L. Divya
Beyline Maxwell	Dr. L. Divya
Sheeja CC	Dr. L. Divya
Thushara VV	Dr. L. Divya
Arun. D	Dr. L. Divya
Anupama KP	Dr. H. P. Gurushankara
Shilpa . O	Dr. H. P. Gurushankara
Anet Antony	Dr. H. P. Gurushankara
Siddanna Tilagul Kumbar	Dr. H. P. Gurushankara
From other institutions/ universities	5/15
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

M.Sc.Students : 65/82

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee develops the curricula and syllabi through interactive seminars and workshops, which is submitted to the academic council and EC for the final approval of the program.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which is submitted to the AC for approval

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, The department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

YES, the outgoing students were asked to give proposals for any necessary changes in the Syllabus that was taught to them in the farewell program.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Workshop on 'ALTERNATIVES to the USE of ANIMALS in LIFE SCIENCES', 29 Nov, 2010, Central University of Kerala and Mahatma Gandhi – Doerenkamp Center, Bharathidasan University
- Wildlife week celebrations "Living with Marine Turtles" October 2-9, 2015 Sponsored by KSBB, Forest dept. and Social Forestry Division, GFHS, Kanhanghad and CUK.
- Seminar on '2010 International Year of Biodiversity', 7 Dec, 2010.
- International Workshop on "Functional Glycomics", 2 & 3 Feb, 2011.
- Workshop on Climate Change & Biodiversity Conservation, 30th March - 1 April, 2011.
- 4th International Symposium on "Biochemical Roles of Eukaryotic Cell Surface Molecules ", 27- 3 Jan, 2012.
- Symposium on Human-Wildlife conflict or coexistence, October 2014 (1 day, 6 lectures)
- Workshop on Ecology of plant-animal interactions, May 2014 (8 days; 24 lectures and practicals)
- Taxonomy Symposium, March-April 2014 (6 lectures and practicals)
- Indian Bee Course, August 2015
- National Science day with special lectures of Shantiswarup Bhatnagar awardee & INSA young Scientists on Feb 6, 2013.
- Science communication through folk media, October, 2013 (4 days)
- Invited lecture series on Behavioral and Cognitive Science, August-September, 2014 (1 speaker from NIAS-IISc-Bangalore, 11 lectures)
- National Seminar on Current Trends in Animal Science Research, March 2012 (6 lectures)
- Field tour to forests of Western Ghats and premier research institutes in South India

45. List the teaching methods adopted by the faculty for different programmes.

M.Sc: We follow choice-based credit system for M.Sc.. Students are taking elective courses offered by other sister departments in the school of biological science. The department is also offering two elective courses, Biostatistics (ANS502); Ecology of Plant-Animal Interactions (ANS507); ANS 5011: Natural History and Evolution; ANS509: Principles of Genetics and ANS510: Circadian Biology. We follow, power point lectures, multimedia presentations, white-board and marker pen, videos, paper discussion, Student Presentations, in class and take-home assignments. We follow continuous assessment and end semester exams to evaluate the student performance. Field course is a compulsory paper for M.Sc. students.

Ph.D.: Power Point Lectures, Student presentations, Journal Club with Paper discussions, Assignments, Examinations, field course. To teach research methodology, we follow open software, R and SPSS to teach Biostatistics.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to foster the research aptitude and teaching skills of the M.Sc and Ph.D students. Therefore we have student seminar and research paper discussions as part of our curriculum. As an evidence of our achieving the mission, 40% of our M.Sc. students are presently joined for Ph.D programs in various Universities with fellowships such as CSIR-JRF, NET, GATE, KSCSTE, RGNF etc. Our Ph.D students have attended several national and international seminars, workshops and conferences. Since more than 50% of our M.Sc. students are from the Kasaragod locality, we met our mission to give quality higher education to the socially and economically-backward students. 84% of our M.Sc students were girls; therefore, we meet our third mission of women empowerment in higher education.

47. Highlight the participation of students and faculty in extension activities.

Our students are members and often office-bearers of the student council for past two years. In that way they organize a range of programs for the benefit of the student community in the campus. Our students took initiative to form the Prakruthi club in the University. The researchers' forum arranged special lectures, such as Statistics and research methodology with invited lectures for the entire researchers of the campus.

Students have organized invited lectures to celebrate the Science day, teachers day, world wetland day, World environment day

Students have participated in the beach clean-up program and awareness programs

The department is publishing a half-yearly nature magazine of the University, Puthumazha (The first rain). Dr. P.A. Sinu is the chief editor of the magazine. The first issue is released in March 2014. The second issue is released in November 2014. The third issue was released on June 2015.

The faculty of the department have organized several scientific and public events in the campus. In collaboration with the Swadeshi Science Movement, the department organized a timely symposium on “man-animal conflict”. Peoples from different sectors, such farmers, school children, forest officials, guards, wildlife biologists attended the program.

The faculty of Animal Science also delivered several lectures in different seminars and conferences in different States of India

Talks/Invited Lectures

- Dr. P.A. Sinu, 7th International Zingiberacean conference, (fully sponsored), 17-20 August 2015, World Zingiberacean research forum, Chiang Mai, Thailand
- Dr. P.A. Sinu, Intecol 2013: Centenary meeting of British Ecological Society, London, (invited lecture), 18-23 August 2013, British Ecological Society, London
- Dr. P.A. Sinu, Indo-UK Special interest group meeting in Agroecology, (invited lecture), 20-22 February 2015, Calcutta University and British Ecological Society at Calcutta University
- Dr. P.A. Sinu, National Symposium of Entomological Society of India, (invited lecture), 13-15 November 2014, Entomological Society of India and Central Agricultural University at PAsighat, Arunachal Pradesh
- Dr. P.A. Sinu, UGC sponsored National Seminar on Flowering plant reproduction and diversity, (invited lecture), 9-10 January 2015, Fathima Matha College, Kollam, Kerala
- Dr. P.A. Sinu, UGC sponsored National Seminar on “Biodiversity: Its concepts and concern”, (invited lecture), 15-16 January 2015, Providence Women college, Calicut, Kerala
- Dr. P.A. Sinu, UGC-sponsored national seminar on “role of insects marine organisms in wood biodegradation”, (invited lecture), 18-19 March 2014, Sir Syed College, Thaliparamba, Kannur, Kerala
- Dr. P.A. Sinu, UGC sponsored national seminar on “Insect diversity of western ghats: an approach towards modern conservation strategies”, (invited lecture), 7-8 January 2014, Sir Syed College, Thaliparamba, Kannur, Kerala
- Dr. P.A. Sinu, Inauguration of A.N. Namboodiri laboratory on plant-reproductive biology and One day National Seminar, (invited lecture), 25 July 2013, University of Kerala, Thiruvananthapuram
- Dr. P.A. Sinu, DST-INSPIRE orientation program for +1 students, (invited lecture), 22 January 2014, Sacred Heart College, Thevara, Cochin

Dr. P.A. Sinu, UGC National Seminar on Animal Science Research(invited lecture), , 18 December 2014, Kasaragod Government College, Kerala
Dr. P.A. Sinu, Vacation training program for school children, (invited lecture), 18 May 2015, M.S. Swaminathan Research Foundation, Wayanad
Dr. P.A. Sinu, National Environmental Awareness Campaign, (invited lecture), 4 March 2014, Department of Social Work, CU-Kerala
Dr. P.A. Sinu, 13th refresher course in life science, (invited lecture), 28 November 2012, Academic Staff college, University of Calicut
Dr. P.A. Sinu, 14th refresher course in life science, (invited lecture), 18 December 2013, Academic Staff College, University of Calicut
Dr. P.A. Sinu, World Water day celebration, (invited lecture), 20 March 2013, Nehru Arts and Science College, Kanhangad, Kerala.

Dr. L. Divya- INSA Young Scientists Conclave, INSA, New Delhi, Nov 2012.
Dr. L. Divya- Women in Science, 25th Kerala Science Congress, 29 Jan-1 Feb 2013,Trivandrum.
Dr. L. Divya- Workshop on Climate Change & Biodiversity Conservation, 30th March -1 April, 2011.
Dr. L. Divya National Academy of Sciences, India, Annual National Meeting, Nov 24- 26, 2011.

Dr. H.P. Gurushankara, First Collaborations in Indian Chemical Ecology Workshop, (Invited Talk), September 10-13, 2016, National Centre for Biological Sciences, Bengaluru.
Dr. H.P. Gurushankara, UGC Sponsored National seminar on Ethnobotany and Herbal Technology Opportunities and Challenges, (Resource Person), March 18-19, 2016, Dept. of Botany, Govt. Arts and Science College, Karwar, Karnataka.
Dr. H.P. Gurushankara, International Conference on Biodiversity and Evaluation – Perspectives and Paradigm shift (Invited lecture), December 2-3, 2015, Sree Shankara College, Kalady, Kerala.
Dr. H.P. Gurushankara, UGC Sponsored National seminar on New Horizons of Biotechnology, (invited lecture), 9/2/15, Dept. of Biotechnology, KVR Govt. College, Kurnool, Andhra Pradesh.
Dr. H.P. Gurushankara, Regular Resource Person (from 2012) for National College Lecturer and High School teacher training program Talent Development Center, Indian Institute of Science
Dr. H.P. Gurushankara, Resource Person for Orientation Programme for PU College Lectures (Biology), 13th September 2013 at Seshadripuram Independent PU College, Kengeri Satellite Town, Bengaluru
Dr. H.P. Gurushankara, Life Science Forum Inauguration (Invited Lecture) 19th March 2011, Sree Siddaganga First Grade College for Arts, Sciences and Commerce, Tumkur, Karnataka
Dr. H.P. Gurushankara, Zoology Association Inauguration (Invited Lecture) 28th March 2014, NAS College, Kanhangad, Kasaragod
Dr. H.P. Gurushankara invited talk on Infectious diseases and Malformations in frogs and what does it mean to us, Save the Frog Day, CISTUP, Indian Institute of Science, 30th April 2010.

- Kotharambath, R. *Homo naledi: Shaking our understanding of Human evolution*. National Seminar on Recent Trends in Biological Science and Research. 14-15 December, 2015. Dept. of Zoology, Govt. College Kasaragod.
- Kotharambath, R. 2015. *Caecilian diversity of Kerala*. National Seminar on Status and Trends in Biodiversity of Kerala. 29-30, October, 2015. Dept. of Zoology, Govt. Brennen College Thalassery, Kerala.
- Kotharambath, R. *Why should we conserve species?*. Marine Turtle Conservation and Awareness Fest, 2015. 19th October, 2015. Dept. of Animal Science, Central university of Kerala, Kasaragod.
- Kotharambath, R., Wilkinson, M., Oommen, O.V., & Gower, D.J., (2014). Golden age or the beginning of the Western Ghats caecilian taxonomy? Indo-French workshop on “Strengthening capacity for inventory of fauna in biodiversity hotspots in India and its neighbouring countries” workshop to be held at Lacones, Hyderabad, October 14-17, 2014.
- Kotharambath, R, M. Wilkinson, O.V. Oommen, S. George, R.A. Nussbaum & D.J. Gower. On the systematics, distribution and conservation status of *Ichthyophis longicephalus* Pillai, (Amphibia: Gymnophiona: Ichthyophiidae). 7th DST SERB School in Herpetology, Wildlife Institute of India, Dehradun, 14-31 August. 2013

Workshops and Training Sessions Conducted by Faculty

- Dr. L. Divya- organized Wildlife week celebrations “Living with Marine Turtles” October 2-9, 2015 Sponsored by KSBB, Forest dept. and Social Forestry Division, GFHS, Kanhanghad and CUK.
- Dr. L. Divya- Fourth International Symposium on Translational Research Recent Developments in Cancer Prevention Udaipur, Rajasthan, India, 2011, Organizing committee Member, sponsored by DBT, DST, ICMR, CSIR, NIH, STCR, RGCB, CUK.
- Dr. L. Divya- organized National Symposium on Current Trends in Animal Science Research, School of Biological Sciences, Central University of Kerala, March 2012, Kasaragod, sponsored by CUK
- Dr. L. Divya- National Biodiversity Congress, 23-27 Feb, 2015, Thiruvananthapuram, scientific steering Committee, sponsored by Govt. of Kerala, NBC, CUK, MoEF.
- Dr. L. Divya- National Biodiversity Congress Dec 27-30, 2012, Scientific Steering Committee Thiruvananthapuram, sponsored by Govt. of Kerala, NBC, CUK, MoEF.
- Dr. L. Divya- National Science Day Celebrations on Feb 6, 2013 at CUK with special lectures of Dean, IISER & Shanti swarup Bhatnagar Awardee & INSA young Scientists.
- Dr. L. Divya- Swadeshi Science Movement “The art and Science of teaching Science” – Swashraya Bharat Swadeshi Science Movement & Co-organised by CUK.
- Dr. L. Divya- International Seminar on Climate Change, sustainable development & Society, Feb, 27, 2012, at British Council, TKM Institute of Management & University of Kerala.

- Dr. L. Divya- Workshop on Climate Change & Biodiversity Conservation, 30th March -1 April, 2011.
- Dr. P.A. Sinu, Title: National Workshop of Ecology of plant-animal interactions: concepts and practices, Date: 20-27 May 2014, Venue: CU-Kerala, Role: Convener and Course director, Sponsor: CU-Kerala & British Ecological Society
- Dr. P.A. Sinu, Title: National Symposium on Human-Wildlife conflict or coexistence: what we want?”, Date: 15 October 2014, Venue: CUK, Padanakkad Campus, Role: Organizing Secretary, Sponsor: CU-Kerala & Swasraya Bharat
- Dr. P.A. Sinu , Title: Ecomeet, Date: 16 October 2014, Venue: CUK, Padanakkad Campus, Role: Organizing Secretary, Sponsor: CU-Kerala & Swasraya Bharat
- Dr. P.A. Sinu, Title: Symposium of Taxonomy, Date: March-April 2014, Venue: CU-Kerala, Role: Organizing Secretary, Sponsor: CU-Kerala
- Dr. P.A. Sinu, Title: World Forest, Water and Climate day celebrations, Date: 22 March 2015, Venue: CU-Kerala, Role: Organizing Secretary, Sponsor: Kerala State Forest Department
- Dr. P.A. Sinu, Title: World Environment Day celebration, 2015, Venue: CU-Kerala, Role: Organizing Secretary, Sponsor: CU-Kerala
- Dr. P.A. Sinu, Title: Science Communication through folk media, Date: 2013, Venue: CU-Kerala, Role: Organizing committee (member), Sponsor: Swadeshi Science Movement
- Dr. P.A. Sinu, Title: Indian Bee Course, Date: 2015, Venue: CU-Kerala, Role: Convener and Course Director, Sponsor: CU-Kerala
- Dr. P.A. Sinu, Title: Current Trends in Animal Science Research, Date: 2012, Venue: CU-Kerala, Role: Organizing committee (member), Sponsor: CU-Kerala
- Dr. H.P. Gurushankara, Role: Member, Workshop on ‘Alternatives to the use of animals in life sciences’ 29th November 2010, School of Biological Sciences, Central University of Kerala, Riverside transit campus, Padannakkad. Sponsor - Mahatma Gandhi-Doerenkamp Centre
- Dr. H.P. Gurushankara, Organized 2010-Inter National Year of Biodiversity, 07th December 2010, Central University of Kerala, Sponsor: UNEP/Convention on Biological Diversity
- Dr. H.P. Gurushankara, Role: Member and Organizing Secretary, International workshop on ‘Functional Glycomics’ 2nd and 3rd February 2011, School of Biological Sciences, Central University of Kerala, Riverside transit campus, Padannakkad. Sponsor: CU Kerala
- Dr. H.P. Gurushankara, Role: Convenor and Organizing Secretary, National Conference on “Genetics of Human Diseases” 3rd & 4th November 2016, School of Biological Sciences, Central University of Kerala, Riverside transit campus, Padannakkad Sponsor: CU Kerala

Other Activities

- Dr. L. Divya coordinates marine turtle hatchery establishment and monitoring with “Neyythal” an NGO based at Nileswar beach and Kerala State Biodiversity Board towards protecting and tagging Olive Riddleys along Kasaragod.
- Dr. L. Divya, serves as external expert for M.Phil dissertation evaluation, Dept of Zoology, University of Kerala.
- Dr. L. Divya serves as external question paper setter and evaluation for Dept of Computational Biology & Bioinformatics, University of Kerala.
- Dr. P.A. Sinu is the official mentor of Summer Research Fellowship program organized annually by Indian Academy of Sciences, Bangalore
- Dr. P.A. Sinu is the Editor of Puthumazha, the nature magazine of CU-Kerala
- Dr. P.A. Sinu is the External examiner for 3 MPhil thesis in Department of Zoology, Calicut University
- Dr. P.A. Sinu is the External examiner for 4 theory papers and practical papers in Department of Zoology, Calicut University
- Dr. P.A. Sinu works as a consultant for Keystone Foundation, The Nilgiris, and helps the research team there in identifying pollinator insects in vegetable crops.
- Dr. P.A. Sinu works as a consultant for the poly-house farmers of Wayanad District
- Dr. H.P. Gurushankara is the External examiner in Department of Zoology, Mangalore University
- Dr. H.P. Gurushankara is the Board of studies, member of several committees.
- Dr. H.P. Gurushankara is the External examiner in Department of Environmental Science, Kuvempu University, Shivamogga
- Dr. H.P. Gurushankara is the University Cultural Coordinator and Team Manager, several Inter University youth and Sports festivals
- Dr. H.P. Gurushankara, Observer, CBSE-NET/AIPMT/JEE Examinations.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Puthumazha (The First Rain)
- The students are engaged in awareness program on beach clean-up
- The faculty engages the grassroot conservation agency “Neythal” as a consultant.
- The faculty served as microobserver in general elections, CBSE and UGC exams.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Our M.Sc. Animal Science program is accredited by the Academic Council of the University of Kerala, Trivandrum. Therefore our program is equated to M.Sc. Zoology

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department caters to basic science research as it most often the today's basic science that forms the platform for tomorrow's applied science and technology. It is this line that we are working towards improving quality of aquaculture products by natural product supplemented feeds in various cultivable fish species and evaluating their growth regulation at gene and protein levels. We have studied the pollination biology of several cash crops of south India. This information is useful for the farmers for the management of crop systems, pollinators and the habitat for the better yield. We have studied the biodiversity value of sacred forests of Western Ghats. The work is progressing now. We are studying the effect of endosulfan on higher vertebrates. A study has been now initiated how this affected the amphibian fauna. Researchers are studying the taxonomic diversity of insects, molluscs and amphibians of the Western Ghats and the Western coast of India.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Our faculty are world-class, despite they did not have a foreign post-doc degree. They are highly competitive and comparable in terms of the production of research papers and in imparting the new knowledge to the students and generation of funds to the University. Our faculty are highly preferred by the Ph.D aspirants to do their research.

Since the department offers a very basic course in life science, viz, Zoology, we usually get maximum enrolment at M.Sc. and Ph.D level. This locality is also not having a PG department in Zoology. So, we meet the demand of the locality.

Most of our students are girls, in that way we contribute to the women empowerment of the region.

We are proud that about 38% of our M.Sc. students are pursuing Ph.D program in various institutes in India.

Our students are performing better in competitive exams. We also attract a good number of outstation students for our Ph.D programs. Over 87% of our Ph.D students (13/15) are self-supported for their Ph.D programs through availing various Ph.D fellowships. Only 2 students are depending the University fund for Ph.D fellowship.

Most of our students are from poor background, and they have some social and economic hindrances to travel other places for their higher studies. But, we are happy that we support a great majority of the underprivileged students, particularly girl students to pursue their higher studies.

Department of Animal Science

Our major weakness is that our students are not attempting to go abroad for pursuing their higher studies. We are now providing emphasis and orientation in this direction.

Lack of space and Animal house facility often creates troubles the smooth- running of the programs. Our recruitment is also halfway through.

52. Future plans of the department.

- The department plans to take wings by initiating new centres of neurosciences and also translational medicine & research.
- We aim to institute a centre, “Centre for Ecology and Entomology” in the department
- We have plan to institute a center for Caecilian Biology
- The department is also planning to start a certificate course in “Ecological applications”.
- Moving to our permanent campus



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF BIOCHEMISTRY AND
MOLECULAR BIOLOGY
(SCHOOL OF BIOLOGICAL SCIENCE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department **Biochemistry and Molecular Biology**
2. Year of establishment: **2010**
3. Is the Department part of a School/Faculty of the university?
Yes, School of Biological Sciences
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
PG in Biochemistry and Molecular Biology, Ph. D. in Biochemistry
5. Interdisciplinary programmes and departments involved
YES, Biochemistry and Molecular Biology
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL
7. Details of programmes discontinued, if any, with reasons
Integrated M.Phil. /PhD discontinued with the start of direct Ph.D. program
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester, Choice Based Credit System
9. Participation of the department in the courses offered by other departments:
Elective courses, shared by other department of School of Biological Sciences are BCM-509 Glycobiology, BCM-5010 Recombinant DNA Technology and Transgenesis, BCM-506-Molecular Virology, BCM-501 Principles of Genetics
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1**	0
Associate Professors	2	2	2
Asst. Professors	4	3	3
Others	-	-	1*
* DST SERB Project Principal Investigator; ** Likely to join soon			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr Rajendra Pilankatta	M Sc Ph D	Associate Professor	Molecular Virology, Transport ATPase	10	Ph. D.7, M Phil 4
Dr. R. Aswati Nair	M Sc Ph D	Associate Professor	Plant defense mechanisms, Metabolic profiling	9.6	Ph.D: 1 completed and 4 ongoing
Dr V B Samer Kumar	M Sc Ph D	Assistant Professor	Angiogenesis, NonCoding RNA,	8	Ph. D.8, M Phil 4
Dr. Santosh R Kanade	M Sc Ph D	Assistant Professor	Epigenetics Protein Biochemistry	8	Ph. D.6, M Phil 4
Dr. Thejaswini Venkatesh	MSc PhD	Assistant Professor	Cancer Genetics, small non coding RNAs, cytoplasmic granules	3	0 PhD, 0 MPhil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc	*NIL
Ph.D.	Nil

*current academic year

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc	10.6:1

Ph.D.	4.8: 1
-------	--------

15. Number of academic support staff (technical) and administrative staff:

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)		1	1*
Administrative staff		0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies
Virology, Epigenetics and cell signalling, Cancer, Non coding RNA, Protein biochemistry, Nanomedicine, Plant defense mechanisms.

17. Number of faculty with ongoing projects from

Number of faculty with ongoing Research Projects	International	0
	National	6
Total grants received (in `)		209.7 Lakhs

Principal Investigator	Title of the Project	Funding Agency	Amount Sanctioned
Rajendra Pilankatta	Effect of endosulfan on sarco-endoplasmic reticulum Ca - ATPase (SERCA) and Cu-Transport ATPase (ATP7B)	UGC	6.0 Lakhs
	Seroprevalence Of Adenovirus serotype 5 and its implication in adenovirus vector based gene delivery	KSCSTE-Kerala Biotechnology Commission	15.9 Lakhs
	Role of dengue viral proteins in autophagy induction	DST-SERB	23 Lakhs
	Role of copper- handling proteins in cisplatin drug resistance	Department of Biotechnology, Govt. of India	25 Lakhs
Dr V B Sammer Kumar	Analysis of the role of miRNAs in the process of Endothelial Mesenchymal transition during Angiogenesis	Department of Science & Technology	25 lakhs
	Profiling miRNAs Down stream of α	Department of Biotechnology, Govt.	25 lakhs

	6 β 4 integrin: A strategy to target tumor angiogenesis	of India	
	Identification and Functional Analysis of tumor generated exosomal miRNA and elucidating its role in anti - cancer drug resistance	Kerala Biotechnology Commission, KSCSTE	24 lakhs
Dr Santosh R Kanade	Study on the effect of organochlorine insecticides on epigenetic regulators”	Science & Engineering research Board (SERB), New Delhi,	22 lakhs
	Study on the effect of environmental toxicants on epigenetic regulators	Kerala Biotechnology Commission, Kerala State Council for Science, Technology and Environment, Thiruvananthapuram	23 lakhs
Dr. Thejaswini Venkatesh	Identification and functional analysis of tRNA derived sRNAs (small non coding RNAs) in breast cancer	DST-SERB	20.8 lakhs

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Molecular viology and Drug design International collaboration: DUKE –NUS, Singapore	
National	Molecular docking and 3-D QSAR studies to evaluate the mechanism of antimicrobial action of fatty acids from virgin coconut oil and monolaurin Central Plantation Crops Research Institute Kasaragod	
	Institute of Applied Dermatology Kasaragod, Indian Institute of Science Bangaluru, Central Food Technological Research Institute Mysuru, University of Kerala, Thiruvananthapuram	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

NIL

20. Research facility / centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by / created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International) (since after 2010)	Grand Total: 89 Total (since 2010): 60
Monographs	0
Chapters in Books	3
Edited Books	
Books	ISBN
Biological effects of magnetic field	ISBN-10: 3659609986, ISBN-13: 978-3659609985
	LAP Lambert Academic Publishing (3 October 2014)
Total Number of Books	1
Number listed in International Database	

Citation Index (Range)	120-422
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	0-10.74
h-index (Range)	5.5-14

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Masters project work from out side Universities students	90,000.00

25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. Rajendra Pilankatta	USA	Dept of Microbiology and Immunology , Georgetown University , Washington DC under CV Raman Postdoctoral Fellowship

26. Faculty serving in

Faculty Serving in	Number
National committees	1
	Member of Board of studies, Combined UG/PG Board for Biochemistry, Calicut University
International committees	Nil

Editorial Boards	1
	International Haematology Research
Any other (please specify)	Reviewer for peer reviewed journals: Planta Medica (Thieme), Molecular Biology Reports (Springer), Plant Cell Reports (Springer), Functional Plant Biology (CSIRO Publishing), Biochemical Genetics (Springer), Journal of Infection and Public Health (Elsevier), Gene (Elsevier), PMPP (Elsevier), PNAS India (Springer), Biologia (Springer), CRBiologies (Elsevier), J. Plant Res. (Springer), PLOS One, Antiviral Research (Elsevier)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr Rajendra Pilankatta	Refresher course in Environmental Sciences, Nov 2015 Academic staff college, Kannur University
Dr Rajendra Pilankatta	Orientation program , Jan 2014, Academic staff college, Kannur University
Dr Rajendra Pilankatta	2015 Stanford University Mass Spectrometry Research Applications Symposium, October 29, 2015 ; Stanford University, Stanford, CA.
Dr. V B Sameer Kumar	Orientation program , Sep 2013, Academic staff college, Kerala University,
Dr. V B Sameer Kumar	Teacher's Training programme in Microscale Chemistry, Feb 2014
Dr. V B Sameer Kumar	Refresher Course in Environmental Sciences, Nov. 2015, Academic staff college, Kannur University.
Dr. V B Sameer Kumar	National Workshop on Blood Irradiation and its application in transfusion Medicine, Mangalore University, October 2015
Dr. V B Sameer Kumar	Outreach Programme on facilitating Innovation and Patent Filing, IUCIS and MHRD Chair on IPR, CUSAT,

	at Kannur University, July 2016.
Dr. V B Sameer Kumar	Training programme in Sophisticated Analytical Instruments, January 11-15-2016
Dr. R. Aswati Nair	Faculty Development Program (FDP) (June 2012) “Bioinformatics- Algorithms, Databases and Tools (BIOADT)” organized by Department of Computer Science and Engineering, NITC
Dr. R. Aswati Nair	6 th International Symposium on family Zingiberaceae (September 2013) organized by University of Calicut
Dr. R. Aswati Nair	National Workshop on conservation of Rare, Endangered and Threatened (RET) medicinal plants (June 2013) organized by Indian Institute of Horticultural Research (IIHR), Bangalore
Dr Santosh R Kanade	Orientation program , Jan2014, Academic staff college, Kannur University
Dr Santosh R Kanade	National Workshop on Blood Irradiation and its application in transfusion Medicine, Mangalore University, October 2015
Dr Santosh R Kanade	Training programme in Sophisticated Analytical Instruments, January 11-15-2016
Dr. Thejaswini Venkatesh	Attended workshop for faculties on ‘Responsible conduct in Science Education and Research’ organized by US National Academy in Mangalore (May 2015)

28. Student projects

Name of the Faculty	% of Students
Percentage of students who have done in-house projects including inter-departmental projects	100
Percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards / recognitions received at the national and international level by

Faculty	
Awardee	Award
Dr Rajendra Pilankatta	Raman Fellowship for postdoctoral studies in USA by UGC, Govt of India, 2014-2015
Awardee	Award
PhD students	Best poster awards 2
	Balaji Endowment Award at ISARCON
	Mr Ranjeet, PhD Scholar got shortlisted for Fulbright Fellowship

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Title of the Conference/ Seminar/ Symposium/ Workshop	Date, Month and Year	Place	Sponsor
Cluster Seminar on "Biology to New Biology: The Paradigm Shift"	April 10 -12, 2012	CUK, Kasaragod	CUK
6th National Colloquium on evidence based integrative medicine for Lymphatic Filariasis and other chronic dermatoses	December 8th to 10th 2013	IAD, Kasaragod	ICMR & CUK
Workshop on Research Methodology- as part of Swasraya Bharat	Oct 17, 2014	NAS College, Padennakkad, Kasaragod	KSCSTE, SSM, DST etc
A Mega Scientific Exhibition"	Oct 14- 19, 2014	College of Agriculture, Padennakkad	KSCSTE, SSM, DST
Solid Waste Management: A sustainable perspective"	1st Oct 2014	Nehru Arts and Science College, Kanhangad	KSCSTE, SSM, DST
Seminar on "Role of Integrative dermatology: A success story on management of Lymphatic Filariasis".	10th October 2014	IAD Junction, Uliyathadka, Madhur Road, Kasaragod	KSCSTE, SSM, DST
Nano Science- Synthesis to applications"	9th October 2014	Central University of Kerala	KSCSTE, SSM, DST

		Padennakkad, Nileshwar, Kasaragod	
Workshop on Non coding RNA	15-21 Feb 2016	Central University of Kerala Padennakkad, Nileshwar, Kasaragod	CUK

31. Code of ethics for research followed by the departments

CUK Animal Ethics committee approval
CUK Institutional Biosafety Committee approvals

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	885	4	25	100	100
Ph.D.	37	0	0	NA	NA

*Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc	NA	82.75%	17.24%	0%
Ph. D.	28.57%	28.57	42.85	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	5
NET	5
SET	-
GATE	11
KSCSTE Ph.D Fellowships	9
DST INSPIRE	2
Others	0

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M.Phil		5%
PG to Ph.D		35%
Ph.D. to Post-Doctoral		Not Applicable
Employed	Campus selection	0
	Other than campus recruitment	45
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	66%
universities from other States	34%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Library is well equipped with good number department required books and other materials and it has very good IT facilities.

Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	3
Class rooms with ICT facility	3
Students' Laboratories	2+ 2*
Research Laboratories	3

*Common instrument rooms

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	5/21
Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	16/21

40. Number of post graduate students getting financial assistance from the university.
Total M Sc Students and Ph.D. Students 100

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee develops the curricula and syllabi through interactive seminars and workshops, which is submitted to the academic council and EC for the final approval of the program. Further revision in the syllabi is carried out at regular intervals by the board of studies which constitutes members of the Department and eminent academicians of National repute

42. Does the department obtain feedback from

- a. faculty on curriculum as well as teaching-learning-evaluation? If Yes, how does the department utilize the feedback?
At End the each semester, feedback was collected from each student for each course and the feedback is discussed in the faculty council for improvements.
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback is critically analysed and adopted in the developing teaching skills and for internal assessment and evaluation, points will be considered syllabus reframing.

- c. alumni and employers on the programmes offered and how does the department utilize the feedback?

YES, the outgoing students were asked to give proposals for any necessary changes in the Syllabus.

42. List the distinguished alumni of the department (maximum 10)

NIL

43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. Lectures from eminent scientists

Name of the visitors	Designation	Purpose	Date, Month and Year of visit
Dr. Nagarajaram HA	Scientist and Group Leader Laboratory of Computational Biology (LCB), Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad	Lectures in Genome Diversity	2011
Dr. Akash Ranjan,	Staff Scientist, Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad	gave a series of lectures on topic related to Functional Genomics	2011
Dr. Chandra Samuel	Department of Genetics, University of Madras	delivered a series of lectures topic related to human cytogenetics and mutational research.	2011
Prof. Padma R.	Dept. of Biotechnology, Avinazhalingam Womens University, Coimbatore	delivered 30 lectures in topics related to Bioinformatics	2011
Dr. Nirmala Devi,	Avinazhalingam Womens University Coimbatore,	delivered 30 lectures in topics related to Bioinformatics.	2011

Prof. Martha K. Cathcart is scheduled to	, Dept. of Cell Biology, Cleveland Clinic Foundation, USA	deliver a series of lectures starting from	3-2-2012-12-2-2012
Prof. N.K. Balasubramaniam	(Rtd) Professor, Kerala University.	Offered the 3-credit elective course in Biostatistics (48 lectures).	2012
Dr. J.S. Sundaram	Dy. Consultant-Applications, Roche Diagnostics India.	Principles and Application of Real Time PCR	18 Jul 2013 to 20-Jul-2013
Dr. Sagar Shah	Application Specialist, Impereal Life Sciences	Imaging Applications	23-09-2014
Prof. Terence Ryan, FRCP Professor Emeritus	Department of Dermatology at Oxford University, Oxford Brookes University and Churchill Hospital, Oxford, UK	Academic seminar and Brain storm session	April, 2014
Dr Lingaraju M H	Institute of Biochemistry, Graz University of Technology, Graz, Austria	Research opportunities in abroad Universities. And also gave Talk on "Oxidized phospholipids induced toxic effects and ceramide response in Macrophages	07-March-2013
Dr. Rajagopal	Principal Scientist, Department of Protein Chemistry and Technology Central Food Technological Research Institute, Mysore	Product Development: Student-Scientist Interaction on the roadmap from Laboratory to Market14 Sep	14 Sep, 2015

44. List the teaching methods adopted by the faculty for different programmes.

M.Sc: We follow choice-based credit system for M.Sc.. Students are taking elective courses offered by other sister departments in the school of biological science. The department is also offering three elective courses, BCM-509 Glycobiology, BCM-5010 Recombinant DNA Technology and Transgenesis, BCM506 Molecular virology. We follow, powerpoint presentations, Video movies, White board in all class room, paper discussion, Student Presentations, in class and take-home assignments. We follow continuous assessment and

end semester exams to evaluate the student performance. Field course is a compulsory paper for M.Sc. students.

Ph.D: PowerPoint Lectures, Student presentations, Paper discussions, Assignments, Examinations and teaching of course work.

45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

As a part of curriculum we inspired and motivated students develop research aptitude by programmes like student seminar and research paper discussions as etc. This is evidenced by the student progression qualified in CSIR/NET, GATE, KSCSTE JRF, and many students joined premier national institutes like RGCB, CFTRI, etc for their PhD .

46. Highlight the participation of students and faculty in extension activities. Point-wise mentioning of (can be made of): Dissertation projects given to students, Dissertation projects were given to students in the area of

- i) Endosulfan resistant bacteria isolation from the affected soil.
- ii) Molecular characterization of dengue virus genome isolated from infected patients.
- iii) Health awareness campaign was conducted against burning of plastics in public place and released a pamphlet in this regard mainly focussing the school children
- iv) Participated in the public program and presented seminar on “Global warming and infectious disease” to generate awareness in public, against emerging infection.

47. Give details of “beyond syllabus scholarly activities” of the department.

Department carried awareness programme for school children on plastic burning and its impact on environment and health., The faculties served as microobserver in general elections, CBSE and UGC exams.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. **NIL**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

As part of research activities, contributions made by faculty in respective specializations towards expanding basic knowledge in the broad areas of biochemistry and molecular biology may be summarized as:

- **Neglected disease research:** Research focussing on the neglected diseases such as Dengue fever and Filariasis revealed some important findings such as
- i) Northern districts of Kerala hosts for all four serotypes of Dengueviruses

pointing towards the possibility of concurrent infections and may lead to severe Dengue disease in future and ii) Lymphedema due to the infection of microfilariae causes variation in the expression of collagen genes in the affected skin.

- **Transport ATPase Research:** Endosulfan causes the inhibition of Ca transport ATPase (P-type ATPase) and alters the expression level of Copper Transport ATPase (ATP7B). Also, many of the copper handling proteins (ATP7B, ATP7A, CTR1, ATOX1 and CCS) are found to be involved in the action of anticancer drug such as Cisplatin and Carboplatin.
- **Plant Disease Resistance and Metabolic Profiling:** Research focuses on unravelling molecular mechanisms of *Zingiber zerumbet*-*Pythium* pathosystem with major contributions enlisted as (1) importance of hydrolases in *Pythium* colonization and harnessing the hydrolytic capacity of *Pythium* spp for their potential commercial applications, (2) identification of potential endophytes with anti-*Pythium* activity towards search for non-toxic alternatives to chemical fungicides, (3) developing genomic resources for enhancing biotic resistance and (4) metabolic profiling experiments confirming induced biosynthesis of secondary metabolites as one of the basal innate immune mechanisms.
- **Angiogenesis and Non- Coding RNA research:** The angiogenesis and non-coding RNA lab in the Department, involved in multiple externally funded projects to look into the role of miRNAs in the process of EndoMT (endothelial mesenchymal transition) the foremost step in the process of angiogenesis in response to cytokines as well as extracellular matrix components has identified and validated the role of at least 4 important miRNAs in such processes.
- **Metabolic regulation of Angiogenesis:** Investigations carried out in the lab, related to the metabolic regulation of angiogenesis with an emphasis to the regulation of production and biological activities of key angiogenic factors, has revealed that partial inhibition of glycolysis using 2DG at concentrations that do not induce ER stress reduces the angiogenic potency of tumor cells.
- **Horizontal transfer of Genetic material:** Investigations into the role of miRNAs in carcinogenesis, anti-cancer drug resistance and, angiogenesis, with special emphasis to the horizontal transfer of miRNAs as genetic modulators revealed that miRNAs secreted from one source are taken up by different kind of recipient cells and this transfer of microregulators can regulate phenotypes of the recipient cells such as angiogenesis in ECs; and sensitivity of recipient tumor cells to a particular drug.
- **Epigenetics and cell signaling:** Epigenetics is the study of heritable changes in gene expression that occur without changes in DNA sequence. Epigenetic mechanisms are reversible and flexible can change genome function under exogenous influence. Environment toxicants modulate the epigenome throughout the life span. Identifying the effects of environmental exposures on epigenetic modulation like DNA methylation, histone and non-histone protein

modifications induced by man made chemicals that transmit to next generations. Such information has been fundamental to determine environmental risks and shape current regulatory efforts for exposure reduction.

- **Lectin Biology:** Lectins are proteins or glyco-proteins binding selectively with non-immune origin with wide potential in cell recognition, proliferation control, adhesion, cell differentiation, etc. Lectins have commonly been used as a perfect molecular tool in various disciplines of biology and medicine and commonly used in the diagnosis of genetic conditions in several diseases. We focused on functional characterization and down stream signaling of lectins that have differently bind glycoconjugates of normal and tumor cells that useful in cancer treatment and diagnostics.
- **Interdisciplinary Research:** 1) Interdisciplinary research with the nanotechnology division of the Dept of Physics lead to the development Copper nanoparticle based sensor for ammonia detection and quantification. 2) Interdisciplinary research conducted in collaboration with the NIIST, Trivandrum, came up with a novel green flurescent quantum nanodots that have potent anti-angiogenic activity.
- **Breast cancer biomarker research:** Breast cancer is a multifactorial and genetically heterogeneous disease. Detection of breast cancer is usually performed using invasive and expensive diagnostic tools. Our research aims at understanding and expression profiling of serum non coding RNAs such as miRNAs, lncRNAs, tRFs and tsRNAs and use analyse their potential as breast cancer diagnostic biomarkers. Development of such non invasive biomarkers will also prove to be more accessible and inexpensive for the patients. Additionally, the understanding of the molecular mechanisms of such non coding RNAs and their pathway regulation can aid the clinical (chemotherapeutic) decisions based on the serum non coding transcriptome of individual patient.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	<ul style="list-style-type: none"> ➤ Publications ➤ Extramural research funding received by faculty ➤ Academic achievements/professional recognition of faculty and students ➤ Dedicated faculty ➤ Motivating students to pursue research ➤ Use of online resources to supplement traditional teaching practices ➤ Personal mentoring of students as and when required
Weaknesses	<ul style="list-style-type: none"> ➤ Shortage of adequate physical space for research laboratories ➤ Infrastructure
Opportunities	<ul style="list-style-type: none"> ➤ Developing online teaching resources ➤ Expansion of research activities ➤ Mobilization of research grants from national and

	<p>international funding agencies</p> <ul style="list-style-type: none"> ➤ Modifying syllabus based on industrial requirements/demands
Challenges	<ul style="list-style-type: none"> ➤ Effective teaching of a heterogeneous group of students ➤ Career guidance/advice to students ➤ Ensuring that all students graduate with competence and imbibe maturity expected from an educated individual

52. Future plans of the department.

- Establishment of a central instrumentation laboratory with state-of-the art analytical facilities that will cater to the needs of researchers both within the University as well from outside
- Collaborations with national institutes by undertaking joint research activities
- Periodical syllabus revision towards strengthening existing course based on demand/relevance
- Student enrichment programs through lectures/ workshops by external experts
- Augmenting laboratory infrastructure at par with global standards so as to foster advanced research in the area of Biochemistry and Molecular Biology
- Promote liaison with industry through collaborative research programs and establishing industrial linkages for student internships/ training/ short term industry oriented courses
- Establishment of Centers to undertake specialized and translational research in the areas of Diagnostics, Drug Development and natural product research
- Offer consultancy services

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF GENOMIC SCIENCE
(SCHOOL OF BIOLOGICAL SCIENCE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department : **GENOMIC SCIENCE**
2. Year of establishment : 2010
3. Is the Department part of a School/Faculty of the university?
YES (SCHOOL OF BIOLOGICAL SCIENCES)
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
M.Sc in GENOMIC SCIENCE & Ph.D. in Genomics
5. Interdisciplinary programmes and departments involved
Proposal submitted to the Department of Biotechnology, Govt of India to support an interdisciplinary Post-graduate Diploma course in Agricultural Biotechnology. The following Departments are involved in the proposed programme
 1. Department of Biochemistry & Molecular Biology
 2. Department of Plant Science
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL
7. Details of programmes discontinued, if any, with reasons
M.Phil in Genomics and Proteomics
Discontinued with start of direct PhD program
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
CBCS/SEMESTER SYSTEM
9. Participation of the department in the courses offered by other departments
BIOINFORMATICS BCM503
BIOINFORMATICS ANSC503
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	1
Associate Professor	2	2	0
Assistant professor	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Years of Experience	No. of PhD/ MPhil students guiding in last 4 years MPhil & PhD
Dr.A. Manickavelu	M.Sc., Ph.D.	Associate Professor & Head	Plant Genetics & Genomics	11	0 & 2
Dr.Padmesh P. Pillai	M.Tech., Ph.D.	Associate Professor	Genetic diversity analysis and secondary metabolite pathway analysis in plants	20	5 & 1 (M.Tech)
Dr.Ranjith N. Kumavath	M.Sc., Ph.D.	Assistant Professor	Cancer Genomics, Microbial Genetic and Metagenomics	8	4 & 3
Dr. Tony Grace	M.Sc., Ph.D.	Assistant Professor	Genomics, Bioinformatics and Population Genetics	8	8 & 7
Dr. M. Nagarajan	M.Sc., Ph.D.	Assistant Professor	Molecular Genetics & Epigenetics	8	4 & 3
Dr.Smita Sudheer	M.Sc., Ph.D.	Assistant Professor	Pluripotent stem Cells, Genomics (Whole genome transcriptomics and Bioinformatics)	5	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr. Arabandi Ramesh

13. Percentage of classes taken by temporary faculty – programme-wise information

MSc : NIL

PhD : NIL

14. Programme-wise Student Teacher Ratio

MSc : 6:1 teacher student ratio

PhD : 3:1 teacher student ratio

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Administrative: 1 filled (Temporary)

Technical: 1 filled (Permanent)

16. Research thrust areas as recognized by major funding agencies

N/A

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies,

project title and grants received project-wise.

a. National: 6

b. International: 1

c. Total Grants received: 12

(Rs in lakhs)

Principal Investigator	Title of the Project	Funding Agency	Amount Sanctioned
<u>International:</u> Dr. A Manickavelu (Technical Co-Ordinator)	Improving food security by enhancing wheat production and its resilience to climate change through maintaining the diversity of currently grown landraces	FAO (Benefit sharing fund of the International Treaty on Plant Genetic Resources for food and Agriculture)	30,000 US \$
<u>National:</u> Dr. Padmesh P. Pillai	Metabolic pathway analysis of L-Dopa synthesis in <i>Mucunapruriens</i> L. by characterization of chatecholamine pathway with emphasis on modulation of tyrosine hydroxylase gene	DBT, Govt of India	49.75
	Genomic characterization of wild <i>Musa</i> spp. using microsatellites and its pollen cryobank development	DBT, Govt of India	30.51
	Biotechnological interventions for conservation and utilization of forest resources	DBT, Govt of India	78.30
	Conservation and restoration of two endemic and critically endangered tree species (<i>Syzygium gambleanum</i> Rathakr. & Chithra and <i>Syzygium rama-varmae</i> (bourd.) Chithra from Agastyamalai biosphere reserve through conventional and non-conventional propagation	DBT, Govt of India	18.80

	Conservation of <i>Vanda thwaitisii</i> , <i>V. wightii</i> , and <i>Eulophia cullenii</i> three endangered orchids of Western Ghats through micropropagation and restoration with tribal participation	DBT, Govt of India	39.53
	Transcript profiling of differentially expressed gene(s) involved in the downstream step(s) leading to artemisinin biosynthesis on GA ₃ Induction	Kerala Biotechnology Commission, Govt of Kerala	4.50
Dr.Ranjith N. Kumavath	Studies on the Metabolism of Aromatic Amino Acids using Metabolomics and Proteomics Approaches in Anaerobic Human Pathogenic <i>Fusobacterium</i> sp.	UGC-BSR START-UP GRANT	6.0
	Comparison of Rhodethrin, SlpA and DspE proteins as Novel Agents for Antigen Carrying Modulation of Apoptotic Activity in Cell lines”	SERB-DST, Govt. of India	24.30
	“Effects of Rubrivivaxin, Rhodethrin and Thienopyridine as Novel Antibacterial Agents for Targeting Two Component Signal Transduction in <i>Enterococcus faecalis</i>	SERB-DST, Govt. of India	41.50
Dr.M.Nagarajan	Molecular identification of commercially important <i>Mystus</i> species using cytochrome c oxidase-I gene	SERB-DST, Govt. of India	23.00
	Molecular characterization of <i>Mystus</i> species using cytochrome b gene in different rivers	UGC, Govt. of India	11.01
	Genetic diversity and origin of Indian domestic ducks	SERB-DST, Govt. of India	49.90

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration : 7 + 2 (one each submitted to DBT and DST in collaboration with NICED, Kolkata and CWRDM, Calicut, respectively)
 b) International collaboration : 3

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Post-graduate Diploma course on Agricultural Biotechnology submitted to DBT, Govt of India as Departmental project

20. Research facility / centre with

State recognition : NIL

National recognition : NIL

International recognition : NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

Number of papers published in peer reviewed journals (national / international)
: 69 (2010-2016)

Monographs : NIL

Chapters in Books : 10

Edited Books : 1

Books with ISBN with details of publishers : Details below

Number listed in International Database : 17

Citation Index – range : 0-110

Impact Factor – range : 1-11

h-index-range : 4-11

23. Details of patents and income generated :

An Indian process patent on “Process for enhanced *in vitro* production of hypericin from *Hypericum hookerianum*” No. 224656 (Term of patent 2004- 2024)

24. Areas of consultancy and income generated

NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

NIL

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify) :

a. National Committees : 1
Dr. M. Nagarajan, Mentor, Summer Research Program, Indian Academy of Sciences.

b. International Committees : 0

c. Editorial Boards : 7 :

1. Dr. Tony Grace, Editorial Board, International Journal of Nematology, UK
2. Dr. Tony Grace, Editorial Board member, International Journal of Genomics, Proteomics, Metabolomics & Bioinformatics (IJGPMB)
3. Dr.Ranjith Kumavath, Journal editor: African Journal of food Science, editorial member from 2010.
4. Dr.Ranjith Kumavath, Associate Editor: Journal of integrative Omics, since 2012.
5. Dr.Ranjith Kumavath, Editorial Member: International Journal of Genetics and Genomics-2014
6. Dr.Ranjith Kumavath, Editorial Member of American Journal of Life Sciences-2015.
7. Dr.Ranjith Kumavath, Editorial Member: Journal of Genomics and Bioinformatics-2016

d. Journal reviewers:

1. Dr. A. Manickavelu - Scientific reviewer for the following Journals: Theoretical and Applied Genetics, Euphytica, Molecular Breeding, PloS One, BMC Plant Biology, Functional Plant Biology, British Biotechnology Journal, DNA Research, G3, Plant Biotechnology Reports, Journal of Applied Phycology
2. Dr. Padmesh P Pillai- Scientific reviewer for the following journals : Indian Journal of Experimental Biology, Indian Journal of Biotechnology, Current Science, Journal of Plant Research, Proceedings of the National Academy of Sciences India Section-B Biological Sciences, Functional & Integrative Genomics , Fitotherapia, Acta Physiologia Plantarum
3. Dr.Ranjith Kumavath- Scientific reviewer for the following Journals: Natural Product Research (Taylor & Francis); Journal of Microbiology and antimicrobials; Current Microbiology (Springer's); Analytical Biochemistry (Elsevier); Journal of Hazardous Materials (Elsevier) and International Journal of Infectious Diseases (Elsevier)
4. Dr. M. Nagarajan - Scientific reviewer for the following Journals: Animal Genetics, Animal Breeding & Genetics, Molecular Biology Reports, GENE, Mitochondrial DNA, Organisms Diversity and Evolution, Biochemical Genetics, Environmental Biology of Fishes, Journal of Applied Ichthyology, Fish & Shellfish Immunology, Current Science, Journal of Genetics, Proceedings of the National Academy of Sciences, India Section B: Biological Sciences
5. Dr. Smita Sudheer: Scientific reviewer for the following Journals: Stem Cells and Development; BMC Genomics; Pesticide Biochemistry and Physiology

e. Project proposal reviewers:

1. Dr. A. Manickavelu: BBSRC sLoLa grant, BBSRC responsive mode grant (UK funding agency)
2. Dr. Padmesh P Pillai: Department of Biotechnology, Department of Science &

Technology, Council of Scientific & Industrial Research, Govt of India

3. Dr. Ranjith N Kumavath: Department of Biotechnology, Department of Science & Technology
4. Dr. M Nagarajan: Department of Biotechnology, Department of Science & Technology

f. State committee:

Dr. Padmesh P Pillai

1. Nodal Officer in Biotechnology, work group constituted by KSCSTE, Govt of Kerala (2014)
2. Co-convener, Session on Science and Technology, 25th Kerala Science Congress conducted by KSCSTE, Govt. of Kerala (2013)
3. Co-Convenor , Committee to study the impact of previous KSC's, conducted by KSCSTE, Govt. of Kerala, (2013)
4. Co-convener, Technical paper evaluation and technical sessions committee, 26th Kerala Science Congress conducted by KSCSTE, Govt of Kerala (2014)
5. Member, Technical sessions committee, 25th Kerala Science Congress conducted by KSCSTE, Govt of Kerala (2013)
6. Member, Publication Committee, 28th Kerala Science Congress conducted by KSCSTE, Govt of Kerala (2016)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name of the faculty	Name of the Programme	Date, month and Year	Place	Sponsor
Dr. RanjithKumavath	88 th Orientation course UGC-ASC	28 th March, 2014 to 25 th April, 2014	Academic staff college, Goa University	UGC
	Refresher course in Biotechnology	6 th -27 th March 2015.	Academic staff college, Pondicherry University	UGC
	Science academies' Refresher Course on Advanced laboratory techniques in cell and molecular biology"	29th February, 2016 to 12th March, 2016	School of Life Sciences, Manipal University, Manipal,	Academies of sciences, India.
Dr. Tony Grace	Orientation Program	12 th November 2014 till 9 th Dec 2014	UGC-Academic Staff College, Kannur University	UGC

Dr Tony Grace	Refresher Course	11-11-2015-01-12-2015	UGC-Academic Staff College, Kannur University	UGC
Dr. M. Nagarajan	Orientation Program	03-01-13 to 31-01-13	UGC-Academic Staff College, Kannur University	UGC
	Refresher Course in Life Sciences	22-11-2013 to 12-12-2013	UGC-Academic Staff College University of Calicut	UGC
Dr. Smita Sudheer	1st Annual Symposium on Cell and Gene Therapy	5-6 August 2016	Centre for Stem Cell Research, Vellore	DBT, ICMR

28. Student projects

Percentage of students who have done in-house projects including inter-departmental projects: 93%

Percentage of students doing projects in collaboration with other universities/industry / institute: 7%

29. Awards / recognitions received at the national and international level by

Faculty : 5
 Doctoral /Post Doctoral fellows : 6
 Students : 12

- a. Only Department in Central University of Kerala where students have obtained International Fellowships and pursuing PhD abroad. 5 Msc students currently doing PhD in USA (3), Europe (1) and Israel (1) including one student on Prestigious Marie Curie International Fellowship.
- b. 4 students MSc (3) and PhD (1) have won Best Research Presentations Awards for their Research in the past 5 years at National Meetings

30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

Faculty Name	Title of the Conference/ Seminar/ Symposium/ Workshop	Date, Month and Year	Role	Sponsor	outstanding participants
Dr. Ranjith Kumavath	Conference on "Biodiversity, Bioresources and Biotechnology"	January , 30-31, 2014	Organized with the society of applied Biotechnology, Mysore	Society of applied Biotechnology	-
Dr. M.	National Symposium	15	Swasraya	Kerala	P.S Easa

Nagarajan	on Human-Wildlife conflict or coexistence: what we want?"	October 2014	Bharat 2014, CUK, Padanakkad Campus	science congress and Central University of Kerala	(Member National Wild Life Board)
	Frontiers in Genetics and Genomics	7-8 April 2016	CUK, Padanakkad Campus		Dr. W.S. Lakra Vice Chancellor, Centrl Institute of Fisheries Education (ICAR) Mumbai Dr. Satish Kumar, Deputy Director, CCMB, Hyderabad
Dr. Tony Grace	Workshop : Preparing a Grant Proposal and Writing a Research Paper	October 2014	Swasraya Bharat 2014, CUK, Padanakkad Campus	Swadeshi Science Congress and Central University of Kerala	-
Dr. Tony Grace	6 th National Colloquium on Filariasis	8-10 Dec 2013	6 th National Colloquim-IAD-CUK, IAD, Kasaragod	IAD and Central Univ. of Kerala	-
Dr Tony Grace	Workshop : Application of genomic tools in Plant Science'	8-12 August 2016	Workshop : Application of genomic tools in Plant Science'	Central University of Kerala	Dr Anand Sarkar NIPGR NewDelhi Dr Mukesh Jain, JNU
Dr Tony Grace	Workshop Decoding the Noncoding	Feb-15-2016 to Feb-20-201	Workshop	Central University of Kerala	
Dr. Ranjith Kumavath, Dr. Tony Grace,	Gene, Genome and Genomics	April, 10-12, 2012	Organized, CUK, Padanakkad	Central University of Kerala	Dr. Satish Kumar, Deputy

Dr. M. Nagarajan			Campus		Director, CCMB, Hyderabad Prof. Appa Rao Podile - University of Hyderabad Prof. Indrani Karunasaagar, College of Fisheries, Mangalore
Dr. Padmesh P Pillai	Work shop on Biodiversity characterization using biotechnological tools	7-18 th February 2011	Course Coordinator	Kerala Biotechnology Commission, Govt of Kerala	
Dr. Padmesh P Pillai	Short-Term Training Course on 'Genomics and Metabolomics of Wild Medicinal Plants' for UG & PG college teachers	16 th Nov- 4 th Dec 2015	Course Director	DBT, Govt of India	Prof. A.K Srivastava, IIT Delhi Dr. D. Narasimhan Member, Expert committee, Access and Benefit Sharing, National Biodiversity Authority

31. [Code of ethics for research followed by the departments](#)
 CUK Institutional Human Ethics Committee Approvals
 CUK Institutional Biosafety Committee approvals

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MSc Genomics	234	15	53	100	100
PhD Genomics	29	9	10	-	-

*average of the last four years

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other Universities within the State	% of students from universities outside the State	% of students from other countries
MSc Genomics	NIL	87 %	13 %	0%
PhD Genomics	14%	43%	43%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC-NET: 1

CSIR-JRF: 1

KSTSTE: 5

GATE: 8

35. Student progression

Student Progression	Percentage Against Enrolled
UG to PG	NA
PG to M.Phil.	8.3
PG to Ph.D.	13%
Ph.D. to Post-Doctoral	NA
Employed <input type="checkbox"/> Campus selection <input type="checkbox"/> Other than campus recruitment	15%
Entrepreneurs	NIL

36. Diversity of staff: Percentage of faculty who are graduates

- a. of the same university : NIL
- b. from other universities within the State : 17%
- c. from universities from other States : 50%
- d. from universities outside the country : 33%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of departmental infrastructural facilities with regard to

a) Library: Adequate number of books have been recommended by the department faculty to time and which are acquisitioned by the main library

b) Internet facilities for staff and students: 30 computers with internet access for students and Faculty

c) Total number of class rooms : 2

d) Class rooms with ICT facility :2

e) Students' laboratories : 2

f) Research laboratories : 4

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : 4/18
- b) from other institutions/universities : 14/18

	Name of Doctoral Student	Status	Advisor
1	Deepthi, M	Host University	Dr.Tony Grace
2	Shamjana U	Other University	Dr. Tony Grace
3	ThashiBharadwaj	Other University	Dr.Tony Grace
4	Amritha, A.A	Other University	Dr. Tony Grace
5	JobyPulikkan	Other University	Dr. Tony Grace
6	Deepa A.V	Other University	Dr. Tony Grace
7	Shalini, M	Other University	Dr. Tony Grace
8	Arvind, K	Other University	Dr. Tony Grace
9	Kamesh Pandian	Other University	Dr. M. Nagarajan
10	Nimisha, K	Other University	Dr. M. Nagarajan
11	Subash Thomas	Host University	Dr. M. Nagarajan
12	Kamala Kannan R	Other University	Dr. M. Nagarajan
13	Vandana R. Prabhu	Host University	Dr. M. Nagarajan
14	MadangchanokImchen	Other University	Dr.RanjithKumavath

15	B.Dhanasekhar Reddy	Other University	Dr.RanjithKumavath
16	EswarRao T	Host University	Dr.RanjithKumavath
17	Jamseel M	Other University	Dr.RanjithKumavath
18	Minu M Nair	Other University	Dr. A. Manickavelu

40. Number of post graduate students getting financial assistance from the university.

MSc Students : 18

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee suggestion the consultative committee develops the curricula and syllabi through Interactive Seminars, and Workshops, which is submitted to the Academic Council and Executive Council for the final approval of program

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year the faculty council of the department meets and proposes the necessary changes in the curriculum and syllabus which is submitted to Academic Committee for approval. Before sending for final approval, feedback for the revised syllabus is sought from scientists in industries and academia (national and international) and necessary changes are incorporated.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, The department evaluates the student feedback to improve teaching, syllabus and delivery methods.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes, The outgoing students were asked to give proposal for any necessary changes in the syllabus that was taught to them

43. List the distinguished alumni of the department (maximum 10)

N/A

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

A. Lectures/ Talks on Human-Wildlife conflict or coexistence, October 2014

B. Workshop and Lectures on Grant Writing and Research Paper preparation 2014

C. Invited Lectures at the National Workshop Application of Genomic Science in

Plant Science, August 8-12, 2016

45. [List the teaching methods adopted by the faculty for different programmes.](#)

MSc : Power point lectures and teaching boards, multimedia presentations, videos, paper discussion, Student Presentations, group discussions, in class and take-home assignments, examinations.

PhD: PowerPoint Lectures and teaching boards, Student presentations, Paper discussions, Assignments, Examinations

46. [How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?](#)

Our mandate is to foster research aptitude and teaching skills of the MSc and PhD students. Therefore we have student seminar and research paper discussions as part of our curriculum. As an evidence of our achieving the mission, 13% of our MSc students have presently joined for PhD programs in various Universities with fellowships. Our PhD students have attended several national and international seminars, workshops and conferences. Since more than 20% of our MSc students are from the Kasaragod locality, we have met our mission to give quality higher education to the socially and economically-backward students. 78% of our MSc students were girls; therefore, we meet our third mission of women empowerment in higher education.

47. [Highlight the participation of students and faculty in extension activities.](#)

[Invited Talk](#)

Name of Faculty	Name of the Conference/Seminar/Workshop	Date	Organized by
Dr Padmesh P Pillai	Resource person in the UGC sponsored refresher course in Life Sciences	December 2015	Calicut University, Calicut
	Resource person in the National seminar on Recent Trends in Biological Sciences and Technology	September 2015	University College, Thiruvananthapuram
	Resource person in the refresher course in Plant Taxonomy	February 2013	Jawaharlal Nehru Tropical Botanic Garden & Research Institute, Thiruvananthapuram
	Resource person in the colloquium on “GM foods- Science, safety and society” organized	February 2013	IGNOU at Govt Womens college, Thiruvananthapuram
	Resource person in the training	February	Govt Ayurveda College,

	programme on “Application of instruments in drug standardization for Ayurveda College Teachers and Medical officers	2012	Thiruvananthapuram
	Resource person in the refresher course in Plant Taxonomy	December 2010	Jawaharlal Nehru Tropical Botanic Garden & Research Institute, Thiruvananthapuram
(Dr.Ranjith Kumavath)	“Effect of Surface layer Biomolecules: As a Novel Antimicrobial and Anticancer Activities produced from <i>Lactobacillus</i> and <i>Enterococcus</i> sp	29-30, Dec, 2014	National Conference on “Biotechnology- (MARINA-14), Department of Biotechnology, Dr. N.G.P Arts and Science College, Coimbatore-48.
	“Research in Day-to-Day Life” with the special emphasis on Education, Research Challenges and Opportunities	29 th Dec, 2014	Dr. N.G.P College of Education, Coimbatore, on 29 th December, 2014 under the roof of curriculum on Research Activities
	Workshop on Flow Cytometry and cell sorting	25 th -26 th May, 2015	Rajiv Gandhi Centre for Biotechnology (RGCB) Thiruvananthapuram
Dr. Tony Grace	Insights from sequencing and annotation of Insect genomes Sanger Vs. Next Generation Sequencing.	12-16 March 2013	DBT Sponsored Training Program Next Generation Sequencing Data Analysis and Annotation at IISR Kozhikode. Plenary
Dr. Tony Grace	Sequencing and annotation of insect genomes, insights from <i>Tribolium castaneum</i> and <i>Mayetiola destructor</i> genomes	July 2013	Swadeshi Science Congress, Kasaragod, Kerala, India November 2012 (Lead Talk)
Dr Tony Grace	Human Genome Project	January 2013	Kendriya Vidyalaya, Keltron Nagar Kannur, Invited Talk in National Level KV Teachers Training Prog
Dr. Tony Grace	Study of use of PCR amplification and sequencing of toxin producing microorganisms implicated in autism.	2015	27th Kerala Science Congress, Alleppey, Kerala
	Identification, sequencing & Homology modelling of Cytochrome P450 from <i>Rhipicephalus (Boophilus)</i>	2014	PSI 6th annual meeting "Proteomics from discovery to function" .International Proteomics conference.

	<i>annulatus</i>		
	Detection and identification of Intimin gene producing Enterohemorrhagic <i>Escherichia coli</i> (EHEC) in faecus of Autistic children	2014	National Seminar on New Horizons and Challenges in Biotechnology and Bioinformatics ICAR-CPCRI.
Dr. M. Nagarajan	National Seminar on Marine Resources NSMR'16	2016	Department of Zoology, The M.D.T. Hindu College, Tirunelveli. Tamil Nadu
	National conference on Bio prospecting-Initiatives and Challenges	2016	Dept. of Biotechnology, Dr. N.G.P Arts and Science College, Coimbatore, Tamil Nadu
	Indian Bee Course	2016	Dept. of Animal Science, Central University of Kerala, Kasaragod, Kerala
	National Conference on Impact of climate on environment and biodiversity	March 2015	SPKCES, Manonmaniam Sundaranar University, Alwarkurichi, Tamil Nadu
Dr. Smita Sudheer	1st Annual Symposium on Cell and Gene Therapy	5-6 August 2016	Centre for Stem Cell Research, Vellore

Workshops. Training Sessions conducted by Faculty

Faculty Name	Title of the Conference/ Seminar/ Symposium/ Workshop	Date, Month and Year	Place	Role	Sponsor
Dr. Ranjith Kumavath	International Conference on "Biodiversity, Bioresources and Biotechnology "	January, 30-31, 2014	Mysore	Organized with the society of applied Biotechnology both national and international institutes/universities	Society of applied Biotechnology

Dr. M. Nagarajan	National Symposium on Human-Wildlife conflict /coexistence: what we want?"	15 October 2014	CUK, Padanakka d Campus	Swasraya Bharat 2014	Kerala science congress and Central University of Kerala
Dr. Tony Grace	Workshop : Preparing a Grant Proposal and Writing a Research Paper	October 2014	CUK, Padanakka d Campus	Swasraya Bharat 2014	Swadeshi Science Congress and Central University of Kerala
Dr. Tony Grace	6 th National Colloquium on Filariasis	8-10 Dec 2013	IAD, Kasaragod	6 th National Colloquim-IAD-CUK	IAD and Central Univ. of Kerala
Dr Tony Grace	Workshop : Application of genomic tools in Plant Science'	8-12 August 2016	Workshop : Application of genomic tools in Plant Science'	Central University of Kerala	Dr Anand Sarkar NIPGR NewDelhi Dr Mukesh Jain, JNU
Dr Tony Grace	Workshop Decoding the Noncoding	Feb-15-2016 to Feb-20-201	Workshop	Central University of Kerala	
Dr. Ranjith Kumavath, Dr. Tony Grace, Dr. M. Nagarajan	Gene, Genome and Genomics	April, 10-12, 2012	CUK, Padanakka d Campus	Organized	Central University of Kerala

[List of Seminar/ Conferences attended by the students](#)

Name of the student	Name of the Program	Date	Organized by
Dhanasekhar Reddy B	Conference on Bioinformatics	27-29 January 2015	SRM University, Chennai

Kamesh Pandian P	National Workshop on Concepts and Practices in Ecology of Plant-Animal Interactions.	20-27 May 2014	Department of Animal Science, Central University of Kerala, Kasaragod
	National Symposium on Human-Wildlife Conflict or Coexistence: What we want?	15 October 2014	Swadeshi Science Movement, Kerala and Central University of Kerala, Kasaragod
	Workshop on Research Methodology	17 October 2014	Nehru Arts and Science College, Kasaragod and Swadeshi Science Movement, Kerala
Subhash Thomas	National Workshop on Concepts and Practices in Ecology of Plant-Animal Interactions.	20-27 May 2014	Department of Animal Science, Central University of Kerala, Kasaragod
	New horizons and challenges in biotechnology and bioinformatics	9,10 October 2014	Swadeshi Science Movement, Kerala and ICAR-CPCRI, Kasaragod
	National Symposium on Human-Wildlife Conflict or Coexistence: What we want?	15 October 2014	Swadeshi Science Movement, Kerala and Central University of Kerala, Kasaragod
	Workshop on Research Methodology	17 October 2014	Nehru Arts and Science College, Kasaragod and Swadeshi Science Movement, Kerala
	International conference on Advanced IT, engineering and Management	7-8 October, 2015	IT Department of AIMIT, St Aloysius College (Autonomous), Mangalore
	27 th Kerala Science Congress	27-29 January, 2015	Government of Kerala, KSCSTE

Joby Pulikkan	Workshop on Protein Microarrays	10-11 December, 2014	Proteomics Society, India, IIT Bombay
	6 th Annual meeting "Proteomics from discovery to function" International Proteomics conference	7-9 December, 2014	Proteomics Society, IIT Bombay
	5 Days Hands-on workshop on Molecular Biotechnology and Bioinformatics	22-26 July, 2014	International Centre for Stem cells, Cancer and Biotechnology (ICSCCB), Pune, India
	National Seminar on Molecular Trends in Taxonomy & Biodiversity Conservation	3 rd March, 2014	Department of Plant Science, Central University of Kerala
	International conference on Bounds of Ethics in a Globalized world	6-9 January, 2014	Christ University, Karnataka.
	The 6 th National Colloquium on evidence based integrative medicine for Lymphatic Filariasis and other chronic dermatoses	8-10 December, 2013	Institute of Applied Dermatology, Kasaragod, Kerala.
	National Seminar on Biology to New Biology- The Paradigm Shift	10-12 April, 2012	School of Biological Sciences, Central University of Kerala, Kasaragod, Kerala.
	International Conference On Advances in Biological Sciences	15-17 March, 2012	Dept. Of Biotechnology and Microbiology, Kannur University, Kannur, Kerala.
	National Seminar On Biotechnological Approaches and Translational research for Human welfare: Current Trends in Animal Science Research	20 th March, 2012	Dept. of Animal Science, Central University of Kerala, Kasaragod, Kerala
	25 th Kerala Science Congress	29 th Jan-1 st Feb, 2012	Government of Kerala, KSCSTE

		13	
Deepthi M	National Workshop on Application of Genomic Tools in Plant Science	8-12 August, 2016	Department of Plant Science, Central University of Kerala
	National Symposium on Human-Wildlife Conflict or Coexistence: What we want?	15 October 2014	Swadeshi Science Movement, Kerala and Central University of Kerala, Kasaragod
	National Seminar on Cancer a Multidisciplinary Approach	19-20 September, 2014	Kannur University
	State level seminar on Technological Advances in Modern Biology	13-14 March, 2014	Sree Narayana College, Kannur University
	National Seminar on Molecular Trends in Taxonomy and Biodiversity Conservation	3 rd March, 2014	Department of Plant Science, Central University of Kerala
	National Workshop on Application of Genomic Tools in Plant Science	8-12 August, 2016	Department of Plant Science, Central University of Kerala
	Training Programme on Next Generation Sequencing (NGS) – Bioinformatics and Data Analysis	3-6 August, 2016	AU- KBC Research Centre, Chennai
	Workshop on Protein Microarrays	10 -11 December, 2014	Annual Meeting of the Proteomics Society, IIT Bombay
	6 th Annual meeting "Proteomics from discovery to function" International Proteomics Conference	7-9 December, 2014	Annual Meeting of the Proteomics Society, IIT Bombay
	National Symposium on Human Wildlife Conflict or Coexistence:	15 October	Swadeshi Science Movement, Kerala and

Shamjana U	What we want?	2014	Central University of Kerala, Kasaragod
	Workshop for Science Teachers	18 October 2014	Swadeshi Science Movement, Kerala
	National Seminar on Cancer a Multidisciplinary Approach	19- 20 September, 2014	Kannur University
	State level seminar on Technological Advances in Modern Biology	13-14 March, 2014	Sree Narayana College, Kannur University
	International Conference on “Global Vision – 2020	3- 4May, 2013	St. Ignatius College of Education
	International Green Campus Summit – 2013	4 -5 April 2013	Pondicherry University
	Recent trends in Structural Bioinformatics and Computer Aided Drug Design	19-22 February 2013	Alagappa University
	Workshop on “Research Methodology	10-12 December 2012	National Institute of Mental Health and Neuroscience
	National Workshop on Application of Genomic Tools in Plant Science	8-12 August, 2016	Department of Plant Science, Central University of Kerala
	Training Programme on Next Generation Sequencing (NGS) – Bioinformatics and Data Analysis	3-6 August, 2016	AU- KBC Research Centre, Chennai
	Advanced IT and Management (SACAIM 2015)	7- 8 October 2015	St. Aloysius College, Mangalore
	27 th Kerala Science Congress	27-29 January, 2015	KSCSTE jointly with NATPAC, Alappuzha

Shalini K	Workshop on Protein Microarrays	10 -11 December, 2014	Annual Meeting of the Proteomics Society, IIT Bombay
	6 th Annual meeting "Proteomics from discovery to function" International Proteomics conference	7-9 December, 2014	Proteomics Society, IIT Bombay
	National Seminar on Molecular Trends in Taxonomy and Biodiversity Conservation	3 rd March, 2014	Department of Plant Science, Central University of Kerala
Amritha A	Advanced IT and Management (SACAIM 2015)	7- 8 October, 2015	St. Aloysius College, Mangalore
	27 th Kerala Science Congress	27- 29 January, 2015	KSCSTE jointly with NATPAC, Alappuzha
	Workshop on Protein Microarrays	10-11 December, 2014	6th Annual meeting of the Proteomics Society, India, IIT Bombay
	6 th Annual meeting "Proteomics from discovery to function" International Proteomics conference	7- 9 December, 2014	Proteomics Society, IIT Bombay
	DBT Sponsored Training Programme on Next Generation Sequencing: Data analysis & Annotation	17– 20 March, 2014	Bioinformatics Centre, Indian Institute of Spices Research Kozhikode
	25 th Kerala Science Congress	29– 3 January, 2013	Kerala State Council for Science, Technology and Environment (KSCSTE), held at Technopark, Trivandrum
	22 nd Swadeshi Science Congress	6– 8 November, 2012	CPCRI Kasaragod Kerala
	Bioinformatica Indica 2012	12-14 January, 2012	SIUCEB, University of Kerala, Thiruvananthapuram
	National Workshop on Application of Genomic Tools in	8-12 August,	Department of Plant Science, Central

Deepa A V	Plant Science	2016	University of Kerala
	Training Programme on Next Generation Sequencing (NGS) – Bioinformatics and Data Analysis	3-6 August, 2016	AU- KBC Research Centre, Chennai
	Advanced IT and Management (SACAIM 2015)	7- 8 October 2015	St. Aloysius College, Mangalore
	Workshop on Protein Microarrays.	10 -11 December, 2014	Annual Meeting of the Proteomics Society, IIT Bombay
	6 th Annual meeting "Proteomics from discovery to function" International Proteomics conference	7-9 December, 2014	Proteomics Society, IIT Bombay
	National Seminar on Molecular Trends in Taxonomy and Biodiversity Conservation	3 rd March, 2014	Department of Plant Science, Central University of Kerala

Other Academic Activities

Dr Padmesh P Pillai

1. Major advisor of the Advisory committee of the M.Sc (Integrated) Biotechnology Course- Kerala Agricultural University (2014)
2. Ph.D. thesis evaluation of Guwahati University, Guwahati (2012), University of Agricultural Sciences, Bangalore (2014)
3. Examiner to conduct M.Sc Biotechnology practical examination of University of Kerala (2013, 2014)
4. M.Sc thesis evaluation of University of Agricultural Sciences, Bangalore (2013)
5. Member, Advisory committee of Ph.D programme - Kerala Agricultural University (2016)

Dr.Ranjith Kumavath

1. External Examiner of MSc Thesis and viva of 16 students of MSc-Microbiology, at Pondicherry University. Pondicherry since May, 2015)
2. External Examiner of Ph.D Thesis and *viva-voce* of Department of Botany, S.V.University, Tirupati and Dept. of Microbiology, at Bharathidasan University, Tiruchirappalli, since, 2014)

Dr.Tony Grace

1. External Examiner of MSc Thesis and viva of 12 students of MSc Biotechnology at Kannur University. Kannur (August 2015)

2. External Examiner of MSc Thesis and viva of 10 students of MSc Biotechnology at Kannur University. Kannur (August 2014)
3. External Examiner of MSc Thesis and viva of 11 students of MSc Biotechnology at Kannur University. Kannur (August 2013)

Dr. M. Nagarajan

1. External Examiner for Ph.D Thesis, Dept. of Microbiology, at Bharathidasan University, Tiruchirappalli, Tamil Nadu (2012).
2. External Examiner for Ph.D Thesis, Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Nagercoil, Tamil Nadu (2013).
3. Chairman and External Examiner for Ph.D Thesis, Dept of Zoology, Mahatma Gandhi University, Kottayam, Kerala (2014).
4. External Examiner for Ph.D Thesis, Dept of Biotechnology and Bioinformatics, Kuvempu University, Karnataka, (2015).
5. External Examiner for Ph.D Thesis, SPKCES, Manonmaniam Sundaranar University, Alwarkurichi, Tamil Nadu (2013).

Other extension Activities

Dr Tony Grace and Joby Pulickan, PhD Student works with Autistic children as part of the research work of Joby, raising awareness of nutritional deficiencies and importance of prebiotics in managing Autistic spectrum disorders. Works with several special needs schools for Autistic children.

48. Give details of “beyond syllabus scholarly activities” of the department.

- A) Department students and Faculties have participated in more than 30 national and international conferences to present their work.
- B) The faculty served as micro-observer in general elections, CBSE, and UGC exams

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NO

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- a. Recently we have unravelled the domestication history of river buffalo. It was believed that the river buffalo was domesticated from *Bubalus arnee*, the wild buffalo of mainland Asia, a few thousand years ago. However, the domestication history of the river buffalo was the subject of debate for many decades due to various reasons. We conducted a study on mitochondrial DNA control region sequences of 414 river buffalo sampled from India, Pakistan, Egypt which concluded that the river buffalo was domesticated in Indian subcontinent prior to mature phase of Indus Valley civilization (2600–1900 BC).
- b. MSc Courses offered by Department Faculty have the highest student enrolment

compared to any other department at CUK. Students from other departments and schools enrol for these courses. Evolutionary Biology (GEN503) offered by the Department has 140 students enrolled from 2 schools and 5 departments including from 9 academic batches. Bioinformatics (GEN 501) offered by department annually has an average enrolment of 70-100 students.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. One of the pioneers in the country to establish Genomic Science department
2. Young and Dynamic Faculty all with PhD and international exposure
3. Promoting this new science in this underdeveloped areas of the state. So we provide opportunities to students from this area which has led to the upliftment of the educational scenario of the region.
4. Established research facilities to conduct molecular biology research
5. Established bioinformatics laboratory and supporting other disciplines

Weakness

1. As we are in transition stage, establishing and running laboratories are challenging
2. Lack of Space
3. Resource scarcity

Opportunities

1. Able to develop interdisciplinary research centre
2. Sharing genomic knowledge with other department faculties and encourage genomic research in various topics
3. Creating model of curriculum to establish in other universities
4. Possible to develop centre of excellence in genomics
5. More students turn out

Challenges

1. Slow growth with respect to research in world research platform
2. Acceptance of Degree in regional level entry
3. Finding good talents
4. Need of special and/or additional support with respect to resource and man-power

52. Future plans of the department.

1. Establishing Centre of Excellence in Genomics by integrating all expertise of faculties which directly influence the quality of education and training.
2. Aiming to start PG diploma course of Agricultural Biotechnology with external funding.
3. New research findings will be possible as the faculties are submitted new research proposal for extramural funding.
4. International collaboration will be strengthening and seek the possibility to enter Memorandum of understanding.

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF PLANT SCIENCE
(SCHOOL OF BIOLOGICAL SCIENCE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Plant Science**
2. Year of establishment: 2011
3. Is the Department part of a School/Faculty of the university?
Yes. The Department is a part of the School of Biological Sciences
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):
M.Sc. (PG) Plant Science & Ph.D. Plant Science
5. Interdisciplinary programmes and departments involved: None
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: None
7. Details of programmes discontinued, if any, with reasons: None
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:
Semester - Choice Based Credit System
9. Participation of the department in the courses offered by other departments
Plant Science students take elective courses offered by other Departments. These electives are BGS 5010 (Bioinformatics, by Department of Genomics) and ANS507 (Ecology of Plant-Animal interaction, by Animal science).
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1 (On contract, April 2012 to December 2013). 1 Filled	0 1
Associate Professors	2	1 (On deputation, August 2014 to January, 2016). 1 Filled	1 (On deputation, August 2014 to January, 2016) 1
Assistant Professors	4	3 (1* out of 3 only till March 2015) 3 +1*	3+1**
Others			
Academic Coordinator		1 (One Professor, December 2011 to April 2012)	0
Guest faculty		7 (For various durations, minimum of one semester each, from August 2011 onwards)	0

DST INSPIRE Faculty		1 (April 2012 to September 2013)	0
---------------------	--	----------------------------------	---

* One Assistant Professor passed away in March 2015.

** Out of 4, three are already filled; one has to join (Selection already made)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Prof. (Dr.) Dennis Thomas T	M.Sc., Ph.D.	Professor	Plant Tissue Culture and Reproductive biology	16 Years	3 Ph.D. awarded 2 submitted 5 ongoing
Prof. (Dr.). G. Mohandas Nair	M.Sc., Ph.D.	Professor	Cell-Biology, Biotechnology, Biodiversity Conservation	35	7 (Ph.D.)
Dr. A. Thulaseedharan	M.Sc., Ph.D.	Associate Professor	Plant Molecular Biology; Plant Physiology; Plant Tissue culture; Plant Genetic Transformation	30 (research/teaching)	4 (Ph.D.)
Dr.K. Arunkumar	M.Sc., M.Phil., Ph.D.	Associate Professor	Phycology	17 (Teaching & Research)	5 (Completed) 3 (ongoing)
Dr. Jasmine M. Shah	M.Sc., Ph.D.	Assistant Professor	Plant Biotechnology, Plant Molecular Biology, Plant Functional genomics and Plant-Microbe Interaction	4 years and 5 months (ie. 21 months as Asst. Prof. and 20 months as DST INSPIRE Faculty)	8 (Ph.D. ongoing)
Dr. Ginny Antony	M.Sc., Ph.D.	Assistant Professor	Molecular Plant – Microbe Interactions, Genetic Engineering plants for disease resistance, Plant Genetics and Genomics	3 years as Post Doctoral Fellow 3years as assistant professor	6 (Ph.D. ongoing)
Dr. Viji R.I.	M.Sc., Ph.D.	Assistant Professor	Protein engineering, non-coding RNAs in plants, profiling of medicinal plants	1 years and 5 months	-
Ajay Kumar	M.Sc., Ph.D. (Pursuing)	Assistant Professor	Plant Developmental biology, Ecology, biodiversity and conservation biology.	7 Months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

None

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc.	Nil
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc.	8:1
Ph.D.	4.4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	2	2	2
Administrative staff	1	1*	0

* Outsourced office assistant from July 2014 to February 2015

16. Research thrust areas as recognized by major funding agencies: Plant Tissue culture, Algal biochemistry and biotechnology, Plant-microbe interaction, transcriptome analysis of plant pathogens, stress-induced mutation in plants, Plant developmental biology, Fruit biology, Ecology, biodiversity and conservation biology.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0
	National	12
Total grants received (in Rs.)		20168000

Faculty (PI)	Project Title	Funding Agency	Grant received
Prof. (Dr.) Dennis Thomas T	“ <i>In vitro</i> conservation and reproductive biology of <i>Pittosporum tetraspermum</i> an endangered medicinal plant”	UGC	4.43 Lakh
	Survey for elite coconut mother palms in Kottayam district, Kerala	CDB	1.25 lakhs
	Hairy root culture of <i>Gymnema sylvestre</i> and <i>Tylophora indica</i> for enhanced production of pharmaceutical compounds	KSCSTE	18.91 lakhs

Dr.K. Arunkumar	Enumeration and Bioprospects of Bacteria associated with some economically important seaweeds including <i>Kappaphycus alvarezii</i> occurring along the coasts of India	UGC (2009-2012)	7.46 lakhs
	Organic Farming Techniques	UGC-COC (2010-2015)	7.00 lakhs
	A technology for the production of ethanol from spent biomass of seaweeds and identification of suitable by products	DST (2011-2014)	44.33 lakhs
	Diversity of calcareous algae along the coast of Tamil Nadu in the global warming scenario.	TNSCST (2013-2015)	2.5 lakhs
Dr. Jasmine M. Shah	<i>In planta</i> analysis of somatic mutation rates upon bacterial infection and identifying factors involved in alteration and/or protection of host genome.	SERB-DST	Rs. 17,32,000/-
	Mechanism deployed by plant host to maintain its genomic integrity, in response to bacterial stress	DST INSPIRE	Rs. 49,40,000 (35,00,000 Research grant + Rs. 80,000/- per month fellowship, April 2012 to Sep 2013)
Dr. Viji R.I.	Directed evolution of soluble VEGF receptor: an anti-angiogenic approach	SERB-DST	Rs. 18,40,000/-
Dr. Ginny Antony	Targeting TAL Effector mediated susceptibility for durable and broad spectrum BLB resistance in Rice	SERB-DST	24.68 Lakhs
	Comparative transcriptome analysis of Xap in hrp inducing medium	UGC- Start-up	6.0 lakhs
Total Grant			2,01,68000

18. Inter-institutional collaborative projects and associated grants received:
None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication		Number
Number of Papers Published in Peer Reviewed Journals (National /International)		101
Chapters in Books		3
Edited Books		1
Books	ISBN	Publisher
Monograph	ISBN 978-3-8484-3300-1	Lambert Academic Publishing AG & Co. KG Heinrich-Böcking-Straße 6-8, 66121 Saarbrücken, Germany.
Total Number of Books		2
Number listed in International Database		1
Citation Index (Range)		1-1078
Impact Factor (Range)		0-41.5
h-index (Range)		3-18

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Guided M.Sc. Project Dissertations for students of other Universities/Institutes	Rs.50,000/-

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Prof. (Dr.) Dennis Thomas T	Poland	INSA visiting Scientist award 2013 to carry out research in Department of Pharmaceutical Biology, Medical University of Wroclaw, Poland for three months.
	Japan	Hokkaido University, Japan- fellowship to carry out advanced research in Field Science Centre for Northern Biosphere, Hokkaido University, Japan for three months from April to June, 2014.
Dr. A. Thulaseedharan	Indonesia	International Rubber Research and Development Board (IRRDB)
		Central Plantation Crops Research Institute, Kasaragod
		KKTM Government College, Pullut, Thrissur (Dt), Kerala
		Centre for Plant Biotechnology and Molecular Biology, Kerala Agricultural University, Thrissur
		Periyar University, Salem-636 011,

	India	Sree Narayana Arts & Science College, Kumarakom, Kottayam
		Bishop Kurialacherry College for Women, Amalagiri, Kottayam,
		Institute of Forest Genetics and Tree Breeding, Coimbatore
	India	SN College, Chengannur, Kerala
Dr. Jasmine M. Shah	India	Inter University Centre for Genomics and Gene Technology Department of Biotechnology, University of Kerala
		College of Agriculture, Padannakkad
		Amritha Vidhyalayam, Kanhangad
		Department of Botany, University of Kerala
		Govt. H.S.S. Kannur
		UGC-Human Resource Development Centre of Calicut University
		S.N.G.S. College Pattambi
Dr. Ginny Antony	India	Central Plantation Crops Research Institute (CPCRI), Regional Station, Kayamkulam
		ICAR-NRC on pomegranate, Solapur, Maharashtra
		ICAR-IIRR, Hyderabad
	USA	Center for applied plant science, Ohio state University, USA
Dr. Viji R.I	India	Inter University Centre for Genomics and Gene Technology Department of Biotechnology, University of Kerala

26. Faculty serving in

Faculty Serving in	Number
	4
National committees	<p>Prof. (Dr.). G. Mohandas Nair:</p> <ul style="list-style-type: none"> • DST-SERB committee • NACC Accreditation committee member • Member of governing body and Executive Committee of Malabar botanic garden and Research Institute, Calicut
	<p>Dr. A. Thulaseedharan</p> <ul style="list-style-type: none"> • Expert Member- Department of Biotechnology, Govt. of India, Sub-Committee for formulation of biosafety guidelines to conduct and monitor Confined Research Trials on Genetically Engineered Trees • Expert Member – Institute Biosafety Committee of SCMS Institute, Cochin, Nominated by Review Committee for Genetic Modification, DBT, Govt. of India.
	<p>Prof. Dennis Thomas T.</p> <p>Chairman (Board of Studies), UG Biotechnology, M.G. University, Kottayam</p> <p>Question paper setter, University of Kerala</p>

	<p>Question paper setter, Various autonomous colleges</p> <p>Dr.K.Arunkumar</p> <ul style="list-style-type: none"> • Chairman, Board of study, M.Sc Botany, Alagappa University 2014-17 • Member, Board of study, B.Sc Botany, Alagappa University 2014-17 • Member, Board of study, M.Sc Botany, Alagappa University 2011-14 • Member, Academic Advisor Board, Kendriya Vidyala No.2, Kasaragod, Kerala <p>Dr. Jasmine M. Shah</p> <ul style="list-style-type: none"> • Board of Studies Member, Dept. of Plant Science, Central University of Kerala. <p>Dr. Ginny Antony</p> <ul style="list-style-type: none"> • External Expert (DBT nominee) - Institutional Bio-safety Committee, Central Plantation Crop Research Institute, Kerala, India. • Member- Institutional Bio-safety Committee, Central University of Kerala, India. • Member - Committee to promote Industrial linkage, Central University of Kerala, India. • Member- Internal Audit committee for scientific instruments, Central University of Kerala, India.
International committees	Nil
	3
Editorial Boards	<p>Dr. A. Thulaseedharan</p> <ul style="list-style-type: none"> • Editorial Board Member of the Journal: <i>Plant Biotechnology and Molecular Biology</i> • Editorial Board Member of the Journal: <i>Rubber Science</i> • Editorial Board Member of the Journal: <i>South Asian Journal of Socio-Political Studies</i> <p>Dr. Jasmine M Shah</p> <ul style="list-style-type: none"> • Editorial Board member of 'Abrahamea-An international journal on research in plant sciences'. <p>Dr. Viji R.I</p> <ul style="list-style-type: none"> • Editorial Board of 'International Journal of Hematology Research'
Reviewer	<p>Dr. Jasmine M Shah</p> <ul style="list-style-type: none"> • Reviewer for the "International Journal of Agriculture Sciences" • Reviewer for the research projects submitted to Kerala State Council for Science, Technology and Environment (KSCSTE) <p>Dr. Ginny Antony</p> <ul style="list-style-type: none"> • Reviewer for Journal 'Molecular Plant Pathology' Published by Wiley. Impact factor: 4.3
Experts for question paper	Dr. Jasmine M Shah

setting	<ul style="list-style-type: none"> • For the University of Kerala • For Mar-Ivanious College - Thiruvananthapuram
Any other (please specify)	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Ginny Antony	International training programme on Leadership and career development for Women Scientists and Technologists (8 th to 12 th , September, 2014) at National Institute for Advanced Studies, IISc Campus Bangalore, sponsored by DST and IUSSTF
	Summer workshop on Plant Functional Genomics at Center for Applied Plant Science, Ohio state University, Columbus, Ohio, USA from June 6-17, 2016.
	Refresher course at UGC-HRDC, Kannur University from Nov.11 -Dec.1, 2015
Dr. Jasmine M. Shah	Orientation Program (from 19.08.2015 to 15.09.2015) at UGC- ACADEMIC STAFF COLLEGE, Bharathiar University, Coimbatore.

28. Student projects

Name of the Faculty	% of Students
Percentage of students who have done in-house projects including inter-departmental projects	100
Percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	17
Awardee	Award
Dr. A. Thulaseedharan	<ul style="list-style-type: none"> • Two best poster awards at the International conference on Biotechnology: A global scenario (2-4 Nov 2010), Kakatya University, Andhra Pradesh. • Two best poster awards at the National Seminar on “Genomics and Genetic Engineering Strategies for Crop Improvement”, (Feb 27-28, 2012), Periyar University. • Second best poster award at the International Conference on Advances in Biological Sciences, (15-17 March 2012) Kannur University, Kannur. • Award for the best original research paper at the International symposium on plantation crops, (10-12 Dec 2014) Indian Institute of Spices Research, Kozhikode.
Dr. Jasmine M Shah	<ul style="list-style-type: none"> • INSPIRE (Innovation in Science Pursuit for Inspired Research) FACULTY FELLOWSHIP from DST (2012). • SERB YOUNG SCIENTIST FELLOWSHIP under DST fast track scheme (2012)

	<ul style="list-style-type: none"> • IIT-Madras (Indian Institute of Technology-Madras) Post-Doctoral Fellowship (July 2010 onwards). • DBT (Department of Biotechnology, Govt. of India) Research Associateship (January 2010 – June 2010). • Best paper presentation award at ‘International symposium on Genomics of crops, medicinal plants and microbes’, Department of Botany and Department of Biotechnology, University of Kerala, India (May 2011).
Dr. Ginny Antony	<ul style="list-style-type: none"> • SERB Young Scientist Grant Award 2014. • UGC-BSR Grant Award 2014. • Kansas State University, USA Post-doctoral Fellowship (2010-2013).
Dr. Viji R.I	<ul style="list-style-type: none"> • Weizmann Institute of Science Post-Doctoral Fellowship (2008-2010) • SERB YOUNG SCIENTIST FELLOWSHIP under DST fast track scheme (2013).
Doctoral /Post-Doctoral fellows	1
Awardee	Award
Dr. Sudeep N.M	SERB YOUNG SCIENTIST FELLOWSHIP under DST fast track scheme (2013).
Students	21
Awardee	Award
Kavya V.S.	Indian Academy of Science - Summer Project Fellowship (2016)
Aswathi N.V	CSIR-JRF, 2016; NET, 2015
Ashwathi K	GATE, 2016
Namitha M.S.	GATE, 2016
Sreeraj E.	CSIR-JRF, 2015
Silpa P	UGC-JRF, 2016; KSCSTE-JRF, 2016
Roopa K	CSIR-NET, 2016; KSCSTE-JRF, 2016
Anju M	CSIR-NET, 2016; KSCSTE-JRF, 2016
Najya Jabeen P.	NET, 2014; GATE, 2015
Harsha K.	CSIR-JRF, 2016; KSCSTE-JRF, 2016; GATE, 2015; ICAR-NET-2016
Harshitha K.	CSIR-JRF, 2016; GATE, 2015
Deepa A. V.	CSIR-JRF, 2016; NET, 2015; KSCSTE-JRF, 2016 DST- INSPIRE JRF-2016;GATE, 2015
Sneha Rajeev	GATE, 2015
Naveena Girish	GATE, 2015
Leena K.P.	GATE, 2016
Suchithra P.	GATE, 2016
Maimoonath Beevi Y. P.	CSIR-JRF, 2014; GATE, 2014
Vidya V	CSIR-JRF, 2014
Gouri Priya Ranjith	GATE, 2014; NET, 2015; KSCSTE-JRF, 2015
Shananas A	NET, 2015; KSCSTE-JRF, 2015
Shruthi S	KSCSTE-JRF, 2015; CSIR-JRF, 2014
Shruthi N.	SET 2015
Bukkya Abhinayak	GATE, 2014

Ajith T.G	GATE, 2014
Bhagyashree Raveendran	NET, 2015; DET, 2015
Yashwanthi K.	Indian Academy of Science - Summer Project Fellowship (2013)
Joyous T. Joseph	KSCSTE-JRF, 2014; NET, 2014; DST- INSPIRE JRF-2015
Amritha P. P	GATE, 2014; KSCSTE-JRF, 2014
Hamza Areekan	KSCSTE-JRF, 2014; SET, 2013
Bhanupriya S.	UGC-JRF, 2015; NET, 2014; GATE, 2014
Swathi Bharathan K	SET, 2014
Mridula K	SET, 2015
Ramya Pattuvakarathi	SET, 2014
Gopal N	Indian Academy of Science - Summer Project Fellowship (2012)
V. Nanakram	GATE, 2014
Dinesh Kumar K	Swiss Government Scholarship for Excellence, 2015
Nivya VM	DST- INSPIRE JRF-FELLOWSHIP, 2015

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Funding	Outstanding Participants
Biology to New Biology - The Paradigm Shift	April 2012	Central University of Kerala	Prof. M. Vijyan, (FNASc, FASc), INSA Albert Einstein Research Professor and, Prof. K.P. Gopinathan (FNASc, FASc), IISc, Bangalore
Science Communication through folk media	Oct 23-27, 2013	Swadeshi Science Movement	Mr. Shajikumar K. (Writer, and Kerala Sahitya Academy award winner)
Molecular trends in taxonomy and biodiversity conservation	March 3 2014	Central University of Kerala	Dr. A.G. Pandurangan (Scientist, JNTBGRI), Dr. N Sasidharan (Scientist, KFRI), Prof. (Dr.) M.K. Janarthanam, Head, Department of Botany (Goa University).
National workshop on 'Application of genomic tools in plant science'	Aug. 8-12, 2016	Central University of Kerala	Dr. Mukesh Jain, Associate Professor, JNU; Dr. Aashish Ranjan, Scientist, NIPGR; Dr. Ananda Sarkar, NIPGR; Dr. M.K. Rajesh, CPCRI
National seminar on Green Bioenergy: Opportunities, Threats, Knowledge gaps and Socio-economic impacts	27-12-2012 & 28-12-2012.	DRDO & UGC	Dr.Prof. R.Rengasamy, Director, Centre for advanced studies in Botany, University of Madras
State level seminal	26-7-	Alagappa	Dr.R.Raja

on biomass and bioenergy: A future perspectives	2014.	Govt. Arts College	Research Scientist IBB/CGB, Food Science Laboratory University of Algarve, Campus de Gambelas, Ed. 8 8005-139 Faro, Portugal
---	-------	--------------------	--

31. Code of ethics for research followed by the departments

The academic profession is vested by the public with a trust and responsibility requiring the highest ideals of professional service. In fulfilment of the obligation to the profession, the Department encourages the promotion of high quality education and ethics including:

PRINCIPLE I: Commitment to the Student

- Demonstrate respect for diversity, maintain fairness and promote equality irrespective of gender, race, religion, sexual orientation, appearance, age, language or different needs or abilities.
- The Department is committed to the development of students in academic, professional and applied competence and thereby help them achieve their educational objectives.
- The Department insist that student follow safe laboratory practices and students are made aware of potential health hazards while doing experiments and adequate protective safeguards are provided.
- The Department is committed to act fairly, consistently and prudently in the exercise of authority in student related matters.
- The Department is committed to improve the student experience and their performances based on their feedback collected.
- Encourage the students to think and ask questions and the teachers must help the students to clear their doubts.
- Discuss the recent research developments with the students.
- Make the students aware of various job/research opportunities.

PRINCIPLE II: Commitment to the Profession

- Shall not in an application for a professional position deliberately make a false statement or fail to disclose a material fact related to competency and qualifications.
- Work in a cooperative manner with colleagues and other professionals.

PRINCIPLE III: Commitment to the Research

- The Department encourages all students and faculty to undertake research and support them to achieve highest standard of excellence within its infrastructural limits.
- Research done in the Department should be genuine and transparent.
- The research work, publications and thesis from the Department should be original and plagiarism is not permitted.
- Students are given orientation on ethical and scientific conduct of research and research communication before they start their research project.
- The Department is committed to take disciplinary action if it is made aware of or observed a violation of ethical conduct in research.
- Research on transgenic, humans and animals has to be done only upon approval by the respective ethical committee.

PRINCIPLE IV: Commitment to the Environment

- The Department is committed to increase awareness among its students and staff on the environmental foot prints and ways to reduce them.
- The Department is committed to the development and transfer of knowledge on sustainability and promote lifelong learning on best practices that minimise our environmental foot print.
- Being a Plant Science Department, we are committed to providing leadership on protecting our biodiversity and natural resources
- Disposal of waste should to be done in an eco-friendly manner.
- Recombinant organisms or cells should be disposed only after killing.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	695	13	61	100%	100%
Ph.D.	25	2	9	Ongoing	Ongoing

* For the years 2014 and 2015

33. Diversity of students. Percentage of student from

Programme	Same University	Universities Within the State	Universities Outside the State	From other countries
M. Sc.	NA	94.6%	5.4%	0
Ph.D.	77	7.7	15.3	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
CSIR-JRF-NET	8
UGC-JRF-NET	2
NET (National Eligibility test, CSIR-UGC)	9
SET (State Eligibility test)	5
GATE (Graduate Aptitude Test in Engineering)	15
Kerala State Council for Science, Technology and Environment (KSCSTE) JRF Fellowship	10
ICAR-NET (Indian Council of Agricultural Research)	1
DST INSPIRE Ph.D. Fellowship	2
Central University of Kerala DET (Departmental Entrance Test) (2015)	1
Others	0

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil.	NA
PG to Ph.D.	25%

PG to B.Ed.		40%
Ph.D. to Post-Doctoral		Not Applicable
Employed	Campus selection	1
	Other than campus recruitment	25%
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	25% (Till March 2015)
universities from other States	50%
universities outside the country	25%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	The common library at Science campus (Padannakkad) has most of the text books required for the M.Sc. and Ph.D. students. The online library website has the list of journals that can be accessed by the students and these facilities are being judiciously utilised by the students.
Internet facilities for staff and students	All the class rooms, labs and staff rooms have internet facility (both Lan and wifi).
Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	2
Research Laboratories	3

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of Doctoral/PDF/RA
From the host institution/university	9
Name of Doctoral/PDF students or RA	Advisor
Doctoral students	
Amritha P. P	Dr. Jasmine M. Shah
Hamza Areekkkan	
Joyous T. Joseph	
Bhagyashree Raveendran	

Ajith T.G	
Yamuna K.T.	
Shananas A	Dr. Ginny Antony
Bhanupriya S	
Shruthi S	
Shabana A.A	
Silpa P	Prof. Dennis Thomas T.
Anju M	
Deepa AV	
Roopa K	
Ms.Umashree. V.R	Dr.K.Arunkumar
Mrs. Vidya. D	
Mrs. Anjana.K	
From other institutions/ universities	4
Name of Doctoral/PDF students or RA	Advisor
Doctoral students	
Nivya VM	Dr. Jasmine M. Shah
Sijila J	
Dinesh Kumar K	Dr. Ginny Antony
Lineesha K. A	
PDFs	
Dr. Sudeep N.M. (SERB Fast Track Young Scientist)	NA

40. Number of postgraduate students getting financial assistance from the university.

M.Sc. Students: 55/74 (Central University of Kerala Merit Scholarship); 12/74 (Suvarna Jubilee Merit Scholarship); 11/74 (C.H. Muhammad Koya Scholarship); 2/74 (Single Girl Child Scholarship); 1/74 (Scholarship under beedi/ore, mines/limestone and dolomite mines/mica, mines/cine workers welfare fund).

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes; The Kasaragod district, in which the Department is located, did not have a PG course for Plant Science/ Botany in any of the colleges or University Departments till the inception of this Department. The Department was formed after an elaborate exercise of the University. A program committee was formed with experts in subject and the Executive Council examined and approved the decision.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes; Faculty council meetings are regularly held and discussions are made on curriculum as well as teaching-learning-evaluation.

Accordingly, the improvement is done.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes; Students are requested to fill the feed-back forms on staff, curriculum and teaching-learning-evaluation. The students are also requested to precisely write their complaints and suggestion in separate sheets of papers (without revealing their identity). The students are personally asked if they have any inconvenience or complaints. All such inputs obtained from the students are discussed in the faculty council meetings and appropriate decisions are made to improve.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes; The alumni are in constant contact with the faculty through social networks and they do give suggestions to improve curriculum and teaching-learning-evaluation, based on their experience. These suggestions are carefully discussed among the faculty and improvement is done accordingly.

43. List the distinguished alumni of the department (maximum 10)

The Department is quite young and its students are still in the process of establishment. The Department looks forward to the exponential growth of its alumni.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Workshops:

- Workshop on Science Communication through Folk Media on October 23-27, 2013.
- Workshop on Robotics and Intelligent Machines on October 18, 2014.
- Insight in science: A workshop for school students to familiarize them the frontiers in science & technology on 13-16 May, 2014.
- National workshop on 'Application of genomic tools in plant science' Aug. 8-12, 2016 at Department of Plant Science, Central University of Kerala (2.88 lakhs financial support from CUK).

National Seminar:

- Biology to New Biology - The Paradigm Shift on April 2012.
- Molecular trends in taxonomy and biodiversity conservation on 3rd March 2014.

- The 6th National Colloquium on evidence based integrative medicine for lymphatic filariasis and other chronic dermatoses, 8-10 Dec, 2013 at Institute of Applied Dermatology.

Invited talks:

- Application of Scientific Fundamentals to Innovation Socially Relevant for Inclusive Growth on 25th November 2013 by Mr. Lalit Maiseri, Tech Know Consultants.
- Viral Proteins: Evaders and Re-programmer of plant defence on 24th February 2014 by Dr. Shelley Praveen, Principal Scientist, Advanced Centre for Plant Virology, IARI, New Delhi
- Abiotic and biotic challenges on plant growth in changing climate: a case study in Rice
- 24th February 2014 by Dr. Satendra K Mangrauthia, Scientist, Directorate of Rice Research (DRR), Hyderabad
- Invited talk by Dr. Prakash Venglat, Plant Biotechnology Institute, National Research Council of Canada

Interaction program:

- SCIENTIST-STUDENTS INTERACTION on 15th October 2014, an interaction program with eminent scientists including Dr. G. Madhavan Nair (Former ISRO chairman)

45. List the teaching methods adopted by the faculty for different programmes.

M.Sc.

- Teaching involving the usage of power-point that includes pictorial representations and videos.
- Students are requested to write assignments on various topics and these topics are discussed in the class.
- Students are requested to make power-point presentations on various topics.
- Students are requested to read various research articles and present them.
- Quiz and internal tests are regularly conducted.
- The students are in constant association with the faculty through various social media. Useful websites and information (like up-coming conferences, seminars, Ph.D. positions, job vacancies etc.) are thus easily shared.
- The students of each batch have a common group email id (for eg. cukpls2013@gmail.com and cukpls2014@gmail.com are for M.Sc. Plant Science students admitted in 2013 and 2014, respectively). The faculty can thus easily share information like e-books, important PPTs, up-coming conferences, seminars, Ph.D. positions, job vacancies etc. The students submit their online assignments, experimental results etc.
- In order to make the students realise the intensity of questioning, the students are requested to prepare their own questions and submit them. Internal tests are conducted by selecting the toughest and trickiest questions.
- In order to encourage students in audience to ask questions during presentations, a unique internal marking system has been designed such that the students who ask more questions get more points.
- After every examination, questions are discussed among students so that they understand their weakness and strength of writing examinations.
- The practical sessions are conducted such that all the students get chance to

do experiments independently.

- The dissertation involves advanced experiments and the students learn to work with many modern types of equipment.

Ph.D.

PowerPoint Lectures, Student presentations, Paper discussions, Assignments, Examinations.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- The Department conducts several tests and quizzes to check if the students have understood the syllabus.
- The portions that are difficult to understand are repeated so that the students understand them better.
- The students are encouraged to write various competitive examinations like CSIR-UGC-NET, GATE etc. and the students do clear such exams.

No.	Name	M.Sc.	Awards	Current Status
1.	Kavya V.S.	2015-17	Indian Academy of Science - Summer Project Fellowship (2016)	M.Sc. Ongoing
2.	Aswathi N.V	2014-16	CSIR-JRF, 2016; NET, 2015	-
3.	Ashwathi K		GATE, 2016	-
4.	Namitha M.S.		GATE, 2016	-
5.	Sreeraj E.	2013-15	CSIR-JRF, 2015	Ph.D. at IISER-TVM
6.	Silpa P		UGC-JRF, 2016; KSCSTE-JRF, 2016	Ph.D. at CUK
7.	Roopa K		CSIR-NET, 2016; KSCSTE-JRF, 2016	Ph.D. at CUK
8.	Anju M		CSIR-NET, 2016; KSCSTE-JRF, 2016	Ph.D. at CUK
9.	Najya Jabeen P.		NET, 2014; GATE, 2015	-
10.	Harsha K.		CSIR-JRF, 2016; KSCSTE-JRF, 2016; GATE, 2015; ICAR-NET-2016	Research fellow at CPCRI
11.	Harshitha K.		CSIR-JRF, 2016; GATE, 2015	Ph.D. at CUK
12.	Deepa A. V.		CSIR-JRF, 2016; NET, 2015; KSCSTE-JRF, 2016 DST- INSPIRE JRF-2016; GATE, 2015	Ph.D. at CUK
13.	Sneha Rajeev		GATE, 2015	-
14.	Naveena Girish		GATE, 2015	-
15.	Leena K.P.	GATE, 2016	-	
16.	Suchithra P.	GATE, 2016	-	
17.	Maimoonath Beevi Y.	2012-14	CSIR-JRF, 2014; GATE,	Ph.D. at RGCB

	P.		2014	
18.	Vidya V		CSIR-JRF, 2014	Ph.D. at CUK
19.	Gouri Priya Ranjith		GATE, 2014; NET, 2015; KSCSTE-JRF, 2015	Ph.D. at JNTBGRI
20.	Shananas A		NET, 2015; KSCSTE-JRF, 2015	Ph.D. at CUK
21.	Shruthi S		KSCSTE-JRF, 2015; CSIR-JRF, 2014	Ph.D. at CUK
22.	Bukhya Abhinayak		GATE, 2014	-
23.	Shruthi N.		SET 2015	Teaching
24.	Ajith T.G		GATE, 2014	Ph.D. at CUK
25.	Bhagyashree Raveendran		NET, 2015; DET, 2015	Ph.D. at CUK
26.	Yashwanthi K.		Indian Academy of Science - Summer Project Fellowship (2013)	Teaching
27.	Joyous T. Joseph		KSCSTE-JRF, 2014; NET, 2014; DST-INSPIRE JRF-2015	Ph.D. at CUK
28.	Amritha P. P		GATE, 2014; KSCSTE-JRF, 2014	Ph.D. at CUK
29.	Hamza Areekkan		KSCSTE-JRF, 2014; SET, 2013	Ph.D. at CUK
30.	Bhanupriya S.	2011-13	UGC-JRF, 2015; NET, 2014; GATE, 2014	Assistant Professor
31.	Swathi Bharathan K		SET, 2014	Teaching
32.	Mridula K		SET, 2015	-
33.	Ramya Pattuvakarathi		SET, 2014	-
34.	Gopal N	2011-13	Indian Academy of Science - Summer Project Fellowship (2012)	Technical Assistant
35.	V. Nanakram		GATE, 2014	Teaching

47. Highlight the participation of students and faculty in extension activities.

Apart from the regular teaching, faculty are involved in

- Organising cultural programs (Dr. Jasmine M. Shah) Organizing committee member of cultural programs on the Republic Day function (2014), CUK.
- Organizing committee members during the First Convocation (2014), CUK (Dr. Jasmine M. Shah - Food Committee, Dr, Viji R.I and Dr. Ginny Antony – Gown Committee).
- Accompanying students for inter-university competitions (Dr. Viji R.I).
- Encouraging the students for various cultural activities like dance, poetry writing, story writing, etc.

Dr. Arun Kumar K

- **Invited special lecture delivered entitled " Fucoidan of marine brown algae can be a potential anticoagulant to replace heparin "** in the International conference on Chemistry of Biomolecules-Current Trends and

Future Perspectives (ICCBCTFP-2016) at Holy Cross College, Trichy organized by the PG and Research Department of Chemistry, Holy Cross College(Autonomous), Trichy and Department of Biochemistry, School of Biological Sciences, Madurai Kamaraj University, Madurai on 27th and 28th July 2016.

- **Invited Special lecture** delivered entitled ‘**Seaweeds are Industrial crops**’ in National seminar on biology for health, Prosperity and sustainability, at PG & Research Department of Zoology, Muslim Arts College, Thiruvithangode, Tamil Nadu on 26th February 2015.
- **Invited Special lecture** delivered entitled ‘**Bio-energy from seaweeds**’ in National conference on Biodiversity conservation and sustainable utilization at Department of Botany, Pasumpon Thiru Muthuramalinga Thevar Mamorial college, Kamuthi-623 604, Tamil Nadu on 11 & 12-10-2012.
- **Invited Special lecture** delivered entitled ‘**Bio-energy from Algae-A genetic engineering approach**’ in One day lecture Programme at Department of Microbiology, JJ college of Arts and Science, Pudukkottai-622 422 on 24-08-2012.
- **Arunkumar, K. 2012. Bio-energy from seaweeds**, Invited Special lecture delivered at National conference on Biodiversity conservation and sustainable utilization at Department of Botany, Pasumpon Thiru Muthuramalinga Thevar Mamorial college, Kamuthi-623 604, Tamil Nadu on 11 & 12-10-2012.
- **Arunkumar, K. and S. Bhuvaneshwari. 2012.** Invited lecture delivered Analysis of calcite, aragonite and dolomite through IR spectroscopy in some *Calcareous algae* occurring along the coast Tamil Nadu, India and the impact of ocean acidification on these crystals in *Amphiroa fragilissima* (Linnaeus) J.V. Lamouroux in National Conference on “**Recent advances in Algal Biotechnology**” during 16 and 17th February, 2012 organized by Phycological Society, India and Centre for advanced studies in Botany, University of Madras, and Chennai, India.
- **Arunkumar, K. 2011. Diversity of seaweeds found along the coast of Thondi (Tamil Nadu, India) with reference to physio-chemical parameters and the effect of elevated CO₂ on calcareous algae**, Invited lecture delivered in “Conference on Perspectives of Climate Change and Plant Diversity Inter-Relations” organized by Manipal Life Sciences Centre, Manipal University, Manipal – 576104, Karnataka on 17th and 18th of November 2011.
- **Arunkumar, K. 2011. Invited lecture** delivered entitled ‘Marine Biotechnology: A special emphasis on genetic engineering of marine algae at Department of Biochemistry, Madurai Kamaraj University, India on 21-09-2011.
- **Invited lecture delivered “Bacterial Association with Seaweeds: A Bio-Prospicive Approach”** 2nd National Conference on Bioprospecting of Marine resources with special reference to marine natural products and drug discovery” held at Alagappa University, Karaikudi, India from 25-08-2010 to 27-08-2010.

Dr. A. Thulaseedharan (for the last three years)

- Invited to deliver the plenary lecture in National Seminar on “New Horizons and Challenges in Biotechnology and Bioinformatics and delivered a lecture on “Transgenic Technology for the Genetic Improvement of Natural Rubber (*Hevea brasiliensis*)” held at CPCRI, Kasaragod
- Invited to deliver a keynote address, chairing a session and represent India to present the status of Biotechnology research of Natural rubber in India at the International Rubber Research and Development Board (IRRDB)

Biotechnology Workshop on *Hevea in vitro* culture and Micropropagation 2014 On October 7-8, 2014, at Bogor, Indonesia.

- Invited to inaugurate and deliver the keynote address in the National Seminar on “Techniques in Bioscience” KKTMM Government College, Pullut, Thrissur (Dt), Kerala. February 18-19, 2014. Topic- Modern Technique in Biosciences: From Mendelian Genetics to Modern Molecular Biology.
- Invited to chair a session and deliver a lecture in the National Seminar on “GM Crops: Prospects and Issues”. Centre for Plant Biotechnology and Molecular Biology, Kerala Agricultural University, Thrissur . March 17-18, 2014. Topic- Genetic Modifications in *Hevea brasiliensis*: Prospects and Biosafety Issues.
- Invited for delivering two lectures and the valedictory address in the National Conference on “Genomics and Genetic Engineering strategies For Crop Improvement-(GGES-2012)” 27-28 Feb 2012 at Periyar University, Salem.
- Invited to deliver a lecture in the National Seminar on “Biotechnology for Human Welfare” Sree Narayana Arts & Science College, Kumarakom, Kottayam (Dt), Kerala, April 26 - 27, 2013. Lecture topic- Genetically Modified Crops: Science, Biosafety issues and Prospects
- Invited to deliver a lecture in the National Seminar on “Basic and Advanced Biochemical Techniques: Relevance in Interdisciplinary Research Scenario”, Bishop Kurialacherry College for Women, Amalagiri, Kottayam. September 3-4, 2013. Topic- Genetically modified crops: Science and Protocols.
- Invited to deliver a lecture in the National Seminar on “Tree Biotechnology 2013”, Institute of Forest Genetics and Tree Breeding, Coimbatore, September 23 - 24 September, 2013. Topic- Transgenic Approaches for the Genetic Improvement of Rubber Tree (*Hevea brasiliensis*).
- Invited to deliver a lecture on Genetically modified (GM) crops and sustainable agriculture at the National Seminar on “Sustainable Development: Challenges and Opportunities”, SN College, Chengannur. Aug 20-21, 2013.

Dr. Jasmine M. Shah

- Invited to deliver lecture on ‘*DIANTHIN*, A negative selection marker in tobacco is non-toxic in transgenic rice and confers sheath blight resistance’ for the National Seminar on ‘Biology to New Biology - The Paradigm Shift’ organized by School of Biological Sciences, Central University of Kerala on April 2012.
- Invited to deliver lecture and conduct the laboratory session for the National workshop on ‘Plant Tissue culture and *Agrobacterium*-mediated transformation’ organized by Inter University Centre for Genomics and Gene Technology Department of Biotechnology, University of Kerala on 18th December 2013.
- Invited to talk and conduct the laboratory session on the topic ‘Transgenics’ at ‘Insight in science: A workshop for VIII-XII std students to familiarize them the frontiers in science & technology’ organized by the Swadeshi Science Movement- Kerala and College of Agriculture, Padannakkad (13-16 May, 2014).
- Invited to deliver a lecture and conduct the laboratory session on the topic ‘Tumours and galls in plants and, *Agrobacterium* deployed as a transformation tool’ at the National Workshop on “Concepts and Practices in Ecology of Plant-Animal Interaction” by Department of Animal Science, CUK, 20th May, 2014.
- Gave inaugural talk on “Adaptations: What We Learn From Them?” During inauguration of Amritha Vidhyalayam ‘Science Club 2014-15’, Kanhangad, July 28, 2014.
- Gave the inaugural talk on the topic “Genetically modified organisms: their genesis and uses” during the inauguration of the ‘Kalpana Chawala Science learning centre for girls’ of organized by the Swadeshi Science Movement- Kerala at the Govt. H.S.S. Kannur, on 27th September 2014.

- Invited to deliver lecture for the National Conference 'Recent Advances in Plant Science' on the topic 'Tools in plant functional genomics' organized by the Department of Botany, University of Kerala on February 27, 2015.
- Invited to deliver lecture on the topic 'From artificial genes to genomes, a journey initiated by Har Gobind Khorana' for the Lecture Series on Advancement in Scientific Research, conducted by the Researcher's Forum, CUK, Jan 9th, 2015.
- Lecture on 'Tools for plant functional genomics' for the 2nd Refresher course in Biotechnology, at UGC-Human Resource Development Centre of Calicut University on July 31, 2015.
- Gave a talk on the topic 'Aquatic pollution' during an outreach program jointly organized by Central University of Kerala and Neythal (Olive Ridley breeding NGO), Kerala Forest Department and, Social Forestry Division, Kasaragod at, Government Fisheries High School, Marakkapu, as part of Wildlife week celebrations on, October 9, 2015.
- Talk on 'Approaches to deduce gene function *in planta*' at the national seminar on "Technical Advancements in Life Sciences" at Sree Neelakanta Govt. Sanskrit College Pattambi, Kerala on December 14, 2015.
- Talk on "Genetic and epigenetic response to microbes – a paradigm of plant-microbe interaction" during the National Conference on "Paradigms of Plant Microbe Interactions", at the Department of Biotechnology, Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu on, February 26, 2016.
- Talk on the topic 'Promoters' - the 'non-coding' regulators of the 'coding' during the seven-day workshop "Decoding the non-coding" at the Department of Biochemistry, Central University of Kerala, February 15-21, 2016.

Dr. Ginny Antony

- **Antony, G.** Targeted Genome editing Platforms, at National seminar on "Recent Advances in Molecular Biology -2016" , Kannur University, Mar. 10, 2016
- **Antony, G.** Mighty small RNAs in Plant Pathogen interaction, at National Workshop "Decoding the Non coding " Central University of Kerala, Feb.18, 2016
- **Antony, G.** RNA effectors in plant pathogen interaction, Invited talk Department of Plant Pathology, IARI, New Delhi, India, Jan. 19, 2016.
- **Antony G.,** Genome Editing : the new frontier in Biotechnology, UGC - Refresher course, Calicut University, Kerala, India, Aug. 14, 2015.
- **Antony, G.** Genetic Engineering tools for the development of transgenics. ICAR short course on "Advances in production of quality planting material in plantation crops" Nov. 18-27, 2014, CPCRI regional station, Kayamkulam, Indi

Dr. Viji R.I:

- Invited to deliver a lecture, "National workshop on Molecular Tools and Techniques" organized by the Inter University Centre for Genomics and Gene Technology, University of Kerala 27-31 May 2013.
- Invited to deliver a lecture, "National workshop on Micro RNA technology" organized by the Inter University Centre for Genomics and Gene Technology, University of Kerala, 26-30 November 2012.

The students

- Participate in campus elections, researchers forum etc.
- Participate as volunteers in various programs like 'Swasraya Bharath 2014,

Scientists-students interaction (an interactive program for school students where more than 1100 students participated), Insight in Science (a workshop for school students)

- Participate in various cultural programs like Onam and Republic Day celebrations
- Ms. Bhagyasree, a student, is the sub-editor of the University magazine ‘*De Novo*’, 2012-14
- Ms. Bhagyasree, a student, is the organising member of ‘Prakriti club’
- Written articles in magazines.
- Summer training program at Kothagiri organised by Key Stone foundation.
- Presented work or participated in various seminars and workshops
- Participate in various competitions

NAME OF THE STUDENT	COMPETITION	POSITION
SARITHA M. M.Sc. (2012-14)	State level poster designing competition on world food day conducted by Kodungallur Kunhikuttan Thampuran Memorial (KKTMM) College, Thrissur	FIRST PLACE
MAYA N. M.Sc. (2012-14)	Essay competition Malayalam (literary fest, Central University of Kerala 2013)	FIRST PLACE
MAIMOONATH BEEVI Y. P. M.Sc. (2012-14)	Vercification Malayalam (Womens day celebrations Central University of Kerala, 2013)	THIRD PLACE
	Essay competition Malayalam (literary fest, Central University of Kerala, 2013)	THIRD PLACE
GOURI PRIYA RANJITH M.Sc. (2012-14)	Essay competition English (Womens day celebrations Central University of Kerala, 2013)	THIRD PLACE
	Slogan writing (Womens day celebrations Central University of Kerala, 2013)	THIRD PLACE
SANAM M, AMRITHA, ANUSHA M.Sc. (2014-16)	University arts fest - group song	FIRST PLACE

Name of Student	Name of the Seminar/ Workshop	Date	Venue	Other details
Joyous T. Joseph (Ph.D.)	‘New horizons and challenges in biotechnology and bioinformatics’.	Oct 2014	CPCRI, Kasaragod	Presented on ‘Identification of reliable reference gene for real time PCR expression analysis in <i>Arabidopsis</i> upon <i>Agrobacterium</i> infection.’
	Workshop on Research Methodology	Oct 2014	Nehru Arts and Science College	Participated
	‘National Symposium on Human-Wildlife Conflict or	Oct 2014	Central University of Kerala	Participated

	Coexistence: What we want?’			
	‘Transgenics and Crop improvement’	July 2014	Inter University Centre for Genomics and Gene Technology (IU-CGGT), University of Kerala	Participated
Amritha P. P (Ph.D.)	Workshop on Research Methodology	Oct 2014	Nehru Arts and Science College	Participated
	‘National Symposium on Human-Wildlife Conflict or Coexistence: What we want?’	Oct 2014	Central University of Kerala	Participated
	National Seminar on ‘Transgenics and Crop improvement’	July 2014	IU-CGGT, University of Kerala	Participated
Hamza Areekkam (Ph.D.)	National Workshop on Concepts and Practices in Ecology of Plant- Animal Interactions	20-27 May 2014	Department of Animal Science, Central University of Kerala	Participated
	New horizons and challenges in biotechnology and bioinformatics	9-10 Oct 2014	CPCRI, Kasaragod	Participated
	National Symposium on Human-Wildlife Conflict or Coexistence: What we want?’	15 Oct 2014	Central University of Kerala	Participated
	Workshop on Research Methodology	17 Oct 2014	Nehru Arts and Science College	Participated
	27th Kerala Science Congress	27-29 Jan 2015	Kerala State Council for Science, Technology and Environment (KSCSTE)	Participated
Yashwanthi K (M.Sc.)	‘New horizons and challenges in biotechnology and bioinformatics’.	Oct 2014	CPCRI, Kasaragod	Presented on ‘Study on the microsatellite instability in plants due to pesticide applications’
Ajith T.G. (M.Sc.)	‘National Seminar cum Workshop on Plant Systematics and Herbarium Techniques’	Sep 2014	Department of Botany, KKTM Govt. College, Pullut, Kerala.	Presented on ‘Prediction, characterisation, amplification and cloning of a

				sporophyte-specific <i>MSP1</i> promoter from rice?
Bhagyasree V.R (M.Sc.)	National Biodiversity conference	Nov 2014	Providence Women's College, Kozhikode	Presented on 'Antimicrobial activity of few members in Lamiaceae'
	National Workshop of Ecology of plant-animal interactions: concepts and practices	20-27 May 2014	Central University of Kerala	Participated
All (M.Sc.) students, 2012-14	The 6 th National Colloquium on evidence based integrative medicine for lymphatic filariasis and other chronic dermatoses	8-10 Dec, 2013	Institute of Applied Dermatology	Participated
Gouripriya, Maya N, Praseena, Bhagyasree, Vidhya D, Yashwanti (M.Sc.)	Science Communication through folk media	Oct 23-27, 2013	Central University of Kerala	Participated

48. Give details of “beyond syllabus scholarly activities” of the department.

Apart from the regular teaching, faculty are involved in

- Organising cultural programs [Dr. Jasmine M. Shah, organizing committee member of cultural programs on the Republic Day function (2014), Central University of Kerala].
- Organizing committee members during the First Convocation (2014), Central University of Kerala (Dr. Jasmine M. Shah - Food Committee, Dr. Viji R.I and Dr. Ginny Antony – Gown Committee).
- Accompanying students for inter-university competitions etc. (Dr, Viji R.I).
- Faculty are members of board of studies (BOS) of the Department
- Encouraging the students for various cultural activities like dance, poetry writing, story writing, etc.
- The faculty also accompany students for biodiversity studies to beach, river banks etc.

Name(s) of the Faculty organiser	Title of the Program	Date	Venue
Prof. (Dr.). G. Mohandas Nair	The 6 th National Colloquium on evidence based integrative medicine for lymphatic filariasis and other chronic dermatoses	8-10 Dec, 2013	Institute of Applied Dermatology

Prof. (Dr.). G. Mohandas Nair, Dr. Jasmine M Shah	Work Shop on 'Science Communication Through Folk Media'	23-27 October, 2013	Seminar hall, Central University of Kerala
Dr. Jasmine M Shah, Dr. Ginny Antony, Dr. Viji R.I.	Molecular trends in taxonomy and biodiversity conservation	3 rd March 2014	Seminar hall, Central University of Kerala
Dr. Jasmine M. Shah	Insight in science: A workshop for VIII-XII std students to familiarize them the frontiers in science & technology	13-16 May, 2014	College of agriculture, Padannakkad
	'STUDENTS INTERACTION', Swashraya Bharat 2014	15 th October 2014	College of Agriculture, Padannakkad
	Lecture on 'Tools for plant functional genomics' for the 2nd Refresher course in Biotechnology	July 31, 2015	UGC-Human Resource Development Centre of Calicut University
Dr. Ginny Antony	'Workshop on Robotics and Intelligent Machines', Swashraya Bharat 2014	October 18, 2014	Mini-Seminar hall, Central University of Kerala
Dr. Viji R.I.	'Workshop for Science teachers', Swashraya Bharat 2014	October 18 th 2014	Seminar hall, Central University of Kerala

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Our M.Sc. Plant Science program is accredited by the Academic Council of the University of Kerala, Trivandrum. Therefore our program is equated to M.Sc. Botany of the University of Kerala.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Each Faculty is involved in research activities that generate new basic and applied knowledge. The outcomes are as follows:

□ **M.Sc. dissertations**

□ **Oral/poster presentations by students**

- Ajith T.G. and Shah, J. M. (September 2014) Prediction, characterisation, amplification and cloning of a sporophyte-specific MSP1 promoter from rice. National Seminar cum Workshop on Plant Systematics and Herbarium Techniques, Department of Botany, KKTU Govt. College, Pullut, Kerala.

- Joseph J.T, Najya Jabeen P., and Shah, J. M. (October 2014) Identification of reliable reference gene for real time PCR expression analysis in *Arabidopsis* upon *Agrobacterium* infection. National seminar on 'New horizons and challenges in biotechnology and bioinformatics'. Swasraya Bharath 2014. Organised by Swadeshi Science Movement – Kerala and Central Plantation Crop Research Institute (CPCRI), Kasaragod.
 - Yashwanti K, Nimisha Narayanan and Shah, J. M. (October 2014) Study on the microsatellite instability in plants due to pesticide applications. National seminar on 'New horizons and challenges in biotechnology and bioinformatics'. Swasraya Bharath 2014. Organised by Swadeshi Science Movement – Kerala and Central Plantation Crop Research Institute (CPCRI), Kasaragod.
 - Bhagyasree V.R and Viji R.I. (Nov 2014) Antimicrobial activity of few members in Lamiaceae, National Biodiversity conference. Providence Women's College, Malapparambu, Kozhikode
- **Oral/poster presentations by faculty**
- **Antony, G.** Candidate host target for bacterial blight strain DX020 in rice, International Rice Symposium 2015, Hyderabad Nov. 18-20, 2015.
 - **Antony, G** and Frank White. Analysis of a rice bacterial blight interactome. Annual Indian Phytopathological Society Meeting at IISR, Kozhikode. Mar. 17, 2015.
 - Mahmood, T., **Antony, G.**, White, F. Characterization of host transcription in response to rice pathogen *Xanthomonas oryzae* APS-MSA joint meeting, Aug 10-14, 2013 Austin , Texas, USA
 - **Antony, G.**, Zhou, J., Yang, B and White, F.F. Gene – for - gene susceptibility in bacterial blight of rice. Missouri Valley Branch Meeting, American Society for Microbiology, April 9-10, 2010, Manhattan, Kansas,USA
- **Publications by students and faculty**

Students

- **Bhanu Priya S**, Aswini P, G.M. Nair and V.B. Sameer Kumar (2013) Testing the Efficacy of *Cerbera odallam* Gaertn. Extracts as a Potential Anti-tumor Agent. Perspectives in Cytology and Genetics, 16 (148-154).

Faculty

Prof Dennis Thomas T

- Cheruvathur M.K, Britto J, **Thomas TD** 2012. Pulvinus- an ideal explant for plant regeneration in *Caesalpinia bonduc* (L.) Roxb., an ethnomedicinal woody climber. Acta Physiologiae Plantarum 34:693-699. (Springer).
- Kumar KG, **Thomas TD** 2012. High frequency somatic embryogenesis and synthetic seed production in *Clitoria ternatea* Linn. an important medicinal climber. (Plant Cell Tissue Organ Culture 110:141-151 (Springer).
- Cheruvathur MK, Sivu AR, Pradeep NS, **Thomas TD** 2012. Shoot organogenesis from leaf callus and ISSR assessment for their identification of clonal fidelity in *Rhinacanthus nasutus* (L.) Kurz; a potent anticancerous ethnomedicinal plant. Industrial Crops and products 40: 122-128 (Elsevier).

- Abraham S, Augustine J, **Thomas TD** 2012. Asymbiotic seed germination and in vitro conservation of *Coelogyne nervosa* A. Rich. an endemic orchid to Western Ghats. *Physiology and Molecular Biology of Plants* 18:245-251. (Springer).
- **Thomas TD**, Mani PK, Sunnichan VG 2012. Floristic Wealth of Kerala. In: Vilanilam J, Antony P, Sunny L (Editors) An introduction to Kerala studies., International Institute for Scientific and academic Collaboration, Inc. (IISAC), New Jersey, USA. PP. 737-754. ISBN-978-0-615-45465-8.
- Abraham J, **Thomas TD** 2012. Antibacterial activity of medicinal plant *Cyclea peltata* (Lam) Hooks and Thoms. *Asian Pacific Journal of Tropical Disease* S280-284 (Elsevier).
- Cheruvathur MK, Najeeb N, **Thomas TD**. 2013. In vitro propagation and conservation of Indian sarasaparilla, *Hemidesmus indicus* L. R. Br. through somatic embryogenesis and synthetic seed production. *Acta Physiologiae Plantarum* 35:771-779 (Springer).
- Cheruvathur MK, Abraham J, **Thomas TD**. 2013. Plant regeneration through callus organogenesis and true-to-type conformity of plants by RAPD analysis in *Desmodium gangeticum* (Linn.) DC. *Applied Biochemistry and Biotechnology* 169:1799-1810 (Springer).
- Cheruvathur MK, Kumar KG, **Thomas TD**. 2013. Somatic embryogenesis and synthetic seed production in *Rhinacanthus nasutus* (L.) KURZ. *Plant Cell Tissue Organ Culture* 113:63-71 (Springer).
- Cheruvathur MK, **Thomas TD**. 2013. Callus induction and multiple shoot regeneration from in vitro cotyledonary nodal explants of *Rhinacanthus nasutus* (L.) Kurz; a potent anticancerous ethnomedicinal plant. *VIRJ for Pure and Applied Sciences* 1:81-89.
- Cheruvathur MK, **Thomas TD**. 2014. Shoot organogenesis from root derived callus of *Rhinacanthus nasutus* (L.) Kurz and assessment of clonal fidelity of micropropagated plants using RAPD analysis. *Applied Biochemistry and Biotechnology* 172:1172-1182 (Springer).
- Jose S, **Thomas TD**. 2014. Comparative phytochemical and antibacterial studies of two indigenous medicinal plants *Curcuma caesia* Roxb. and *Curcuma aeruginosa*. *International Journal of Green Pharmacy* 8:65-71.
- Kumar KG, **Thomas TD**. 2014. Reproductive biology of *Pittosporum dasycaulon*, a rare medicinal tree endemic to Western Ghats. *Botanical studies* 55:15 (Springer).
- Bince Mani, **Thomas TD**. 2014. Evaluation of antioxidant potential of *Pittosporum dasycaulon* Wight and Arn. stem bark. *Food science and Biotechnology* 23:539-545 (Springer).
- Cheruvathur MK, **Thomas TD**. 2014. Plant growth regulators and elicitors increase the rhinacanthin production in hairy root cultures of *Rhinacanthus nasutus* (L.) Kurz. *Plant Cell Tissue Organ Culture* 118:169-177 (Springer).
- Thomas D, Abraham J, Vattappalam, Augustine S, **Thomas TD**. 2014. Antibacterial Activity of Pure and Cadmium Doped ZnO Thin Film. *Indo American Journal of Pharmaceutical Research* 4:1612-1616.
- Cheruvathur MK, **Thomas TD**. 2014. High frequency multiple shoot induction from nodal segments and rhinacanthin production in the medicinal shrub *Rhinacanthus nasutus* (L.) Kurz. *Plant growth regulation* 74:47-54 (Springer).
- Cheruvathur MK, Abraham J, **Thomas TD**. 2015. *In vitro* micropropagation and flowering in *Ipomoea sepiaria* Roxb. an important ethanomedicinal plant. *Asia Pacific Journal of reproduction* 4:49-53 (Elsevier).

- Kurian E, **Thomas TD** 2015. Multiple shoot induction from nodal segments of *Spilanthes acmella* Murr. STARS 5:1-9.
- Abraham J, **Thomas TD** 2015. An efficient shoot regeneration system for medicinally important *Elephantopus scaber* Linn. Crop Breeding and Applied Biotechnology 15:94-99 (Published from Brazil).
- Abraham J, Thomas TD 2015. Plant regeneration from organogenic callus and assessment of clonal fidelity in *Elephantopus scaber* Linn., an ethnomedicinal herb Physiology and Molecular Biology of Plants 21:269-277 (Springer).
- Thomas D, Augustine S, Abraham J, **Thomas TD**, Prakash JPA 2015. In vitro antibacterial activity of ZnO nanoparticles prepared using sodium dodecyl sulfate as stabilizing agent. Romanian Journal of Biophysics 24:295–303.
- Jose S, **Thomas TD** 2015. Abiotic stresses increase plant regeneration ability of rhizome explants of *Curcuma caesia* Roxb. Plant Cell Tissue Organ Culture 122: 767-772 (Springer).
- Abraham J, **Thomas TD**. 2015. Isolation, characterization and evaluation of antibacterial activity of a flavanone derivative 8- hydroxyl naringenin from *Elephantopus scaber* Linn. World Journal of Pharmaceutical Research 4: 2232-2240.
- Bince Mani, **Thomas TD**. 2015. Evaluation of antibacterial potential of stem bark of ethnomedicinal tree *Pittosporum dasycaulon* Miq. International Journal of Plant Science and Ecology 1:113-118.
- Jose S, **Thomas TD** 2015. High frequency callus organogenesis, large scale cultivation and assessment of clonal fidelity of regenerated plants of *Curcuma caesia* Roxb., a rare medicinal plant. Agroforestry systems 89:779-788 (Springer).
- Cheruvathur MK, Jose B, **Thomas TD**. 2015. Rhinacanthin production from hairy root cultures of *Rhinacanthus nasutus* (L.) Kurz. In Vitro Cellular and Developmental Biology – Plant 51:420-427 (Springer).
- **Thomas TD**, Hoshino Y 2015. Callus induction, high frequency shoot organogenesis and assessment of clonal fidelity in *Torenia bicolor* Dalzell., an endemic plant to Western Ghats. Journal of Applied Research on Medicinal and Aromatic Plants 2:188-194 (Elsevier).
- **Thomas TD**, Hoshino Y 2016. In vitro strategies for the conservation of some medicinal and horticultural climbers. In: Shahzard A, Sharma S, Siddiqui SA (Eds) Biotechnological strategies for the conservation of medicinal and ornamental climbers. Pp. 259-290, Springer International Publishing Switzerland.
- Abraham J, **Thomas TD** 2016. Advances in Asteraceae tissue culture (Springer book chapter-In press).
- **Thomas TD**, Hoshino Y 2016. Thidiazuron induced simultaneous production of multiple shoots and somatic embryos from nodal explants of *Torenia bicolor* Dalzell. Scientia Horticulturae (Elsevier Science – In revision).

Prof. (Dr.). G. Mohandas Nair

- Bhanu Priya S, Aswini P, **G.M. Nair** and V.B. Sameer Kumar (2013) Testing the Efficacy of *Cerbera odallam* Gaertn. Extracts as a Potential Anti-tumor Agent. Perspectives in Cytology and Genetics, 16 (148-154).
- Lea Mathew, V.P. Potty and **G.M. Nair**. (2013) Amino acid profile and protein quality assessment of a novel single cell protein as an animal feed

- supplement. International Journal of Applied Biochemistry and Biotechnology. 1 (1): 71-80.
- Basheer R1, Ganga G, Chandran RK, **Nair GM**, Nair MB, Shibli SM. Effect of W-TiO₂ composite to control microbiologically influenced corrosion on galvanized steel. App. Microbiol. Biotechnol. 97:5615-5625.
 - Emimol. A, Ganga. G, Parvathy. R, Radhika. G, Nair G.M (2012) Screening of Microbes producing extracellular hydrolytic enzyme from corporation waste dumping site and house hold waste for the enhancement of bioremediation methods. IOSR Journal of Phramacy and Biological Sciences. 4(1) 54-60.
 - A novel strain of *Bacillus thuringiensis* which efficiently degrade feathers. International J. Biotech. Biochem. 2: 355-364.
 - Reji S. R., Pathmanabhan. V.Potty and Mohanadasan. **G. Nair**. (2012) Molecular identification of a novel PHB producing bacterium through 16S RNA sequencing. International. J. Biotech. Biochem. 8 (2): 223-233.
 - Chromosome number and unique pollen characteristics of an endemic medicinal plant *Naregamia alata* Wight & Arn. J. Medicinal and Aromatic Plant Sciences. 35(1&2): 101-104.
 - Traditional Knowledge in Healthcare Systems. Compendium on Traditional Knowledge. Special Issue, 25th Kerala Science, Wayanad.
 - Anti-inflammatory and analgesic activity of roots and leaves of *Chassalia curviflora* (Wall). Journal of Medicinal and Aromatic Plant Sciences:35.
 - Joseph N, Siril EA, **Nair GM**. An efficient in vitro propagation methodology for Annatto (*Bixa orellana* L.). Physiol Mol Biol Plants. 2011 Jul;17(3):263-70.
 - Linda Koshy, Viji R.I., Hareesh P.S., Mahesh S.K., Mahesh Chandran V.R., Aravind R., Irin Kurikesu, Parvathy Jayachandran, A. Jayakumaran Nair, A. Gangaprasad, **G.M. Nair**, P.R. Sudhakaran. (2013) Comparative Analyses of Real-time RT-PCR Protocols for the Detection of Mature miRNA Molecules in Human Blood Serum. Perspectives in Cytology and Genetics 16 (1-10).

Dr. Arun Kumar K

- Jegatheesan, A.,M. P. Sudhakar, C. Poonam, K. Perumal, **K. Arunkumar**.2016. Isolation and characterization of alginate-degrading bacteria *Sinomicrobium oceani*. Biomass Conv. Bioref. DOI: 10.1007/s13399-016-0212-z.(Springer)
- **Arunkumar,K** and J. Archanadevi. 2016. Effect of increasing dissolved inorganic carbon on two tropical marine red algae calcareous, *Amphiroa fragilissima* and non-calcareous, *Gracilaria edulis*, *Seaweed Research and Utilization*, (Seaweed Research Association in India), ISSN: 0971 – 7560.38(1):41-47.
- Sudhakar,M.P.,**K.Arunkumar** and K.Perumal.2016. A preliminary study on antioxidant and antimicrobial activities of phycoerythrin from different *Gracilaria* species.*Seaweed Research and Utilization*, (Seaweed Research Association in India), ISSN: 0971 – 7560.38(1):49-54
- Raja,R., S. Hemaiswarya, **K. Arunkumar** and I. S Carvalho, 2015. Antioxidant activity of seaweeds collected from Faro, Portugal. **Brazilian Journal of Botany (Springer)**, ISSN:1806-9959, DOI:10.1007/s40415-015-0200-8(IM. F 0.65)
- **Arunkumar, K.**, M. Kamalarasan and J. Archanadevi. 2015.Growth promoting effect of two seaweed extract on chilly, *Capsicum annum* L.

- var. PMK 01, *Phykos*, (Indian Phycological Society), 45 (2): 1-8, ISSN:0554-1182.
- Gopinath, K., C. Karthikeyan, A.S. Haja Hameed, **K. Arunkumar** and A. Arumugam. 2015. Phytochemical Synthesis and Crystallization of Sucrose from the Extract of *Gloriosa superba*, *Research Journal of Phytochemistry(scialert)*, 9 (4): 144-160, eISSN: 2151-6081.
 - Jothirethinam, A., S.Prathiba, N. Shanthi and **K. Arunkumar**.2015. Green synthesized silver nanoparticles prepared from the antimicrobial crude extracts of two brown seaweeds against plant pathogens, *American Journal of Nanotechnology(Science publication)*, 6(2):31-39, ISSN: 1949-0224.
 - Raja,R., S. Hemaiswarya, I. S. Carvalho and **K. Arunkumar**.2015.Impact of industrial salt effluent and seaweed liquid fertilizers on three microalgae, *Brazilian Journal of Botany(Springer)*,38(3):547-553, ISSN: 1806-9959,DOI: 10.1007/s40415-015-0170-x(IM. F 0.65).
 - Sudhakar,M.P., A. Jagatheesan, K. Perumal, **K. Arunkumar**. 2015. Methods of phycobiliprotein extraction from *Gracilaria crassa* and its applications in food colourants, *Algal Research(Elsevier)*, 8 :115–120, ISSN: 2211-9264, (Im F: 5.014).
 - Suvega, T and **K. Arunkumar**, 2014. Antimicrobial Activity of Bacteria Associated with Seaweeds against Plant Pathogens on Par with Bacteria Found in Seawater and Sediments ,*British Microbiology Research Journal(science domain)*, 4(8): 841-855, ISSN: 2231-0886.
 - **Arunkumar, K.**, B. Buvanewari and M. Murugan.2014. Quantification of carbonate crystals using FTIR technique in some calcareous algae occurring along the southeast coasts of India, *Indian Journal of GeoMarine Sciences(NISCAIR)* 43(12), ISSN: 0379-5136, (I.F.0.73)
 - **Arunkumar, K.** and J.Archanadevi.2014. Application of FTIR spectroscopic technique for identifying polysaccharides from the red algae of Pamban coast, Tamil Nadu. *Seaweed Research and Utilization, (Seaweed Research Association in India)* ,36(1&2):43-46, ISSN: 0971 – 7560.
 - Jegatheesan,A., C. Poonam and **K.Arunkumar**.2014.Biochemical composition and spectral (FTIR and FT-Raman) properties of agar in three strains of *Gracilaria edulis* (Gmelin) Silva, *Seaweed Research and Utilization, (Seaweed Research Association in India)*,36(1&2):36-42, ISSN: 0971 – 7560.
 - Eluvakkal,T., N. Shanthi, M. Muruganand **K.Arunkumar**.2014.Extraction of antibacterial substances, galactofucoidan and alginate successively from the Gulf of Mannar brown seaweed *Sargassum wightii* Greville ex J. Agardh,*Indian Journal of Natural Products and Resources(NISCAIR)*, 5 (3): 249-257, ISSN: 0976-0512.
 - Shanthi,N., T.Eluvakkal and **K.Arunkumar**.2014.Characterization of galactose rich fucoidan with anticoagulation potential isolated from *Turbinaria decurrens* Bory de Saint-Vincent occurring along the coast of Gulf of Mannar (Pamban), India. *Journal of Pharmacognosy and Phytochemistry*, 3 (2): 132-137, ISSN: 2278-4136.
 - **Arunkumar K.**, A. Palanivelu and A. Darsis.2014. Proximate composition, nutraceutical constituents and fatty acid profile on GCMS of seaweeds collected from Balk Bay (Thondi), India. *International Journal of Current Sciences*, 12: E 57-71, ISSN: 2250-1770.
 - Karthik, R. and **K. Arunkumar**. 2013. Screening and Isolation of Bacteria Associated with Seaweeds Occurring Along the Coast of Thondi(Bay of

Bengal, India) for Chitinolytic Activity. *International Journal of Applied Research*, 1(1):14-18, ISSN: 2347-9272.

- Sudhakar, M.P., B.Suganya, B. Monisha, A. Jegatheesan, C.Poonam, Beena B Nair and **K. Arunkumar**. 2013. Microbial degradation of phycocolloids in seaweeds. *Indian Hydrobiology*, 16(2): 107:115, ISSN: 0971-6548.
- Sudhakar M.P., Beena, B. N., Jegatheesan, A. and **Arunkumar, K.**2013. Seaweed to liquid fuel. *Akshay Urja*. 6(5&6):59-60.
- **Arunkumar, K.**, S. Suriya, R.Karthik and J.Archanadevi.2013.Biocalcification and antibiotic potential of bacteria associated with three calcareous algae of Gulf of Mannar ,India, *Journal of Modern Science*,5(2):74-86.
- Sivakumar,SR.,N.Thajuddin and **K.Arunkumar**.2012.Biodiversity of microorganisms of Ranjankudi fort, Perambalur district. *Journal of Ecotoxicology and Environmental Monitoring*, 22(1) : 11-16, ISSN: 0971-0965.
- Sivakumar,SR.,A.Pannerselvam and **K.Arunkumar**.2012. Cultivation of *Pleurotus clitrinopileatus* on sugarcane trash substrate. *Journal of Ecotoxicology and Environmental Monitoring*, 22(6) : 573-576, ISSN: 0971-0965.
- **Arunkumar,K.**, and S.R. Sivakumar.2012. Seasonal influence on bioactivity of seaweeds against plant pathogenic bacterium *Xanthomonas axonopodis* pv. *citri* (Hasse) Vauterin *et al.* *African J Microbial Research*, 6(20): 4324-4331,DOI: 10.5897/AJMR11.977, ISSN: 1996-0808,(Im. F. 0.535).
- Sutha,S.P., M. Venkatesan and **K. Arunkumar**.2011.Endobiotic bacteria in some seaweeds of Thondi coastal region in Palk Bay, Tamil Nadu, India. *J. Marine Biological Association of India*, 53(2):251-256, ISSN: 0025-3146.
- **Arunkumar,K.**, S.R. Sivakumar and R.Rengasamy. 2010. Review on Bioactive Potential in Seaweeds (Marine Macroalgae): A Special Emphasis on Bioactivity of Seaweeds Against Plant Pathogens.*Asian Journal of Plant Sciences(scialert)*, 9 : 227 – 240, ISSN: 1682-3974.
- Eluvakkal, T., S.R. Sivakumar and **K. Arunkumar**, 2010. Fucoïdan in some Indian brown seaweeds found along the coast Gulf of Mannar. *International J. Botany(scialert)*, 6: 176-181, ISSN: 1811-9700.
- Murugan,M. and **K. Arunkumar**.2010. Amino acids levels in selected brown seaweeds found along the coast of Rameswaram, Gulf of Mannar. *Journal of Ecobiology*. 27(1): 95-99, ISSN: 0970-9037.
- Murugan,M. and **K.Arunkumar**.2010. Evaluation of heavy metal status in the seaweeds of Thondi, (Palk Bay), Tamil Nadu. *Journal of Ecobiology*. 27(3): 213-216, ISSN: 0970-9037.

Dr. A. Thulaseedharan

- R.G. Kala, L.T. Tisha, S. Sobha, R. Jayasree, P. Leda and A. Thulaseedharan (2015) Somatic embryo germination in *Hevea brasiliensis*: Effect of embryo desiccation and phloroglucinol. *Rubber Science*. 28:
- P. Kumari Jayasree, S. Divya, R. Supriya, **A. Thulaseedharan** (2015) *Agrobacterium* mediated transformation of *Hevea brasiliensis* with apple cDNA encoding sorbitol-6-phosphate dehydrogenase. *Rubber Science*. 28:31-39.
- Sobha, S, Rekha, K., Sushamakumari, S., Jayashree, R., Kala, R.G., Jayasree, P.K., Deepa, K. and **Thulaseedharan, A.** (2013). High frequency *Agrobacterium* mediated genetic transformation in rubber tree *via*. vacuum infiltration. *Journal of Plantation Crops*. 41 (3): 300-306.

- R.G. Kala, J. Reshmi, S. Sobha, R. Jayashree and **A. Thulaseedharan** (2014). Genetic transformation of *Hevea brasiliensis* Muell. Arg. using intact explants as target tissues for *Agrobacterium* infection. *Journal of Tropical Agriculture* 52 : 21-30, 2014.
- Sobha, S., Rekha, K., Sushamakumari, S., Jayashree, R., Kala, R G., Deepa, K. and Thulaseedharan, A. (2014). *Agrobacterium* mediated multiple gene integration in *Hevea brasiliensis* (Muell. Arg.). *Tropical Agriculture*, 52: 31-38.
- Jayashree, R., Rekha, K., Venkatachalam, P., Sushamakumari, S., Sobha, S., Vineetha, M., Suni, A.M., Leda, P., **Thulaseedharan, A.** and Nazeem, P.A. (2013). Role of bacterial strain in determining the efficiency of genetic transformation in *Hevea brasiliensis*. *Rubber Science*. **26 (2)**: 217-227.
- Sumesh, K.V., Satheesh, P.R., Sreelatha, S., Ravichandran, S., **Thulaseedharan, A.**, Jayashree, R., Krishnakumar, R., Annamalainathan, K., Singh, M and Jacob, J. (2014) Drought tolerance in MnSOD transgenic *Hevea brasiliensis* in a dry sub-humid environment. *Journal of Plantation Crops*. 42:70-77.
- Venkatachalam, P., Geetha, N., Sangeetha, P and **Thulaseedharan. A** (2013) Natural rubber producing plants: An overview. *African Journal of Biotechnology*. 12: 1297-1310,
- Sobha,s., Sushamakumari, , Rekha ., Jayashree, R., Kala, R.G., Supriya, . and **Thulaseedharan. A** (2012) Factors promoting *Agrobacterium* mediated genetic transformation efficiency in *Hevea brasiliensis*. *Rubber Science*. 25: 173-182.
- **Thulaseedharan, A.**, Sajeevan, R.S. and Saleena, A. (2012) Detection and isolation of good quality DNA from the latex of *Hevea brasiliensis*. *Natural Rubber research*. 25: 77-85
- Kumari Jayasree, P., Sajeevan, R.S. and **Thulaseedharan, A.** (2012) Changes in protein profile during different developmental stages of somatic embryogenesis in *Hevea brasiliensis*. *Rubber Science* 25: 183-188
- Kumari Jayasree, P., Reghu, C.P., Kala, R.G. and **Thulaseedharan, A.** (2012) Histochemical changes in embryogenic and non embryogenic calli of *Hevea brasiliensis*. *Natural Rubber Research*. 25: 86-90
- R. Jayashree., S. Sobha., K. Rekha., R. Supriya., M. Vineetha., S. Sushamakumari., R.G. Kala., P.K. Jayasree., **A. Thulaseedharan, K.** Annamalainathan., D.B. Nair., S. Sreelatha., R. Krishnakumar and James Jacob (2011) Over expression of MnSOD and related drought related traits in MnSOD transgenic *Hevea brasiliensis*. *Natural Rubber Research*, 24 (1): 18-27.
- Thanseem, I., Joseph, A., Jacob, C.K. and **Thulaseedharan, A** (2010) Cloning and bacterial expression of a pathogen-inducible β -1-3-glucanase gene from *Hevea brasiliensis* with antifungal properties. *Natural Rubber Research*. 23: 1-11.
- Venkatachalam, P., Geetha, N., Priya, P., and **Thulaseedharan. A.** (2010) Identification of a differentially expressed thymidine kinase gene related to tapping panel dryness syndrome in the rubber tree (*Hevea brasiliensis* Muell. Arg.) by random amplified polymorphic DNA screening. *International Journal of Plant Biology*. 1 (1); 33-39.
- P. Kumari Jayasree., R.S Sajeevan., R. Supriya., K. Rekha., R.G.Kala., R. Jayashree and **A. Thulaseedharan** (2010). Genetic analysis of somatic embryo derived plants of *Hevea brasiliensis* using RAPD markers. *Natural Rubber Research* 23(1&2) 20-27.

- K. Rekha., R. Jayashree., T. Gireesh, S. Sushamakumari., T. Jomini., S. A. Priya., P.K. Jayasree., S. Sobha., R.G. Kala and **A. Thulaseedharan** (2010) Embryo rescue and plant regeneration in *Hevea brasiliensis*. *Natural Rubber Research* 23(1&2) 147-54.
- Kala, R.G., Gimisha, G.C., Kumari Jayasree, P., Sushamakumari, S., Sobha, S., Jayashree, R., Rekha, K. and **Thulaseedharan, A.** (2010) Somatic embryogenesis in leaf cultures of *Hevea brasiliensis*- effect of source plant. *Natural Rubber Research*, 22 (1 & 2): 117-126.
- Sobha, S., Sushamakumari, S., Venkatachalam, P., Kala, R.G., Rekha, K., Jayashree, R., Leda, P. and **Thulaseedharan, A.** (2010) Somatic embryogenesis from the *in vitro* root explants of transgenic *Hevea brasiliensis* and validation of stable gene integration. *Natural Rubber Research*, 22 (1 & 2): 43-54.
- Kumari Jayasree, P., Thomas, V. and **Thulaseedharan, A.** (2010) Anatomical changes during acclimatization in somatic embryogenesis-derived plants of *Hevea brasiliensis*, *Natural Rubber Research*, 22 (1 & 2): 156-162.

Dr. Jasmine M. Shah

- **Shah, J. M.** 2013. Glimpses of a century-old story: *Agrobacterium*, a pathogen deployed for genetic engineering. *Resonance* 18:336-344.
- **Shah, J. M.**, and B. Tufail. 2013. Origin of petiole and midrib in *Arabidopsis thaliana*. *Proceedings of the Indian National Science Academy* 71:99.
- Majhi, B. B., **Shah, J. M.** and Veluthambi, K. (2014) A novel T-DNA integration in rice involving two interchromosomal translocations. *Plant Cell Rep* 33:929–944.
- **Shah, J. M.** et al., (2015) Suppression of different classes of somatic mutations in *Arabidopsis* by *vir* gene-expressing *Agrobacterium* strains. *BMC Plant Biology* 15:210.

Dr. Ginny Antony

- Li, H., Bai, J., Mahmood, T. **Antony, G.**, Lu, N., Pumphreys, M. Bowden, R., Gill, B. and White, F.F, Bai, J (2016). The non host pathogen *Puccinia triticina* elicits an active transcriptional response in rice. *European Journal of Plant Pathology*. DOI. 10.1007/s10658-016-1025-4.
- Huang, S., **Antony, G.**, Li, T., Liu, B., Obasa, K., Yang, B. and White, F.F. (2016). The broadly effective recessive resistance gene *xa5* of rice is a virulence effector- dependent quantitative trait for bacterial blight. *The Plant Journal* DOI: 10.1111/tpj.13164.
- **Antony, G.** (2014) Combating pomegranate bacterial blight: Insights from research advances on related pathogen. *Proceedings; National seminar cum Exhibition "Pomegranate for Nutrition, Livelihood security and Entrepreneurship development"* 1: pp 179-181.
- Liu, X.M., Khajuria, C., Trick, H. N., Li Huang, Gill, B.S., Reeck, G.R., **Antony, G.**, White, F.F., Chen, M.S. (2013) Wheat *Mds1* encodes a heat-shock protein and governs susceptibility towards the Hessian fly gall midge. *Nature communication*. 4:2070-2074 .
- James C. Nelson, Shichen Wang, Yuye Wu, Xianran Li, **Antony G.**, Frank F. White and Jianming Yu (2011). Single-nucleotide polymorphism discovery by high throughput sequencing in sorghum. *BMC Genomics*, **12**:352-355.

- Li-Qing Chen, Bi-Huei Hou, Sylvie Lalonde, Hitomi Takanaga, Mara L. Hartung, Xiao-Qing Qu, Woei-Jiun Guo, Jung-Gun Kim, William Underwood, Bhavna Chaudhuri, Diane Chermak, **Antony G**, Frank F. White, Shauna C. Somerville, Mary Beth Mudgett, Wolf B. Frommer. (2010). Sugar transporters for intercellular exchange and nutrition of pathogens. *Nature*, 468: 527–532.
- **G. Antony**, J. Zhou, S. Huang, T. Li, B. Liu, F. White, B. Yang (2010) Rice *xa13* recessive resistance to bacterial blight is defeated by induction of the disease susceptibility gene Os-11N3. *The Plant Cell*, 22: 3864-3876.

Dr. Viji R.I.

- Linda Koshy, **Viji R.I.**, Hareesh P.S., Mahesh S.K., Mahesh Chandran V.R., Aravind R., Irin Kurikesu, Parvathy Jayachandran, A. Jayakumaran Nair, A. Gangaprasad, G.M.Nair, P.R. Sudhakaran. (2013) Comparative Analyses of Real-time RT-PCR Protocols for the Detection of Mature miRNA Molecules in Human Blood Serum. *Perspectives in Cytology and Genetics* 16 (1-10).
- Kumar VB , **Viji RI**, Kiran MS & Sudhakaran PR (2011) Angiogenic Effect of Laminin Involves Modulation of Cyclooxygenase-2 and Prostaglandin Levels. *Exp Biol Med* 236, 44-51.
- Kiran MS, **Viji RI**, Kumar SV, Prabhakaran AA & Sudhakaran PR (2011) Changes in expression of VE-cadherin and MMPs in endothelial cells: Implications for angiogenesis. *Vasc Cell* 3, 6.
- Sameer Kumar VB, **Viji RI**, Kiran MS & Sudhakaran PR (2012) Angiogenic Response of Endothelial Cells to Fibronectin. *Biochemical Role of Cell Surface Macromolecules in Adv Exp Med Biol* 749, 131-151 Springer Ed. P.R. Sudhakaran and A. Surolia.

Ajay Kumar

- Ramchiary, N., Pang, W., Nguyen, V. D., Li, X., Choi, S. R., Kumar, A., Kwon, M., Song, H. Y., Begum, S., Kehie, M., et al. (2015). Quantitative trait loci mapping of partial resistance to Diamondback moth in cabbage (*Brassica oleracea* L). *Theor. Appl. Genet.*
- Chhapekar, S., Gaur, R., **Kumar, A.**, Ramchiary N (2015). Reaping the Benefits of NextGeneration Sequencing Technologies for Crop Improvement – Solanaceae. In: Kulski J, Editor. *Next Generation Sequencing: Advances, Applications and Challenges*. InTech 1st Ed.
- Sarpras, M., Gaur, R., Das, J., **Kumar, A.**, Yadava, SA., Abraham, A., Ramchiary, N.,. Comparative analysis of fruit metabolites and pungency candidate genes expression between Bhut jolokia and other Capsicum species. *Plos One*. Submitted in 2016.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Major Strengths

- Well qualified faculty
- Faculty take maximum effort to impart knowledge to students
- Faculty and staff work in cooperative manner
- Students are free to express their views, complaints and suggestions
- Students are exposed to basic and advance research

Major Weaknesses

- The Department operates from a rental building. Due to this we face serious issues in setting up laboratory and have limited space
- The number of faculty is inadequate
- The instruments required for research are insufficient
- The class rooms need to be bigger with more ventilation
- Administrative and technical assistance is inadequate

Major Opportunities

- Can avail Government funding like DST-FIST, UGC-SAP/CAS, DPE, DBT etc. to enhance research infrastructure research output
- Can enhance its research in latest areas of plant science (genomics, crop improvement, genetic engineering, characterisation of medicinal plants), interdepartmental collaboration etc.
- Can be recognized for research activities by national/ international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT etc.)
- Can conduct more work-shops, conferences, seminars etc.
- Can start useful diploma or certificate courses

Major Challenges

- To enhance the instrumentation facility for doing enhanced research
- To enhance infrastructure facility
- To employ more faculty with advanced research exposure
- To come up with more basic and applied research outcomes and collaborations (national and international)
- To be recognized for research by national/ international agencies

52. Future plans of the department.

- To enhance the number of faculty
- To increase the infrastructure and instrumentation facility
- To avail Government funding like DST-FIST, UGC-SAP, DBT etc. to enhance research infrastructure and research output
- Expand its research in latest areas of plant science like genomics, crop improvement, genetic engineering, identification and characterisation of medicinal plants, interdepartmental collaboration etc.
- To be recognized for research activities by national/ international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT etc.)
- To conduct more work-shops, conferences, seminars etc.
- To start useful diploma or certificate courses
- To identify local problems with regard to plants, crops and provide research based solutions.



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF ENVIRONMENT SCIENCE
(SCHOOL OF EARTH SCIENCE SYSTEMS)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Environmental Science**
2. Year of establishment: 2012
3. Is the Department part of a School/Faculty of the university?
Yes. The Department is a part of the School of Earth Science Systems
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
M. Sc. Environmental Science & Ph.D. Environmental Science
5. Interdisciplinary programmes and departments involved
None
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
None
7. Details of programmes discontinued, if any, with reasons:
None
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Choice Based Credit System
9. Participation of the department in the courses offered by other departments
Yes. In Elective Courses with other departments in the School of Biological Sciences.
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	1	1
Asst. Professors	4	4*	3
Others			
One yet to Join			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr. Muthukumar Muthuchamy	M.Sc., Ph.D	Associate Professor & Head	Water and Wastewater treatment	15	Ph.D Completed - 8 Pursuing - 5 M.Phil- Completed - 6
Dr. Rishiram Ramanan	M.Sc., PGDEL, Ph.D.	Asst. Professor	Aquatic Ecology, Algal Biology & Biotechnology	7	Ph.D. – 1 (Pursuing)
Dr. K. Sowjanya Sree	M.Sc., Ph.D	Asst. Professor	Crop pest management, Ecology, Biodiversity and Conservation, Plant biotechnology, Duckweed research and applications	6	Ph.D. – 2 (pursuing)
Dr. Jeyabalan Sangeetha	M.Sc., Ph.D	Asst. Professor	Environmental Toxicology, Environmental Microbiology and Environmental Biotechnology	5	Ph.D. – 2 (pursuing)

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc	Nil
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc	4:1
Ph.D.	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	1	1	1
Administrative staff	1	1	1

16. Research thrust areas as recognized by major funding agencies

Water and Wastewater Treatment, Environmental Biotechnology, Climate Change, Renewable Energy, Environmental Toxicology, Ecology, Biodiversity and Conservation, Genetics & Molecular Biology, Environmental Microbiology, Crop Pest Management

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	1
	National	3
Total grants received (in `)		73.245

Faculty (PI)	Project Title	Funding Agency	Grant Received (Lakhs)
Dr. Muthukumar Muthuchamy	Climate change adaptation strategies for Biodiversity conservation in Western Ghats, India	DST	28.072
Dr. Muthukumar Muthuchamy	Spatial distribution of Uranium and associated water quality parameters in ground water/ drinking water of Coimbatore, Erode, Tiruppur and The Nilgiris district of Tamilnadu	BRNS, DAE	26.973
Dr. Muthukumar	Socio – economic, environmental and	UGC	6.200

Muthuchamy	institutional impact of indoor air pollution on tribal household : A case evidence from Nilgiris District of Tamilnadu		
Dr. K. Sowjanya Sree	Transcriptional responses of <i>Helicoverpa armigera</i> to the mycotoxin, destruxin	IGSTC, India and MPG, Germany	12.000
Total Grant			73.245

Completed projects

Faculty (PI)	Project Title	Funding Agency	Grant Received (Lakhs)
Dr. K. Sowjanya Sree	Identification of micro RNAs in sex determination of <i>Helicoverpa armigera</i> (2012-2015)	SERB-FTYS	25
Dr. U. Unnikrishnan	Metaporphosis does not reset embryonic and larval history clarifying the role of offspring provisioning and larval feeding on early post-settlement performance of coastal marine invertebrates (2011-2014)	FCT-EU International	Euro 1,58,240 (Appox. Rs. 1.11 Crores)
Dr. U. Unnikrishnan	Larval sources-Assessing the ecological performance of marine protected area (MPA) networks (2011-2015)	FCT-EU International	Euro 1,89,739 (Appox. Rs. 1.33 Crores)
Total Grant			269

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received (Lakhs)
International		
	Total Grant Received	
National Dr. Muthukumar Muthuchamy	Socio – economic, environmental and institutional impact of indoor air pollution on tribal household : A case evidence from Nilgiris District of Tamilnadu	6.2

	Total Grant Received	6.2

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	73	
Monographs	2	
Chapters in Books	22	
Edited Books	6	
Books	ISBN	Publisher
Sree KS, Varma A (Editors). Biocontrol of Lepidopteran pests: Soil microorganisms and their metabolites, 2015	978-3-319-14498-6	Springer-Verlag
Thangadurai D, Busso C.A, Arenas L.G.A, Sangeetha J. 2012. Frontiers in Biodiversity Studies	978-93-81141-52-6	I.K. International Publishing House Pvt. Ltd., New Delhi
Thangadurai D, Sangeetha J. 2014 Biotechnology and Bioinformatics: Advances and Applications for Bioenergy, Bioremediation and Biopharmaceutical Research	978-17-71880-01-5	CRC Press, Boca Raton, Florida
Thangadurai D, Sangeetha J. 2015. Genomics and Proteomics: Principles, Technologies and Applications	978-17-71881-14-2	CRC Press, Boca Raton, Florida

Thangadurai D, Sangeetha J, David M. 2016. Fundamentals of Molecular Mycology	978-1-77188-253-8	CRC Press, Boca Raton, Florida
Thangadurai D, Sangeetha J. 2016. Industrial Biotechnology: Sustainable Production and Bioresource Utilization.	978-17-7188-269-9	Apple Academic Press, Inc., New Jersey
Sangeetha J, Thangadurai D, David M, Mohammed A. 2016. Environmental Biotechnology: Biodegradation, Bioremediation and Bioconversion of Xenobiotics for Sustainable Development	978-17-7188-362-7	Apple Academic Press, Inc., New Jersey
Citation Index (Range)		45 - 792
Impact Factor (Range)		0 – 9.8
h- index (Range)		5 – 13

23. Details of patents and income generated

Patent Details	Income Generated
1. HS Kim, R Ramanan , DH Cho, BH Kim. 2014. Microalgal lipid enhancement through salt stress and hydrogen peroxide. Korean Patent Office.	Nil
2. HS Kim, R Ramanan , DH Cho, BH Kim. 2014. Chemical and genetic manipulation of autophagy processes for increasing content of biofuel precursors in algae. Korean Patent Office.	

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated

25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. K. Sowjanya Sree	Germany	Max Planck Institute of Chemical Ecology, Jena, Germany

26. Faculty serving in

Faculty Serving in	Number
National committees	Dr. Rishiram Ramanan - FICCI Member of the Sub Group – Policy Interventions in Public Private Partnerships (PPPs) for Municipal Solid Waste Management in India
International committees	
Editorial Boards	Dr. Rishiram Ramanan Frontiers in Aquatic Microbiology Frontiers in Chemistry Frontiers in Marine Science Frontiers in Molecular Biosciences
Any other (please specify)	Reviewer for peer reviewed International journals: Plant Biology (Wiley), Current Science (CSA), Journal of Applied Microbiology (Wiley), Elsevier

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Muthukumar Muthuchamy	<ul style="list-style-type: none"> • Quality Assessment in Higher Education and e - Learning organized by UGC-Academic Staff College, Bharathiar University, Coimbatore (12.03.2015 to 13.03.2015) • Water Quality Management organized by Center for Water Resources Development and Management (CWRDM), Kozhikode (26.02.2015 to 28.02.2015) • Advanced Oxidation Technique-Skill training and Demonstration organized by Anna University, Chennai (01.10.2014) • Development and Administration of distance education system for faculty members organized by School of Distance Education, Bharathiar University, Coimbatore (12.03.2014 to 13.03.2014) • e-Content development organized by UGC-Academic Staff College, Bharathiar University, Coimbatore (12.02.2014 to 14.02.2014) • Refresher Course in Environmental Studies (M) organized by UGC-Academic Staff College, Bharathiar University, Coimbatore (19.11.2013 to

	<p>09.12.2013)</p> <ul style="list-style-type: none"> Administration and development of distance education system organized by School of Distance Education, Bharathiar University, Coimbatore (27.03.2013 to 28.03.2013) Workshop on Carbon sequestration in mitigation of global warming organized by Dept. of Environmental Sciences, Bharathiar University, Coimbatore (20.03.2012) Staff Training and Development organized by School of Distance Education, Bharathiar University, Coimbatore (10.03.2012 to 12.03.2012) E- resources under UGC-INFONET Digital Library consortium organized by Arignar Anna Noolagam, Bharathiar University, Coimbatore (15.09.2011) Faculty Development Program organized by UGC-Academic Staff College, Bharathiar University, Coimbatore (24.05.2011 to 26.05.2011)
Dr. Jeyabalan Sangeetha	<ul style="list-style-type: none"> National workshop on Applications of Genomic Tools in Plant Science, 8-12, August 2016 Central University of Kerala, Padanakkad, Kerala. UGC Sponsored workshop on Gas Chromatography and its Applications, 14 February, 2012, JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, Dharwad, Karnataka. National Academy of Biological Sciences Fourth Interactive Workshop on Biotechnology for Sustainable Development, 12-13 March, 2011, PRIST University, Thanjavur, Tamil Nadu, India.

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	95%
percentage of students doing projects in collaboration with other universities/industry/institute	5%

29. Awards/recognitions received at the national and international level by

Faculty	
Awardee	Award

Dr. Muthukumar Muthuchamy

- **‘Best paper’** at National Seminar on Water resources, development and Sustainable management, organised by JSS University, Mysuru and Bharathiar University, Coimbatore, Tamilnadu India (March 23, 2015).
- **International Travel Support**, DST New Delhi to present my Research findings at International conference on Renewable Energy from Organics Recycling, Columbus, Ohio, USA (October 20-23, 2013).
- **International Travel Support**, DST New Delhi to present my Research findings at the World Biotechnology Congress, Boston, USA (July3-5, 2013).
- **‘Best Paper’**, at National conference on Nanotechnology: Application and its Advantages in Natural Science, Organized by Sri Paramakalyani Centre of Excellence in Environmental Sciences, Manonmaniam Sundaranar University, Alwarkurichi, Tamilnadu, India (February 4-5, 2011).
- **‘Best Paper’** at International conference on Advanced Oxidation Processes, organized by Centre for Environment and Technology, Kottayam,

	Kerala, India (September 18-21, 2010).
Dr Rishiram Ramanan	<ul style="list-style-type: none"> • Exemplary Researcher Presidential Award 2015 – bestowed by President of Korea Research Institute of Bioscience & Biotechnology • Best Poster Award in the Global frontier conference held in South Korea in 2012. • Best Oral Presentation awarded by Korean Society of Environmental Biology, South Korea in their Annual Conference held in 2011
Dr. K. Sowjanya Sree	<ul style="list-style-type: none"> • International travel award by SERB, 2012 • Max Planck- India mobility grant, IGSTC and MPG, 2015-18 • Best Thesis Award, Andhra University, 2011
Dr. Jeyabalan Sangeetha	<ul style="list-style-type: none"> • Splendid Medal 2012 • DST Young Scientist 2015 • Award for Excellence in Bioresource Technology 2016
Students	
Awardee	Award
Mukesh Lal Das	Second prize in Spot Photography
Clinge P Jose	First Prize in Elocution
Salman Farissi A.K.	First Prize in Essay Writing

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
Earth Day Celebration	22.04.2016	Central University of Kerala	52
One Day National Seminar on “Water for All”	22.03.2016	Central University of	180

		Kerala	
One Day National Seminar Water Resources, Development and Sustainable Management	23.03.2016	JSS University and Bharthiar University	218
Environmental Conference	17.02.2014 to 19.02.2014	Central University of Kerala	180
Refresher Course on Environmental Studies	03.12.2014 to 23.12.2014	UGC-Academic Staff College, Bharathiar University,	32
Ecotechnologies for wastewater Treatment	January 21-22, 2014	UGC	170
One day Seminar on Wetland Ecology and Sustainable Resource Management	07.12.2012	Bharathiar University	58
Two days workshop on Facing Interviews Fearlessly	February 13-14, 2012	Bharathiar University	42

31. Code of ethics for research followed by the departments

Following the guidelines of the University

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	790	4	16	100	100
Ph.D.	16	3	5	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc		95%	5%	0%
Ph. D.	50%	20%	20%	10%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
-----------------	--------------------

Civil Services	
Defence Services	
JRF	2
NET	2
SET	0
GATE	1
KSCSTE Ph.D Fellowships	1
Others	0

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M.Phil		0 %
PG to Ph.D		10%
Ph.D. to Post-Doctoral		NA
Employed	Campus selection	0
	Other than campus recruitment	30%
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	
universities within the State	
universities from other States	100%
universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access

Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	2
Research Laboratories	1

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	
Name of Doctoral/PDF students or RA	Advisor
Name of Doctoral/PDF students or RA	Advisor
Abudakar Gado Abudakar	Dr. Muthukumar Muthuchamy
Mukesh Lal Das	Dr. Muthukumar Muthuchamy
Nadirsha P. S. Nawab	Dr. Muthukumar Muthuchamy
Mrs. Greeshma K.	Dr. Rishiram Ramanan
Ms. Alfiya Salam R.	Dr. K. Sowjanya Sree
Ms. Sharanya S.	Dr. K. Sowjanya Sree
Ms. Steffi Simmi Maxim	Dr. J. Sangeetha
Ms. Shreeshma P.	Dr. J. Sangeetha

40. Number of postgraduate students getting financial assistance from the university.

24

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Expert committee reports, consultative committee reports, workshop/seminars, academic committee approval and executive committee approval.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The board of studies consider the suggestion from the faculties and modifies the curriculum.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Students are giving feedback after each semester and department will

consider it to improve the performance of the department.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Nil

43. List the distinguished alumni of the department (maximum 10)

Not Applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

We invite external expert from outside to deliver the special lectures on Statistical Methods, Remote Sensing and GIS.

45. List the teaching methods adopted by the faculty for different programmes.

Demonstrations, seminars, workshop, laboratory experiments, assignments, quiz, field visit, Group discussion, case studies, project etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Students have cleared NET, GATE and Other competitive examinations. Continuous evaluation of effectively used.

47. Highlight the participation of students and faculty in extension activities.

INVITED LECTURES DELIVERED

Dr.Muthukumar Muthuchamy

- **Lecture** on “ Disaster Management” for the refresher course, organized by the UGC-Academic Staff College, Bharathair University, Coimbatore, Tamilnadu (26 September 2016)
- **Lecture** on “ E-Waste Management” for the refresher course, organized by the UGC-Academic Staff College, Bharathair University, Coimbatore, Tamilnadu (01 August 2016).
- **Lecture** on “Water for Sustainable Utilization” at Sri Krishna College of Technology, Coimbatore, Tamilnadu (09 July 2016).
- **Lecture** on “Curriculum development in Environmental Sciences -Constraints and challenges”, National Seminar on Curriculum Design and Development for student-centric Learning, organised by Srinivas Institute of Management studies, Karnataka (25-26 March 2016).

- **Lecture** on “sustainable production of electricity from industrial wastewater using microbial fuel cell techniques”, International Conference on Energy, Environment and Engineering, organised by Coimbatore Institute of Technology, Tamilnadu (29 Feb, 1-2 March 2016)
- **Lecture**, on “Microbial fuel cells treats wastewater and harvests energy-how?”, Kongunadu College of Arts and Science, Coimbatore, Tamilnadu (31st August, 2015).
- **Lecture**, on “Novel Nano-Catalysts – A Facile Route for Wastewater Treatment”, International Conference on “Recent Advancement in Nano Science and Technology”, organised by Sathyabama University, Chennai, Tamilnadu (8th July, 2015).
- **Lecture**, on “Bioelectricity production from Wastewater using Microbial Fuel cell technique”, organised by the Guru Nanak College, Chennai (31st March, 2015).
- **Lecture**, on “Basics of Global Warming” for the refresher course on Disaster Management, organized by the UGC-Academic Staff College, Bharathair University, Coimbatore, Tamilnadu (29th January, 2015).
- **Lecture**, International Conference on “Water: From pollution to Purification” Organized by Centre of Environmental Education and Technology and Mahatma Gandhi University, Kotayam, Kerela, (26th January 2015).
- **Lecture**, on “Global Warming” for the refresher course in Environmental Studies, organized by the UGC-Academic Staff College, Bharathair University, Coimbatore, Tamilnadu (22nd December, 2014).
- **Lecture**, on “Environmental Protection” organized by the Indian Red Cross Society, at Bharathiar University, Coimbatore, Tamilnadu (16th December 2014).
- **Lecture**, on “E-waste” for the refresher course in Chemistry, organized by the UGC-Academic Staff College, Bharathair University, Coimbatore, Tamilnadu (11th November, 2014).
- **Lecture**, National workshop on Biofuels and Bioenergy, “ Microbial fuel cells – green energy”, organized by St. College of Engineering, Chennai, Tamilnadu, (04th September, 2014).
- **Lecture**, on “Global Warming” organized by the Indian Red Cross Society and Youth Red Cross Society, at Bharathiar University, Coimbatore, Tamilnadu (12th March 2014).
- **Lecture**, on “Green Chemistry for Sustainable Wastewater Treatment” for the refresher course in Chemistry, organized by the UGC-Academic Staff College, Bharathair University, Coimbatore, Tamilnadu (28th August, 2013).
- **Lecture**, Faculty Development program on “Coloration and Finishing of Textiles”, organized by PSG College of Technology, Coimbatore, Tamilnadu (09, July 2013).

- **Lecture**, State level workshop on “Environmental Degradation”, organized by the Bharathi Women’s College, Chennai, Tamilnadu, (25th February 2013).
- **Lecture**, on “E-waste” for the refresher course in Computer Science and Applications, organized by UGC Academic Staff college, Bharathair University, Coimbatore (29th December, 2012).
- **Lecture**, National Seminar on “Application of Nanotechnology in Environmental Bioprocessing”, sponsored by CSIR, Kongu Engineering College, Perundurai, Erode, Tamilnadu, (21st July 2012).
- **Lecture**, National Seminar on “Textile dye effluents and its health impacts- a Bioremedial approach”, sponsored by ICMR, KSR college of arts and science, Trichengode, Tamilnadu, (15-16th February 2012).
- **Lecture**, “Disaster Management” at the DST summer training program, Avinashilingam Deemed University, Coimbatore, Tamilnadu (20th May 2011).
- **Lecture**, National conference on “Nanotechnology applications and its advantages in natural sciences” Organized by Sri Paramakalyani Centre for Environmental Sciences, Manonmanium Sundaranar University, Tirunelveli, Tamilnadu, (5th February, 2011).
- **Lecture**, on “Wastewater treatment” for the refresher course in Life Sciences, organized by UGC Academic Staff college, Bharathair University, Coimbatore, Tamilnadu, (25th November, 2010).
- **Presidential Address**, Green Initiative- Managerial issues and challenges” organized by Guruvaarappan Institute of Management, Coimbatore, Tamilnadu, (25th September, 2010).
- **Lecture**, National conference on “Nanotechnology: Current approaches and applications” Organized by Sri Paramakalyani Centre for Environmental Sciences, Manonmanium Sundaranar University, Tirunelveli, Tamilnadu, (06th February, 2010).
- **Lecture**, National conference on “Green Technology”, organized by the NGM College of Arts and Science, Pollachi, Tamilnadu (18th February, 2010).

Dr. Rishiram Ramanan

- Phenotypic and genotypic changes in starchless mutant of *Chlamydomonas reinhardtii* following stress. Korean Society of Environmental Biology Annual Conference, Daejeon, South Korea.
- Energy metabolism of algae under stress. Korea Society of Phycology Annual Conference, Wando, South Korea.
- Role of autophagy in regulating lipid and starch homeostasis in algae under stress. Asia-Oceanica Algae Innovation Summit, Daejeon, South Korea.
- The Unexplored aspects of unicellular algae: biology, ecology and

biotechnological potential. International Symposium on Potential of Bioresources and Utilization, Jeju, South Korea.

Dr. K. Sowjanya Sree

- Invited talk at Institute of Tropical Biosciences and Biotechnology, Chinese Academy of Tropical Agricultural Sciences, Haikou, Hainan, China (31st July to 9th August, 2016)
- Invited talk at 3rd International conference on Duckweed Research and Applications held at Kyoto University, Japan (3rd – 6th July, 2015)
- Invited talk at the National Conference on Genome Informatics held at SRM University, Chennai, India (21st-23rd January, 2015)
- Invited talk at Mahidol University, Bangkok, Thailand (24th to 27th March, 2015)
- Invited lecture at IPK Gatersleben, Germany (6th November, 2015)
- Invited talk at Graduate School of Biology, Kyoto University, Kyoto, Japan (3rd to 7th March, 2015)
- Invited talk at Institute of Tropical Biosciences and Biotechnology, Chinese Academy of Tropical Agricultural Sciences, Haikou, Hainan, China (7th to 12th October, 2014)
- Invited talk at Weizmann Institute of Science, Rehovot, Israel (17th to 26th May, 2014)
- Invited lecture at Institute of Plant Physiology, University of Jena, Germany (2nd to 11th November, 2012)

Students were participated in Swachh Bharat Paguwada programme,

Students were involved in celebrations of World Water Day, Earth Day, and World Environment Day.

Students were participated in the Forest conservation and awareness programme organised by the Kerala Forest Department.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Adaptation of school and village
- Eco club activities

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Curriculum aimed at imparting strong problem solving skills in students.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S- Internationally competing research activities, students' performance in competitive examinations, Publication of research papers, external funds through projects.

W- Lack of space and infrastructural facilities

O- Good students are available for admission. Train them for better results.

C- Constant improvement in academic quality and curriculum updating.

52. Future plans of the department.

- Create a Centre for Water Research,
- Introduction of Skill based Diploma and Certificate Courses,
- Adaptation of Village and Schools.
- Bringing up general infrastructure and research equipment
- Collaboration with various national/international research groups
- Attract research grants from various funding agencies
- Conducts National/international conferences, workshops, lectures etc. for discussing the recent technologies in the field of science and interaction with experts from various parts of the world.
- Improve the facilities for attracting more international students
- Public health awareness campaign against open plastic burning
- Workshop for school teachers and students to motivate students towards responsible and sustainable eco-friendly activities.



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF GEOLOGY
(SCHOOL OF EARTH SCIENCE SYSTEMS)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

Department of Geology

1. Name of the Department: Department of Geology
2. Year of establishment: 2016
3. Is the Department part of a School/Faculty of the university?
Yes. The Department is a part of the *School of Earth Science Systems*
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
M. Sc. Geology & Ph.D in Geology
5. Interdisciplinary programmes and departments involved
None
6. Courses in collaboration with other universities, industries, foreign institutions, etc. : None
7. Details of programmes discontinued, if any, with reasons:
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester - Choice Based Credit System
9. Participation of the department in the courses offered by other departments
Yes. In Elective Courses with other departments in the School of Earth Science systems.
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr. Sandeep K	M.Sc., CSIR-UGC-JRF-NET, Ph.D	Asst. Professor	Palaeolimnology, Palaeoclimate, Environmental magnetism, pedogenesis and pollution studies	4	Nil
Dr. Pratheesh P	M.Sc., CSIR-UGC-NET, Ph.D	Asst. Professor	Structural Geology, Igneous Petrology, Tectonics & Geoinformatics	3	Nil
Dr. Sijin Kumar A V	M.Sc., CSIR-UGC-NET, Ph.D	Asst. Professor	Marine Geology, Quaternary Climate and Oceanography and Marine Micropaleontology	9	Nil
Dr. Chandan Kumar B	M.Sc., CSIR-UGC-NET, Ph.D	Asst. Professor	Solid earth geochemistry, Magmatism, continental growth and tectonics through time	1	Nil

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc	5: 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Petrology and Tectonics, Solid Earth Geochemistry and Crustal Evolution, Geodynamics, Structural geology, Quaternary palaeoclimate, Micropaleontology, Paleoceanography, Environmental Magnetism, Palaeomagnetism, Hydrogeology, Remote sensing and GIS.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Faculty	Research Project	PI /Co-PI / Other	Date of Commencement	Date of Completion	Funding Agency	Amount Sanctioned
Dr. Sandeep K	A Study on Indian Monsoon Variability during Mid- to Late Holocene Period based on lacustrine sediments from Southern India	PI	28/03/2014	28/03/2016	University Grants Commission (UGC)	Rs. 1,70,000/-
Dr. Pratheesh P	Tectonic signature and PGE potential of gabbroic rocks in the Moyar-Bhavani and Achankovil shear zones, Kerala	PI	15.05.2014	30.07.2016	Kerala State Council for Science, Technology and Environment (KSCSTE)	Rs. 9,48,860/-

18. Inter-institutional collaborative projects and associated grants received

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International)	52 (published) 3 (accepted)
Monographs	0
Chapters in Books	2
Edited Books	0
Books	ISBN Publisher
Nil	
Total Number of Books	0
Number listed in International Database	5-7
Citation Index (Range)	5-42
Source Normalized Impact per Paper (SNIP)	1.069-2.431
SCImago Journal Rank (SJR)	0.919-4.949
Impact Factor (Range)	0.5-8.743
h-index (Range)	1-4

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Nil	Nil

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. Sandeep K	United Kingdom	Durham University (FLAIR Teaching-Learning and Research internship, Feb 2015)
	Switzerland	Physikalisch-Meteorologisches Observatorium, World Radiation Center (PMOD-WRC), Davos
Dr. Pratheesh P	Australia	IUGS
	Germany	Thermo R&D Lab, Bremen
	India	Kumaon University, Nainital BHU, Varanasi NCESS, Trivandrum

Dr. Sijin Kumar A V	U.S.A	Brown University (Raman Post Doctoral Fellow-2014-2015)
	Germany	GEOMAR, Kiel (FLAIR Fellowship, Feb 2016)
	Nepal	Small Earth Nepal, May, 2013

26. Faculty serving in

Faculty Serving in	Number	
National committees	Nil	
International committees	Nil	
Editorial Boards	2	<p>Dr. Sandeep K Editor-in-charge of 'GCK Science Letters' Science Journal published from Govt. College Kasaragod (2013-2016)</p> <p>Dr. Sijinkumar A V Editorial Board member of 'GCK Science Letters' Science Journal published from Govt. College Kasaragod</p>
Any other (please specify)	4	<p>Dr. Sandeep K</p> <ul style="list-style-type: none"> • Fellow of Geological Society of India • Member of YES Network (Young Earth Scientists Network) • Organising Committee member of 7th International Conference on Geoscience Education held at University of Hyderabad from September 5-9. <p>Dr. Pratheesh P</p> <ul style="list-style-type: none"> • Member of European Association of Geochemistry (EAG) • Member of YES Network (Young Earth Scientists Network) • Member of Structural Geology and Tectonics Study Group of India (SGTSGI) <p>Dr. Sijin Kumar A V</p> <ul style="list-style-type: none"> • Life Member of Geological Society of India <p>Dr. Chandan Kumar B</p> <ul style="list-style-type: none"> • Fellow of Geological Society of India • Member of Geochemical Society

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Sandeep K	1. Participated in NRDMS Sponsored Winter/Summer School Training Programme on "Geospatial Technology

	<p>- Significance, Applications and Beyond” at Department of Earth Sciences, Annamalai University, Chidambaram, Tamilnadu from 24/02/2016 to 15/03/2016.</p> <ol style="list-style-type: none"> 2. Orientation Programme (with ‘A’ Grade) sponsored by University Grants Commission (UGC) from 21/07/2015 to 17/08/2015 held at Human Resource Development Centre (HRDC), Kannur University, Kerala. 3. Refresher Training Programme organized by Fostering Linkages between Academic Innovation and Research (FLAIR), New Initiatives in Higher Education, Directorate of Collegiate Education, Government of Kerala from 15/07/2015 to 16/07/2015 held at Centre for Water Education, Thiruvananthapuram. 4. Five day residential training on ‘Good Learning’ organized by Fostering Linkages between Academic Innovation and Research (FLAIR), New Initiatives in Higher Education, Directorate of Collegiate Education, Government of Kerala from 18/11/2013 to 22/11/2013 held at Centre for Development Studies, Thiruvananthapuram. 5. Communication Skill Development Programme organized by Fostering Linkages between Academic Innovation and Research (FLAIR), New Initiatives in Higher Education, Directorate of Collegiate Education, Government of Kerala from 12/12/2014 to 13/12/2014 held at Maria Rani Training Centre, Thiruvananthapuram. 6. Faculty Development Programme organized and conducted by Teaching Learning Centre (TLC), IIT Madras from 4/8/2014 to 6/8/2014.
<p>Dr. Sijin Kumar A.V.</p>	<ol style="list-style-type: none"> 1. Participated 21 days of Refresher Course in ‘<i>Environmental Science</i>’ organised by Academic Staff College, University of Pune from 01-03-2013 to 21-03-2013 (21 days). 2. Attended one month training on “<i>General Orientation Course for College Teachers</i>” held at Academic Staff College, University of Pune from 03-03-2011 to 30-03-2011 (27 days). Underwent one week (04-06-2016 to 11-06-2016) Field Training Program on ‘<i>Geological Mapping and mineral exploration</i>’ at Geological Survey of India- Training Centre, Chitradurga. 3. Participated training program on “<i>IT Tools for Academics (Moodle)</i>”, conducted by ICT Academy of Kerala from 14-12-2015 to 15-12-2015 at Computer Centre, Kerala University, Trivandrum. 4. Participated two days <i>FLAIR (Fostering Linkages in Academic Innovation and Research) Induction Training</i>

	<p><i>Phase II</i> from 20-07-2015 to 21-07-2015 held at the Maria Rani Training Centre, Trivandrum.</p> <ol style="list-style-type: none">5. Attended three days <i>Faculty Development Program</i> organized and conducted by Teaching Learning Centre, IIT Madras from 04-08-2014 to 06-08-2014.6. Attended a Training Program on Environmental Management conducted by Kerala State Council for Science, Technology and environment on 13 Feb. 2014.7. Attended Five days Residential Training on '<i>Good Learning</i>' organised by Fostering Linkages in Academic Innovation and Research (FLAIR) from 18-11-2013 to 22-11-2013 held at the Centre for Developing Studies, Trivandrum.8. Attended Five days Induction Training Phase I organised by Fostering Linkages in Academic Innovation and Research (FLAIR) from 02-12-2013 to 06-12-2013 held at the Centre for Developing Studies, Trivandrum.9. Participated 21 days of Refresher Course in '<i>Environmental Science</i>' organised by Academic Staff College, University of Pune from 01-03-2013 to 21-03-2013 (21 days).10. Participated three days '<i>Training programme in General Informatics</i>' organized by Kerala State Higher Education Council at Govt. College Kasaragod from 4th to 6th August 2011.11. Attended one month training on "<i>General Orientation Course for College Teachers</i>" held at Academic Staff College, University of Pune from 03-03-2011 to 30-03-2011 (27 days).12. Participated three days <i>Training programme in General Informatics</i> organized by Kerala State Higher Education Council at Govt. College Kasaragod from 20th to 22nd December, 2010.13. Participated five days' workshop on '<i>Reconstruction of B.Sc. Geology Course</i>' held at Kannur University Campus and Dept. of P. G. Studies and Research in Geology, Govt. College Kasaragod from 19th to 21st and 25th to 26th February 2009 under the auspices of Kerala state Higher Education Council and Kannur University.14. Participated five days' workshop on '<i>Curriculum design for B.Sc Geology</i> held at Senate House, University of Calicut organised by Kerala state Higher Education Council and Calicut University from 10th to 12th February 2009.15. Attended four days' workshop on '<i>Analytical Instrumental Techniques Current Trends and Practices</i>'
--	---

	jointly organised by Regional Research Laboratory, Bhubaneswar and Indian Institute of Metals, Bhubaneswar Chapter held at CSIR-RRL, Bhubaneswar from 20 th to 23 rd June, 2006
--	---

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	NA
percentage of students doing projects in collaboration with other universities/industry/institute	NA

29. Awards/recognitions received at the national and international level by

Faculty	Nil
Awardee	Award
Dr. Sandeep K	<ul style="list-style-type: none"> •Awarded UGC-Raman Post-doctoral Fellowship (2016). However, declined the award to accept the position of Assistant Professor in Central University of Kerala. •Awarded International internship on Teaching-Learning and Research from 10/2/2015 to 8/3/2015 at Durham University, United Kingdom by Fostering Linkages between Academic Innovation and Research (FLAIR), New Initiatives in Higher Education, Directorate of Collegiate Education, Government of Kerala.
Dr. Pratheesh P	<ul style="list-style-type: none"> •KSCSTE Varghese Kurian Young Scientist Fellowship Award 2014 •Goldschmidt-2013 Grant from the Geochemical Society and the European Association of Geochemistry (2013) •International Union of Geological Sciences (IUGS) – GeoHost-Funded Delegate Programme (FDP) •Department of Science and Technology (DST-SERC)-International Travelling Assistance Grant (2012)
Dr. Sijin Kumar A.V.	<ul style="list-style-type: none"> ▪Awarded FLAIR Fellow Short term Research Fellowship to GEOMAR, Helmholtz Centre for Ocean Research, Kiel, Germany (Feb 2016). ▪Awarded “UGC-Raman Fellowship” for Post-Doctoral Research at Brown University, Providence, USA, 2014-2015. ▪Chairman, Board of Examiners (M.Sc. Geology) Kannur University from Jan 2016.

	<ul style="list-style-type: none"> ▪Chairman, Board of Examiners (B.Sc. Geology) Kannur University (2013-2014). ▪Board of Studies Member Geology (PG and UG), Kannur University (2011-2013). ▪Selected member “Policy Brief Writeshop for Early Career Researchers in South Asia” held at Kathmandu, Nepal, from 1-3 May 2014. ▪Best Research Paper Award - International Conference on ‘Changing Chemistry in Changing Climate: Monsoon (C4) held at IITM, Pune, 1-3 May 2013. ▪Selected member for the PAGES 2nd Young Scientist Meet and 4th Open Science Meet (Goa, 11-16 Feb 2013) PAGES, Switzerland. ▪Awarded Summer Research Fellowship from Indian Academy of Science, 2012. ▪Best Research Paper Award - International Conference on "Opportunities and Challenges in Monsoon Prediction in a Changing Climate”, IITM, Pune 21-25 Feb12.
Doctoral /Post-Doctoral fellows	Nil
Awardee	Award
Students	Nil
Awardee	Award

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Faculty	Event	Date	Source of Funding	Outstanding Participants
Dr. Sandeep K	Co-ordinator, National Seminar on “Emerging Trends in Sedimentological Research” held at Department of PG studies and Research in Geology, Govt. College Kasaragod	03/03/2016 to 04/03/2016	Director Collegiate Education, Trivandrum	College/University teachers, Higher secondary school teachers, Research Scholars PG students
	Co-ordinator, National Seminar on “Climate Change: The Past and the Present’ held at Dept. of Post Graduate Studies and	27/02/2013 to 28/02/2013	Director Collegiate Education, Trivandrum	College/University teachers, Higher secondary school teachers, Research Scholars PG

	Research in Geology Govt. College Kasaragod, Kerala			students
Dr. Sijin Kumar A V	Co-ordinator, National Seminar on 'Marine Mineral Resources' held at Dept. of Post Graduate Studies and Research in Geology, Govt. College Kasaragod; India	Feb. 2008	Director Collegiate Education, Trivandrum	College/University teachers, Higher secondary school teachers, Research Scholars PG students
	Organising committee member National seminars held at Dept. of Post graduate studies and Research in Geology, Govt. College Kasaragod; India.	Feb. 2010 Sept 2011 March 2012 Feb 2013 Nov. 2013 Feb. 2016	Director Collegiate Education, Trivandrum	College/University teachers, Higher secondary school teachers, Research Scholars PG students

31. Code of ethics for research followed by the departments

NA

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	37	9	8	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc	NA	100%	0%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	NA
Defence Services	NA
JRF	NA
NET	NA
SET	NA

GATE	NA
KSCSTE Ph.D Fellowships	NA
Others	NA

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M.Phil		Not Applicable
PG to Ph.D		Not Applicable
Ph.D. to Post-Doctoral		Not Applicable
Employed	Campus selection	Not Applicable
	Other than campus recruitment	Not Applicable
Entrepreneurs		Not Applicable

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	75%
universities from other States	25%
universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period.

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department, which are under the process of procurement.
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	1
Class rooms with ICT facility	0
Students' Laboratories	0
Research Laboratories	0

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	Nil
Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	Nil
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

M.Sc. Students: Students who secured top five ranks in the entrance test conducted for M.Sc. Geology Programme have been recommended by the Dept. for University scholarship.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

NA

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Strategy is being developed to take feedback from faculty on teaching-learning evaluation and curriculum. Also planning is being done on how to use this feedback effectively in improving the curriculum and teaching learning process.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

A course of action is being planned to take feedback from students on staff, curriculum and teaching-learning-evaluation in the form of questionnaires.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

It is planned to take feed-backs and inputs from the probable employers like Geological Survey of India, Central Ground Water Board, State mining Departments, Oil exploration and Geotechnical companies regarding contents of the curriculum. It is planned to incorporate these inputs while redesigning or restructuring the syllabus.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

It is planned to conduct special lectures, workshops and seminars involving external experts from within and outside Kerala.

45. List the teaching methods adopted by the faculty for different programmes.

M.Sc: We follow choice-based credit system for M.Sc. Students have the option of taking elective courses offered by sister department in the School of Earth Science Systems. The department is offering nine elective courses. The teaching-learning process involves contact hours using white-board and marker pen, student presentations, in-class and take-home assignments, self-preparation and reading. It is planned to engage classes using ICT tools and power-point presentations once the facilities become available. The evaluation of the student performance will be based on continuous assessment and end semester exams. The continuous assessments will include both formative and summative assessments. The activity and research oriented classes are being planned which would be introduced in due course of time. Survey, Geological Field Training and Field Geology are compulsory papers for M.Sc. students. As Geology is a field subject, 5-6 short field trips to geologically important areas will be organized in each semester.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Presently, the Department of Geology at CUK is only one month old. The formulation of Board of Studies is under process. Also strategy is being developed to ensure that programme objectives are constantly met and learning outcomes are monitored.

47. Highlight the participation of students and faculty in extension activities.

The various extension activities are being planned.

48. Give details of “beyond syllabus scholarly activities” of the department.

Currently, various extra-curricular activities are being planned by the Department.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

NA

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

The curriculum includes contents from syllabus of various competitive examinations such as UGC-CSIR NET and UPSC geologists and GATE. It also includes recent innovations and practices adopted by the industry especially in the fields of petroleum exploration, geo-technical, energy and mineral exploration. The curriculum of M.Sc. Geology Programme contains extensive field work, geological mapping, mine visits and it is designed in such a way that it is easier for the students to adapt in the role of professional geologists and geo-scientists.

At present the department has four faculty members specialised in different areas of Geology such as petrology, geochemistry, structural geology, Quaternary palaeoclimate, Paleoceanography, Marine Micropaleontology, environmental magnetism, palaeomagnetism, remote sensing and GIS. The faculty members are actively engaged in research in these thrust areas. One of the faculty members has foreign post-doc experience (Raman Post Doctoral Fellow, Brown University, U.S.A) and nine years of teaching experience under Dept. of Collegiate Education, Govt. of Kerala. Another faculty member has worked as professional geologist in Geological Survey of India with four years of teaching experience under Dept. of Collegiate Education, Govt. of Kerala. This helps in imparting professional training to students. The faculty members have vast research experience and published quality research papers in national and international journals. The faculty members have collaboration with various Indian and Foreign research institutes and Universities.

The department offers a basic course in Geology. The Kasaragod District has only one other PG department in Geology. Hence, the department provides another avenue for students from this educationally and economically backward district to pursue higher studies in Geology.

Weakness

The weakness we have at present is the inadequate infrastructure, laboratories, furniture, geological museum, mineral and rock specimens, instruments, equipments, microscopes which hinder the smooth running of the program. However, the books and journals needed have already been recommended to the librarian. Similarly, the indent for the purchase of laboratory instruments, microscopes, furniture and equipment also submitted. Many of the students are hailing from distant areas. Hence,

lack of hostel accommodation for the students also affecting their studies.

Opportunity

There is vast scope to establish and develop state of the art research laboratories by acquiring funds from various agencies like DST, UGC, CSIR, ISRO, SAC, KSTSCE etc. through research projects.

There is opportunity to equip the students to face the challenges in their professional career and mould them according to the needs of industry and research. There are several professionals working at ONGC, GAIL, GSI, DAE-AMD, ISRO and other private mining companies originally hailing from Kasaragod (Alumni of Govt. College Kasaragod, Geology department) are freely available for technical and Professional training and motivation classes.

Challenges

The lack of research aptitude and communication skills among students is a challenge. Geologically, the terrain in Kasaragod does not offer much variety. Hence, to impart training in variety of geological terrains is a major challenge. Another challenge is to help the slow learners and students with learning disabilities and bring them to main stream.

52. Future plans of the department.

The department has several future oriented visions such as, to become an international 'Centre of Excellence' in geosciences education and research, to create and effectively disseminate fundamental knowledge about earth and its resources, and to integrate, synthesis and apply scientific knowledge to societal problems. The project proposals would be submitted to various funding agencies for grants and instruments would be procured.

The Department plans to establish following post-graduate laboratories.

- Petrology and Mineral Optics Lab
- Geochemistry and Hydrochemistry Lab
- Sedimentology Lab
- Geoinformatics Lab
- Micropalaeontology Lab
- Geomorphology and Geoinformatics Lab
- Ore Geology Lab

In addition to these, the department plans to establish following research labs.

- **Quaternary Geology laboratory:** The initiation and development of Quaternary Geology laboratory is very relevant today particularly in

the wake of global warming and extreme climatic conditions reported from many parts of world. The past environmental and climatic conditions would be reconstructed by studying the sediment cores from lakes and oceans using a variety of techniques like environmental magnetism, organic and inorganic geochemistry, micro fossil studies, diffuse reflectance spectroscopy and particle size analysis. The instruments required for this study would be established in this laboratory. The paleoclimatic data would aid in building future climatic models which would be beneficial to agriculturists and policy makers. This will also benefit the general public in mitigating and preventing the adverse impacts of climate change.

- **Petrology Laboratory:** A model Petrological laboratory equipped with the most advanced basic petrological equipment's such as Polarizing/Incident light Microscopes, thin/polished section preparing unit, varieties of mineral-rock-ore specimens collected from different parts of the world would be established. The laboratory will also be equipped with an Electron-probe Micro Analyzer (EPMA). The probable users list from across the country and abroad will be made prior to setting up of this facility, owing to its high-cost maintenance.
- **Structural Geology Lab:** Department is planning to establish a structural geology laboratory equipped with Anisotropy of Magnetic Susceptibility (AMS) kappa bridge, Scanning Electron Microscopy Energy-dispersive X-ray spectroscopy (SEM/EDX) and electron backscatter diffraction (EBSD) instruments. This will be a great advantage for the researchers who are engaged in structural geology and crustal evolution studies.
- **Geochemistry Lab:** The Department is also keen to establish a world class geochemistry lab equipped with an advanced Laser Ablation- Multicollector Inductively Coupled Plasma Mass Spectrometer LA-MC-ICP-MS. This will give an abrupt improvement in the field of geochemistry and geochronology research in South India, where a dearth of adequate facility in this field is noticed very much. It is also planned to house a class 10K clean room for the isotopic studies.

The department will also collaborate with National and International Universities/Laboratories on research projects of global importance, and retrospectively, creating a platform for our departmental students for National/International exposure.

It is also planned to establish the World's Finest Geological Museum with a collection of rock, mineral and fossil samples from all over the world.



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF ECONOMICS
(SCHOOL OF ECONOMICS)

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

Department of Economics

1. Name of the Department: **Department of Economics**

2. Year of establishment: 2009

3. Is the Department part of a School/Faculty of the university?

Yes. The Department was part of the School of Global Studies. Presently it is under School of Economics vide order no. CUK/ACA/217/14/C1528 dated 07-07-2016.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M. A. Economics, Integrated M. Phil-PhD Economics & Direct Ph.D. Economics.

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

None

7. Details of programmes discontinued, if any, with reasons:

Integrated M.Phil. /Ph.D. program; discontinued in pursuance of the policy decision of the University.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester with Choice Based Credit System

9. Participation of the department in the courses offered by other departments

None

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	1
Associate Professors	2	2	1
Asst. Professors	4	4	4
Others	0	0	0

11. Faculty profile with name, qualification, designation, area of specialization, experience and

research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr. P. Abdul Kareem	M.A., M.Phil., Ph.D.	Associate Professor	International Economics	25	Ph.D -6 M.Phil - 3
Dr. Baiju K.C.(HoD)	MA, Mphil, PhD, PGDIM	Professor	Development Economics, Public Policy and Economic Planning	30	Ph.D-7(2Ph.D produced) M.Phil - 3
Dr. Anver Sadath C.	MA, PhD	Assistant Professor	Financial Economics, Macro Economics Energy & Environmental Economics	5	Ph.D- 4 M.Phil - 4
Dr. Joseph T.J.	M.A., Ph.D, PGDCA, PGDITM, PGDE, Post Doc	Assistant Professor	International Economics, Industrial Economics, Development Economics	14	Ph.D- 5 M.Phil - 4
Dr. Syam Prasad	M.A., M.Phil, Ph.D. Post Doc	Assistant Professor	Development Economics, Health Economics	4	Ph.D- 4 M.Phil- 3
Dr. Nagaraj V.	M.A., M.Phil, Ph.D.	Assistant Professor	Institutional Economics, Environmental Economics	3	Nil

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

None

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.A	

Department of Economics

2010-11	100%(Contract)
2011-12	100%(Contract)
2012-13	16.66%
2013-14	16.66%
2014-15	16.66%
2015-16	16.66%
2016-17	Nil
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.A	1:71
2010-11	1:6
2011-12	1:9
2012-13	1:7
2013-14	1:8
2014-15	1:7
2015-16	1:8
2016-17	1:9
M.Phil.	1:1.7
2010-12	1:1.6
2011-13	1:1.8
2012-15	1:1.6
Ph.D.	1:3.6
2012-13	1:1
2013-14	1:3.8
2014-15	1:4
2015-16	1:4.6

2016-17	1:4.8
---------	-------

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	-	0	2*
Administrative staff	-	0	0

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0	
	National	2	
Total grants received (in `)			
Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr.K.C Baiju	Problems of migrant women labourers in Kerala	Women's commission Government of Kerala	50,000
Dr. Anver Sadath.C	Re-examining the Relevance of MGNREGP in Kerala.	Central University of Kerala	1,50000
Total Grant Received			2,00000

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	Nil
	Nil	Nil
	Total Grant Received	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	Number	Name of the Facility
State recognition	Nil	Not applicable
National recognition	Nil	Not applicable
International recognition	Nil	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	42	
Monographs	6	
Chapters in Books	24	
Edited Books	0	
Books	ISBN	Publisher
1. 'Fiscal Decentralization and Urban Service Delivery in Kerala' by C Anil Kumar & K.C Baiju.	ISBN 978-81-8387-782-4	Serials Publishers, New Delhi, India, 2016.
2. 'Technology Transfer by Multinationals' by S.V. Hariharan, P Abdul Kareem and Rameshwar Tandon	ISBN 978-93-50-5022-9-7	B.R. Publishing Corporation, Delhi, 2015

3. 'Wage Employment and income in the plantation sector of Wayanad district' by K.C Baiju	ISBN 978-81-92-7973-5-9	NAS Publishers, Malappuram, Kerala, India, 2014.
4. 'A "Crisis in Making": The Pension System in India with Special Reference to Kerala', VDM publishers, 2010, by Syam Prasad	ISBN 978-3-639-24851-7	VDM publishers, Munich, Germany, 2010.
Total Number of Books		4
Number listed in International Database		
Citation Index (Range)		
Source Normalized Impact per Paper (SNIP)		
SCImago Journal Rank (SJR)		
Impact Factor (Range)		
h-index (Range)		

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Through registration in Conferences and Workshops	90,000/-

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Nil	Nil	Nil

26. Faculty serving in

Faculty Serving in	Number

	1
National committees	1. Dr. Syam Prasad is a Member, Working Group on Higher Education in Kerala under Kerala Planning Board since September 2016.
International committees	Nil
Editorial Boards	2
Any other (please specify)	1
Academic Council Member, Cochin University of Science and Technology	

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Anver Sadath. C	UGC Orientation Course at UGC-Academic Staff College, Calicut University, Thenjipalam, during 17-09-2014 to 16-10-2014
	Refresher Course in Economics at UGC-Academic Staff College, University of Kerala, Thiruvananthapuram during 06-11-2014 to 26-11-2014
Dr. Joseph T.J.	UGC Orientation Course at UGC-Academic Staff College, Kannur University, Dharmashala, Kannur during 01-01-2014 to 28-01-2014
	Refresher Course in Economics at UGC-Academic Staff College, University of Kerala, Thiruvananthapuram during 06-11-2014 to 26-11-2014
	Indialics Training Programme on Research Issues and Methods in Innovation Systems and Sustainable Development organized by Centre for Development Studies, Thiruvananthapuram during 14-03-2016 to 20-03-2016
Dr. Syam Prasad	UGC Orientation Course at UGC-Academic Staff College, University of Kerala, Thiruvananthapuram during 16-07-2015 to 12-08-2015.

28. Student projects

Name of the Faculty	% of Students
Percentage of students who have done in-house projects including inter-departmental projects	100
Percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	Nil
Awardee	Nil
Doctoral /Post-Doctoral fellows	1
Awardee	
Mr. Muhammedali K.A.	Selected by Dr. Ambedkar Foundation, Ministry of Social Justice and Empowerment, Government of India for Study Tour to London School of Economics during November 2015.
Students	6
Awardee	
Ms. Madhuri Pal	Summer Internship at Institute for Social and Economic Change (ISEC), Bangalore during May-June, 2013.
Ms. Sweety Thomas	Summer Internship at Centre for Development Studies (CDS), Thiruvananthapuram during May-June, 2013.
Mr. Syamjith T.S	Summer Internship at Centre for Development Studies (CDS), Thiruvananthapuram during May-June, 2013.
Ms. Aparna P	Summer Internship at Centre for Development Studies (CDS), Thiruvananthapuram during May-June, 2013.
Mr. Bennet Thomas	Summer Internship at Centre for Development Studies (CDS), Thiruvananthapuram during May-June, 2015.
Mr. Christopher KuruvilaMathen	Summer Internship at Centre for Development Studies (CDS), Thiruvananthapuram during May-June, 2015.
	Summer Internship at Centre for Development Studies (CDS), Thiruvananthapuram during May-June, 2015.

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Source of Funding	Outstanding Participants
<p>Three day International Conference on '<i>Economic Reforms, Growth and Sustainable Development</i>' during February 16-18, 2015. co-ordinated by Dr. T J Joseph & Dr. Syam Prasad</p>	<p>Partially sponsored by RBI, Mumbai</p>	<p>Prof. Govinda Rao, NIPFP, New Delhi. Prof. K. L. Krishna, MIDS, Chennai. Prof. K.P. Kannan, CDS, Thiruvananthapuram. Prof. S. Subramanian, MIDS, Chennai. Dr. Pulapre Balakrishnan, CDS, Thiruvananthapuram Dr. M. H. Suryanarayana, IGIDR, Mumbai. Dr. K. J. Joseph, Fellow, CDS, Thiruvananthapuram. Dr. Vinish Kathuria, IIT Bombay.</p>
<p>Six days National level workshop on '<i>Research Methodology and Academic Writing in Economics</i>' during January 19-24, 2015 co-ordinated by Dr. K C Baiju</p>	<p>CU Kerala</p>	<p>Dr. Vijayamohan Pillai, CDS, Trivandrum. Prof. Abdul Salim, Kerala University. Dr. Vinoj Abraham, CDS, Trivandrum.</p>
<p>Three day International conference on '<i>Public Policy and Governance in the Era of Globalization</i>' during February 12-14, 2014. co-ordinated by Dr. K C Baiju</p>	<p>Partially sponsored by RBI, Mumbai</p>	<p>Prof. Parasuram, TISS, Mumbai. Prof. Tapas K. Sen, NIPFP, New Delhi. Prof. J. B. Thilak, NUEPA, New Delhi. Prof. Akabaruddin Ahmed, Bangladesh. Dr. Lalitha Fernando, Sri Lanka. Prof. M. H. Suriyanarayana, IGIDR, Mumbai. Prof. M. Kunhaman, TISS, Mumbai Prof. Joseph Tharamangalam, Mount Saint Vincent University, Canada. Dr. Anuradha Balaram, Kerala State Planning Board.</p>
<p>Two-day training programme on '<i>Research issues and methods in India's Plantation sector</i>' during January, 27-28, 2014. Co-ordinated by Dr. T</p>	<p>Sponsored by CDS Trivandrum</p>	<p>Prof. K. Raviraman, Director, Institute of Applied Manpower Research, New Delhi. Dr. George V Thomas, Director, CPCRI. Prof. K J Joseph, CDS, Trivandrum. Prof. D Narayana, Kerala State Planning Board Dr. Rinju Rasaily, National Labour Institute.</p>

J Joseph & Dr.Syam Prasad		
Three-Day National Conference on ' <i>Economic Reforms, Growth and Social Welfare</i> ' during December 16-18, 2013. Co-ordinated by Dr.T J Joseph & Dr.Syam Prasad	CU Kerala	Prof. R. Nagaraj,IGIDR, Mumbai. Prof. M.H Suriyanarayana, IGIDR, Mumbai. Prof.S.Subramanian,MIDS, Chennai. Dr.Vinish Kathuria,IIT Bombay.
National Seminar on ' <i>Livelihood in a Globalizing World</i> ', in honour of Dr. Verghese Kurian on January 11, 2012. Co-ordinated by Dr.A M Ravindran	CU Kerala	Dr. Jeemol Unni Prof. K Narayanan Nair Mr. K.K. Harikurup
Two days National Conference on ' <i>Global issues and Local challenges to Development</i> ' during April23-24, 2010 Co-ordinated by Dr.A M Ravindran	CU Kerala	Prof.Prabhat Patnaik, Chairman,Kerala Planning Board. Prof. Errol Dsouza, IIM, Ahmadabad. Prof. P. K. Michael Tharakan, Vice Chancellor, Kannur University Prof. B A Prakash, Kerala University.

31. Code of ethics for research followed by the departments

As per the University Regulation.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected*		Pass percentage*	
		Male	Female	Male	Female
M.A.	311	9	15	88	93
M.Phil.	48	5	4	94	100
Ph.D. [@]	19	3.2	2.2	Pursuing	Pursuing

* Average for the assessment period

[@] Includes integrated M.Phil-Ph.D. for which separate applications are not called for.

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M.A.				
2010-12	0	95.83	4.16	0%
2011-13	0	100	0	0%
2012-14	0	86	14	0%
2013-15	0	100	0	0%
2014-16	0	91.6	8.3	0%
2015-17	0	80.76	19.23	0%
2016-18	0	80	20	0%
M.Phil/Ph.D				
2010	0	100	0	0%
2011	50	37.5	12.5	0%
2012	44.4	55.5	0	0%
Direct Ph.D.				
2013	0	100	0	0%
2015	0	0	100	0%
2016	0	50	50	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	9
NET	25
SET	11
GATE	0
KSCSTE Ph.D Fellowships	0
Others (Moulana Azad Fellowship)	4

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil.	12.5%
PG to Ph.D.	5%

Ph.D. to Post-Doctoral		Nil
Employed	Campus selection	Nil
	Other than campus recruitment	20 % (P.G) 15.4% (M.Phil)
Entrepreneurs		Nil

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	No
universities within the State	01
universities from other States	05
universities outside the country	00

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library.
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	2
Class rooms with ICT facility	2

Students' Laboratories	1
Research Laboratories	Nil

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	Nil
Name of Doctoral/PDF students or RA	Advisor
	Nil
From other institutions/ universities	Nil
Name of Doctoral/PDF students or RA	Advisor
	Nil

40. Number of postgraduate students getting financial assistance from the university.

M.A Students: 82/142

Programme	Students getting Financial Assistance	Total Students
MA		
2011-12	19	20
2012-13	24	24
2013-14	12	23
2014-15	9	24
2015-16	13	26
2016-17	5	25
Total	82	142

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Duly constituted Board of Studies develops the curricula and syllabi based on the interactive sessions with the faculty members, which is submitted to the Academic Council and Executive Council for the final approval.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Department of Economics

Yes. Through discussions in the Faculty Council and subsequent improvement in the course syllabus.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Regular feedbacks are collected from the students.

© Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes.

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Programme	External Experts	Date
2016-2017		
Public Lecture on ' <i>Comparing Global, Indian, and Kerala Labour Market: Emerging Patterns</i> '	Prof. Bino Paul, Professor, Tata Institute of Social Sciences (TISS), Mumbai.	September 29, 2016.
Public Lecture on ' <i>Role of 'peer-effect' in health issues among school children</i> '	Dr. Jebraj Asirwatham, Assistant Professor, Southern Illinois University, USA.	July 18, 2016.
2015-2016		
Fourth Prof. K.N. Raj Memorial Lecture on ' <i>Democracy, Development and Nationalism</i> '.	Dr. Amit Bhaduri, Professor Emeritus, PAVIA University, Italy and JNU, New Delhi.	December 11, 2015
One day seminar on ' <i>Politics and Development: A Critique on Indian Experience</i> '	Prof. Kunhaman M., Professor, Tata Institute of Social Science (TISS), Mumbai.	October 20, 2015.
2014-2015		
One day seminar on ' <i>Economy, Development and Society: Kerala</i> '	Prof. B.A. Prakash, Chairman, Kerala Public Expenditure Review	November 17,

<i>Experience</i> '.	Committee, Government of Kerala. Dr. Mary George, Member, Kerala Public Expenditure Review Committee.	2014
Fifth Foundation Day Lecture on ' <i>History of Economic Thought</i> '	Dr. M. Kabir, Former Associate Professor, Centre for Development Studies, Thiruvantahpuram	October 20, 2014
2013-2014		
Third Prof. K.N. Raj Memorial Lecture on ' <i>Power Sector Reforms in India</i> '	Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai.	March 27, 2014
2012-2013		
Public Lecture on ' <i>Kerala's Gulf Connections and its impact on Kerala Economy</i> '.	Dr. S. Irudaya Rajan, Professor, Centre for Development Studies, Thiruvananthapuram	September 28, 2012
One-day workshop on ' <i>National Sample Survey Organization (NSSO) Databases</i> '.	Prof. M.H. Suryanarayana, IGIDR, Mumbai. Dr Vinoj Abraham, CDS, Trivandrum Mr. P Sudhir Kumar, NSSO Calicut	November 1, 2012
Second Prof. K.N. Raj Memorial Lecture on ' <i>Historicizing Kerala's Development</i> '	Dr Michael Tharakan, former Vice Chancellor, Kannur University	March 4, 2013
2011-2012		
Public Lecture on ' <i>the Fixation of Bus fares in Kerala</i> '.	Dr. D. Narayana, Professor, Centre for Development Studies, Thiruvananthapuram	September 16, 2011
2010-2011		
'Strategies for Sustainable and Equitable Development of Kerala'		January 14, 2010

Two-day National Conference on ‘ <i>Global Issues and Local Challengers to Development</i> ’	Prof. Prabhat Patnaik, Chairman, Planning Board of Kerala. Prof. Errol Dsouza, Professor of Economics, IIM, Ahmadabad.	April 23-24, 2010
First Prof. K.N. Raj Memorial Lecture	Prof. K.J. Joseph, Professor, Centre for Development Studies (CDS), Thiruvananthapuram	February 10, 2011

45. List the teaching methods adopted by the faculty for different programmes.

M.A: We follow a holistic approach to inspire students involving: Lecture cum demonstration method referring standard textbooks and other relevant references, drawing on case studies, anecdotal evidences, field-based teaching, and hands-on method using real time databases, surveys and statistical packages.

Ph.D.: We follow collaborative learning methods through group discussions, debates, assignments, presentations, field works, etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our objective is to develop certain qualities and capabilities in learners such that enables the learners actively participate in the process of nation-building. Towards this objective, we have adopted a practice involving specific and general components in our curriculum. While the subject oriented pursuits constitute the specific components of the curriculum, frequent seminars, discussions, quiz programmes, field visits and interactions with local community constitute the general component of our curriculum. We conduct periodical evaluation of the learning outcomes for various courses using Choice Based Credit System. As an evidence of our mission some of our M.A Students have joined for Ph.D programs under various universities and premier institutions like IITs, IIMs and ICSSR Institutions across the country. Our Ph.D. students have attended several national and international conferences and workshops. As our department is located in the backward region of Kasaragod we met our mission to give higher education to the socially and economically backward students.

47. Highlight the participation of students and faculty in extension activities.

Our students are members and often office-bearers of the student council for past two years. In that way they organize a range of programs for the benefit of the student community in the campus. The department has started a career development club called DELTA to engage into the overall career development of students in the department. Under DELTA club, several career development activities have initiated including, training on personality development, classes for competitive exams like UGC-NET/JRF, discussions and debates on current affairs and Quiz Programs. Students have participated in field investigations on

various issues such as livelihood issues of fisherman community in Kasaragod, challenges of arecanut growers in Kasaragod, and socio economic backwardness of endosulfan victims in Kasaragod. Students have also participated in campus clean-up programs and blood donation camp in the university.

Extension Activity	Date
2015-2016	
Study tour of M.A. Economics (2014-16 batch) to visit premier educational institutions and places of national importance at Mumbai.	February 15-19, 2016
2014-2015	
Blood Donation Camp as part of 5 th Anniversary Celebration of the Department of Economics.	October 20, 2014
Field investigation by Post Graduate students on the problems of old age persons of Kasaragod district.	October 21-22, 2014
2013-2014	
Field investigation by Post Graduate students and Ph.D. Scholars on the socio economic conditions of fisherman community of Kasaragod district.	September 22-23, 2013
Study tour of M.A. Economics (2012-14 batch) to visit premier educational institutions and places of national importance at Chennai and Pondicherry.	October 23-27, 2013
2012-2013	
Field investigations by Post Graduate students and Ph.D. Scholars on the problems of Arecanut farmers in Kasaragod district.	March-April 2013
Focus group discussion on the problems of Arecanut farmers in Kasaragod district.	February 2013
Field investigation by Post Graduate students on the socio economic conditions of Endosulfan victims residing Enmakage Grama Panachayath, Kasaragod district.	October 27, 2012
2010-2011	

Interaction with visually challenged children at Govt. School for the Blind, Kasaragod by faculty & students of the Department.	October 19, 2010
---	------------------

Talks/Invited Lectures

Talks/Invited Lectures	Faculty Coordinator(s)	Date
Fourth Prof. K.N. Raj Memorial Lecture on 'Democracy, Development and Nationalism' by Dr. Amit Bhaduri, Professor Emeritus, PAVIA University, Italy and JNU, New Delhi.	Dr. Syam Prasad	December 11, 2015
6 th Anniversary (Foundation Day) Celebration of the Department of Economics	Dr. K.C. Baiju	October 20, 2015.
Third Prof. K.N. Raj Memorial Lecture on ' <i>Power Sector Reforms in India</i> ' by Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai.	Dr. T.J. Joseph and Dr. Syam Prasad	March 27, 2014
5 th Anniversary (Foundation Day) Celebration of the Department of Economics	Dr. P. Abdul Kareem and Dr. T.J. Joseph	October 20-21, 2014
Second Prof. K.N. Raj Memorial Lecture by Dr Michael Tharakan, on 'Historicizing Kerala's Development'	Dr. Syam Prasad & Dr. Joseph T.J.	March 4, 2013
Public Lecture on 'Kerala's Gulf Connections and its impact on Kerala Economy', by Dr. S. Irudaya Rajan, Professor, Centre for Development Studies, Thiruvananthapuram	Dr. Syam Prasad & Dr. Joseph T.J.	September 28, 2012
Public Lecture on 'the fixation of bus fares in Kerala' by Dr. D. Narayana, Professor, Centre for Development Studies, Thiruvananthapuram	Dr. A.M Ravindran	September 16, 2011
First Prof. K.N. Raj Memorial Lecture by Prof. K.J. Joseph, Professor, Centre for Development Studies, Thiruvananthapuram	Dr. A.M. Ravindran	February 10, 2011
Public lecture and classroom interaction by Prof. M.H. Suryanarayana, Professor, Indira Gandhi	Dr. A.M. Ravindran	September 23,

Institute of Development Research (IGIDR) Mumbai.		2010
--	--	------

Workshops and Training Sessions Conducted by Faculty

Workshops and Training Sessions	Faculty Coordinator(s)	Date
Six days National level workshop on ' <i>Research Methodology and Academic Writing in Economics</i> '.	Dr. K.C. Baiju	January 19-24, 2015
Two-day training programme on ' <i>Research issues and methods in India's Plantation sector</i> '	Dr. Syam Prasad & Dr. Joseph T.J.	January, 27-28, 2014.
One day Workshop on NSSO Databases	Dr. Joseph T.J., Dr. Syam Prasad, & Dr. Anver Sadath C.	November 1, 2012

48. Give details of "beyond syllabus scholarly activities" of the department.

- DELTA club for career development of students.
- Research Forum for PhD Scholars
- NET coaching for PG students
- Visit to 'Bud Schools' for endosulfan victims.
- Quiz programs

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Yes. The PG and Ph.D. Programmes of Department of Economics are approved by all the State and Central Universities in India.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The Department publishes a half-yearly journal 'Journal of Global Studies in Economics' (JOGSE) with ISSN 23-93-9974.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

Department of Economics

- Highly aspiring students from diversified background.
- Access to the national databases like Prowess, Census. NSSO, ASI etc.
- Well-equipped computer lab facilities with statistical packages for advanced econometric research.
- Experienced and competent faculty.

Weakness:

- Lack of collaborative research.
- So far no collaborations with industry, professional and government bodies.
- Lack of sufficient infrastructure and supporting system.
- Shortage of specialized teachers.

Opportunities

- Social and cultural diversity of the students.
- Collaboration with academic, professional and government bodies.
- Offer interdisciplinary courses and research.
- Become a benchmark for post graduate learning and research in economics in India.

Challenges

- Catering the needs of a heterogeneous group.
- Motivating and equipping the students with the changing conditions.

52. Future plans of the department.

- Institute (a) “Centre for Energy and Environment” (b)“Centre for Kerala Studies”. (c) “Centre for Human Development Studies”.
- Constitute a placement cell.

✱

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF EDUCATION
(SCHOOL OF EDUCATION)

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

Department of Education

1. Name of the Department: **EDUCATION**

2. Year of establishment: 2015

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Education

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M.Ed. Programme & Ph.D.

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

None

7. Details of programmes discontinued, if any, with reasons:

None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System

9. Participation of the department in the courses offered by other departments

Yes.

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor	2	2	2
Assistant Professor	4	4	4
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil students guided for the last 4 years
Dr. K. P. Suresh	M.A.(Psy), M.A. (Pol.Sci), M.A. (Soc), M.Ed., Ph.D., UGC- NET(JRF)	Professor & HOD	Measurement and Evaluation, Guidance and Counseling, Research Methods, Educational Psychology	23 Years	Ph. D - 10 (Awarded) 6 (On-going)
Dr. Amruth G Kumar	M.A. M.Ed. Ph.D., NET	Associate Professor	Economics of Education, Educational Psychology, Critical Pedagogy	15 Years	Ph. D - 04 (Awarded) 04 (Submitted) 02 (On-going)
Dr. Mohamedunni Alias Musthafa	M.Sc.(Zoo), M.Sc. (Psy) M.Ed. Ph.D., M.A. (Soc) NET(JRF)	Associate Professor	Teacher Education, Science Education, Early Childhood Care Education	20 Years	Ph. D - 04 (Awarded) 06 (On-going)
Dr. V. P. Joshith	M.Sc., M.Ed., Ph.D., NET	Assistant Professor	Educational Technology, Advanced Educational Statistics & Science Education	10 Years & 10 Months	Ph. D - 05 (On-going)
Dr. Mary Vineetha Thomas	M.Sc., M.Ed., Ph.D., NET	Assistant Professor	Educational Psychology, Special Education & Science Education	1 Year & 6 Months	Ph. D - 01 (On-going)
Dr. Thiyagu. K	M.Sc., M.Phil., M.Ed., M.Phil., Ph.D., NET	Assistant Professor	Educational Technology, Mathematics Education, Educational Research and Statistics	9 Years	Ph. D - 01 (On-going)
Dr. Vanitha. C	M.A. M.Ed., Ph.D., NET	Assistant Professor	Special Education & Social Science Education	2 Years	Ph. D - 01 (On-going)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M. Ed	Nil
Ph. D	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Ed	05 : 1
Ph. D	1.1 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	0	0	0
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Teacher Education and Teacher Training (PMMMNTT)

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0
	National	2
Total grants received (in `)		25,68,259/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Amruth G Kumar	Building a Framework for Classroom Based Critical Pedagogy: Lessons from selected Teachers Working in Higher Education Institutions	ICSSR	12,00,000/-
Dr. V. P. Joshith	Social Skills Intervention of Hearing Impaired Students	UGC	13,68,259/-

	with Emotional Behavioural Disorder (EBD)		
Total Grant			25,68,259/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	-
National	Nil	Nil
	Total Grant Received	-

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

PMMMNMTT- MHRD – 12,00,00,000/- Sanctioned (5,62,50,000 received)

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State Recognition	0	Not applicable
National Recognition	0	Not applicable
International Recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication		
Number of Papers Published in Peer Reviewed Journals (National /International)		195
Monographs		
Chapters in Books		19
Edited Books		-
Books	ISBN	Publisher
Technology and Teaching Learning Skill	9788178359090	KALPAZ Publications, Gyan Books
Assistive Technology and Inclusive Education	9781312808270	Laxmi Book Publications
Total Number of Books		8
Number listed in International Database		-
Citation Index (Range)		1-20
Source Normalized Impact per Paper (SNIP)		-

SCImago Journal Rank (SJR)	-
Impact Factor (Range)	1-5
h-index (Range)	1-2

23. Details of patents and income generated

Patent Details	Income Generated
-	-

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
-	-

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. Amruth G Kumar	Italy	CLUTE
Dr. V P Joshith	Singapore	NIE
Dr. K.P. Suresh	India	NCERT, UGC, NCTE
Dr. Amruth G Kumar	India	NCTE-SRC, CEC-UGC & NIT
Dr. Mohamedunni Alias Musthafa	India	NCERT
Dr. V P Joshith	India	NCERT & CEC-UGC
Dr. Mary Vineetha Thomas	India	NCERT

26. Faculty serving in

Faculty Serving in	Number
National committees	3
	Dr. K.P. Suresh, Visiting Team Member, NCTE
	Dr. Amruth G Kumar, Visiting Team Member, NCTE
	Dr. Mohamedunni Alias Musthafa, Visiting Team Member, NCTE
International committees	
Editorial Boards	9
	Dr. K.P. Suresh, Editorial Board Member of Research Track & Research Nebula
	Dr. Mohamedunni Alias Musthafa, Editorial Board Member of
	Dr. Amruth G Kumar, Editorial Board Member of International Journal of Education & Society, Managing for future, Frontiers in Education and Research

	Dr. K. Thiyagu, Editorial Board Member of Research Track & Research Nebula
Any other (please specify)	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. V.P. Joshith	Orientation Programme at ASC, Kerala University
	Refresher Course at ASC, Bharathiar University
Dr. Amruth G Kumar	Refresher Course at ASC, Pondicherry University
	Refresher Course at ASC, Calicut University

28. Student projects

Name of the Faculty	% of Students
Percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	5
Awardee	Award
Dr. K.P. Suresh	Eminent Educationist for the year 2015 instituted by Indus Foundation, New Jersey, USA
	Rotary Club award
Dr. Mohamedunni Alias Musthafa	Rajiv Gandhi National Excellence Award
Dr. Amruth G Kumar	Best Teacher Award from Pondicherry University, Best Paper Award from European Educational Conference held at Rome.
Doctoral /Post-Doctoral fellows	2
Awardee	Award
Dr. Amruth G Kumar	UGC Research Award
Dr. V.P. Joshith	UGC Research Award
Students	-
Awardee	Award

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
EDUSALVO	08.01.2016	CUK	-
National Seminar	28.01.2016 to 29.01.2016	CUK	-
Frontiers Lecture Series	22.01.2016	CUK	-
National Education Day	11.11.2016	CUK	-
Include the Excluded - Seminar		CUK	-

31. Code of ethics for research followed by the departments

Code of ethics formulated by university is followed.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Ed.,	144	14	20	NA	NA
Ph.D.	12	03	05	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Ed	03	24	07	-
Ph. D	00	07	01	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	-
Defence Services	-
JRF	-
NET	-
SET	02
GATE	-
KSCSTE Ph.D Fellowships	-
Others – CTET	03
KTET	01

35. Student progression

Student progression	Percentage against enrolled
---------------------	-----------------------------

UG to PG	-	
PG to M.Phil	-	
PG to Ph.D	-	
Ph.D. to Post-Doctoral	-	
Employed	Campus selection	-
	Other than campus recruitment	-
Entrepreneurs	-	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	00
universities within the State	04
universities from other States	03
universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	-
Ph. D	04
D.Sc.	-
D.Litt.	-

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	04
Class rooms with ICT facility	02
Students' Laboratories	01
Research Laboratories	-

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	

Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

M.Ed Students: 08

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

-

42. Does the department obtain feedback from

- (a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

YES. After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which is submitted to the AC for approval

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, The department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

NA

43. List the distinguished alumni of the department (maximum 10)

Not Applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Event	Date	Source of Funding
National Seminar	28 th & 29 th January 2016	CUK
Frontiers Lecture Series	22 nd January 2016	CUK
National Education Day	11 th November 2015	CUK
Include the Excluded - Seminar	4 th November 2015	CUK
Visit to Special School	September 2015	Department
Visit to Bio-Diversity Park	September 2015	Department

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture cum demonstration method
- Collaborative learning
- Co-operative learning strategies
- Team teaching approach
- e-learning
- Modular Approach
- Web-based Learning

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The objectives of the programmes are constantly reviewed. Evaluation report are collected from different stakeholders based on their opinion the programmes are frequently monitored and necessary changes are adopted to meet the learning outcome.

47. Highlight the participation of students and faculty in extension activities.

Name of the Faculty	Number of Extension Activities
Dr. K.P. Suresh	16
Dr. Mohamedunni Alias Musthafa	12
Dr. Amruth G Kumar	13
Dr. V P Joshith	08
Dr. K. Thiyagu	10

48. Give details of “beyond syllabus scholarly activities” of the department.

The department has conducted Popular Lecture Series for school students, teachers and prospective teachers in training colleges. The department is having a placement cell. In collaboration with ASAP the department had conducted skill development workshops for teachers & students.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Yes, Recognized by NCTE (Order No: SRCAPP/M.ED./KL/2013-14/57293. Dated: 03.03.2014)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The faculties of the department are constantly engaged in academic activities in the state as well as the national level for promoting knowledge, skills and competencies required for teacher to excel in their personal and professional life.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Full-fledged department with high profile faculties
- Strong Local linkage with institutions engaged in Teacher Education program
- Diversified methodology in teaching
- Individual recognition for the students
- Internship and certification in teacher education program
- National Cross section of Students' enrolment

Weakness:

- Distance from the main campus
- Administrative staff strength in the department
- Lack of international collaboration
- Entrepreneur Linkage with Research & Academics is needed
- Collaborative projects with other departments and universities to be encouraged.
- Lack of permanent infrastructural facilities

Opportunities

- Multidimensional Training for prospective teachers by redesigning Pedagogy
- Scope to become the centre of potential excellence
- Promotion of scholarly research in Teacher Education
- To act as an interdisciplinary platform by collaborating with other departments
- Synchronization in all levels of education systems through research orientation.

Challenges

- High paradigm shift in teacher education programme from one year to two year.
- Adopting new curriculum for the programme
- Department is just coming up from the infancy stage

52. Future plans of the department.

- To become Centre for Advance Studies in Education
- To Become Environment Friendly centre for Learning
- To come up within MOOC courses and Moodle.
- To start Programmes on Skill Development



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

**DEPARTMENT OF INTERNATIONAL
RELATIONS AND POLITICS**

(SCHOOL OF GLOBAL STUDIES)

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: Department of International Relations and Politics

2. Year of establishment: 2012

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Global Studies

4. Names of programmes offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., D. Sc., D. Litt., etc.)

M. A. International Relations and Political Science & Ph. D. International Relations

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc. :

None

7. Details of programmes discontinued, if any, with reasons:

Integrated M. Phil. /Ph. D. programme discontinued with the start of direct Ph. D. programme and also as a part of the University's policy.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit and Semester System

Choice Based Credit and Semester System

9. Participation of the department in the courses offered by other departments

No. But once the UGC sanctions the Women's Studies Centre, we will offer students elective courses from that centre.

10. Number of teaching posts sanctioned, filled and actual:

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	2	1	1

Asst. Professors	4	4	4
Others			-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs)	Ph. D. / M. Phil. Guidance
Prof. John Stephen Moolakkattu	MA, M.Phil, Ph.D	Professor and Head, Department of International Relations, Dean, School of Global Studies, Dean, School of Social Sciences & Director of Research	International Relations Theory, Peace and Conflict Resolution Studies, Gandhi, Local Governance, African Political Economy, Northeast India	33 years	18 Ph.Ds (awarded) 6 currently enrolled (5 at M University and 1 at Central University of Kerala) 15 M.phils awarded
Dr. Jayaprasad K	MA, Ph.D	Associate Professor, Finance Officer i/c Member, Executive Council, Central University of Kerala Dean, School of Cultural Studies (DSCS) Director,	Nationalism, Indian Constitution, National Politics and Foreign Policy	25 years	5 Doctoral Students

Department of International Relations and Politics

		Mahatma Ayyankali Centre for Kerala Studies			
Dr. Reinhart Philip	MA, M.Phil, PhD	Assistant Professor, Head of the Department i/c, Capital Centre, Thiruvananthapuram Warden, Mens' Hostel, Capital Centre, Thiruvananthapuram	Water Governance, International Political Economy and Human Rights	2 years and 10 months	
Dr. Lal Ji Pal	MA, M.Phil, PhD	Assistant Professor	Theories of International Relations (Indian and Western), Political Development, Foreign Policy, Central Asia.	9 months	2 Doctoral Students
Dr. Gilbert Sebastian	MA, M.Phil, PhD, PDF	Assistant Professor	Political Economy of Development, Kerala Studies, People's Rights, and People's Movements.	9 Months	-
Dr. Uma Purushothaman	MA, M.Phil, PhD	Assistant Professor	International Relations, US Foreign and Domestic Policies, Great Power Politics	9 Months	2 Doctoral Students

Guest Faculty/ Deputation Faculty from 2012 to November 2015					
Dr. Girishkumar R (Up to 14 th January 2015).	M. A, Ph. D., LLB	Assistant. Prof on Deputation	International Political Economy	6 years	
Dr. Jitha S R	MA, M. Phil., Ph. D., MPA, PGDHR.	Asso. Prof, on Deputation	Public Administration	21 yrs and 10 months	
Dr. Jayaprasad	M. A., Ph. D.	Asso. Prof, on Deputation	Political Thought	21 yrs and 10 months	
Dr Reinhart Philip (from 21 October 2015)					
Dr. Annie Joseph	M. Phil., Ph. D.	Guest Faculty	International Organisation	3	
Dr. Divya Balan	M. Phil., Ph. D.	Guest Faculty	International Relations Theory	3	
U. P. Anilkumar	M. A., NET	Guest Faculty	Administrative Theory, Research Methodology	3	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

One Visiting Professor: Ambassador T. P. Sreenivasan, Former Vice-Chairman, Kerala Higher Education Council

13. Percentage of classes taken by permanent faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M. A	Nil
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. A	7:1
Ph. D.	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	0	0	0
Administrative staff	0	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

International law, diplomacy, defence studies, national/international security, diaspora studies, public policy, constitutionalism, global governance, decentralized planning, administration, environmental sustainability, gender and human rights, peace and conflict studies.

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	
	Total Grant Received	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc. ; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	1	Kerala Institute of Local Administration, Thrissur as recognised research centre of the department.
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	56	
Monographs	0	
Chapters in Books	18	
Edited Books	2	
Total Number of Books	15	
Books	ISBN	Publisher
M.S. John(co-edited) <i>Territoriality, Citizenship and Peacebuilding: Perspectives on Challenges to Peace in Africa</i> , 2013	9781909112261	London: Adonis Abbey
	8189654977	Daanish Books, Delhi, ©

Manoranjan Mohanty, K B Saxena, Gilbert Sebastian , Prashant K Trivedi 2011: <i>Weapon of the Oppressed: An Inventory of People's Rights in India</i>		Council for Social Development, New Delhi
Uma Purushothaman (Coauthored) <i>Trends in Russia-China Relations: Implications for India</i> , 2015	978-81-86818-11-4.	New Delhi: Observer Research Foundation
Uma Purushothaman (Edited), <i>Globalisation and Identity: Perspectives from India and Russia</i> , 2014	978-81-241-1791-0	New Delhi: Har-Anand, Observer Research Foundation and Experimental Creative Centre
Dr. Jitha S R and Dr. Reinhart Philip <i>Higher Bureaucracy and Social Change</i>	HB:ISBN 978-935128001-9	Kalpaz Publications, New Delhi
Dr. K. Jayaprasad, <i>Sadahana Padham (Malayalam)</i>	yes	BharatheeyaVicharaKendram, Thiruvananthapuram
Dr. K. Jayaprasad, Co-Editor <i>"EkatmaManavaDharshanam-DharshanaSamvadam (Mal.)</i> ,	yes	BharatheeyaVicharakendram Thiruvananthapuram
Dr. Reinhart Philip, <i>Water Governance in Kerala</i>	978-935128001-9HB: ISBN 978-93-83763-16-0; PB: ISBN 978-93-83763-17-7	Centre for Agricultural Informatics, Trivandrum
Dr. Divya Balan, <i>Uniform Civil Code and Secular India</i>	ISBN 978-81-927528-6-0	Siansu Publications, Trivandrum
Dr. Annie Joseph, <i>South African Issues in the Commonwealth</i>	ISBN 978-81-927528-5-3	Siansu Publications, Trivandrum
Shameem C C , <i>Bricking the BRICS: A Case of Interdependence in Globalised Era</i> , 2014	8788192752877	Siansu Publications, Trivandrum

Shameem C C (Co-authored), <i>India and South Asia: A Study with Reference to SAFTA</i> , 2015	9783659769597	Lampart Academic Publications, Germany
Number listed in International Database		-
Citation Index (Range)		Over 320 citations
Source Normalized Impact per Paper (SNIP)		-
SCImago Journal Rank (SJR)		-
Impact Factor (Range)		-
h-index (Range)		0-10

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Nil	Nil

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

1. Prof. M.S John was awarded the Commonwealth Academic Staff Scholarship (UK) 1991.
2. Prof M.S John received the Fulbright Visiting Lectureship 2005 in Political Science and taught at East Mennonite University, Harrisonburg, Virginia, US 2005.
3. Prof. M.S John was awarded the Commonwealth Fellowship 2003-2004 in Political Science (Visiting Research Fellow, Richardson's Institute of Peace Studies, Lancaster University)
4. Prof M S John was selected by the GOI (ICCR) to be the inaugural Gandhi-Luthuli Chair in Peace Studies, University of KwaZulu-Natal, Durban, South Africa (2008-10)

4. Dr Gilbert Sebastian was Visiting Scholar at Queen Elizabeth House (QEH), Oxford during mid-March to mid-June 2002;

5. Dr Uma Purushothaman was selected by the US State Department to represent India at the Georgetown Leadership Summit in 2013.

6. Dr Uma Purushothaman was selected by the Public Diplomacy Division of NATO for a study tour and conference at the NATO Headquarters in Brussels, Belgium, 4-7 March 2013.

26. Faculty Serving in

Committees	Number
National committees	Nil
International committees	1- Prof M.S. John was a member of the International Centre for non- violence, Durban, South Africa from 2008-2010
Editorial Boards	5 1. Prof.(Dr).John Stephen Moolakkattu, Editor <i>Gandhi Marg</i> (topmost journal in Gandhian Studies published from New Delhi since 1957); (ISSN: 016-4437) since 2005 2. Prof.(Dr).John Stephen Moolakkattu, founding Co-Editor of <i>Ubuntu: Journal of Conflict and Social Transformation</i> , ISSN: 2078-760X, Department of Politics, Kwazulu-Natal, Durban 3. Dr. K. Jayaprasad, Editor <i>Pragathi</i> Quarterly Research Journal, (ISSN 0973-377x) since 2007 4. Dr. K. Jayaprasad, Co-Editor <i>Ekatma Manava Dharshanam- DharshanaSamvadam</i> (Mal.) 5. Dr. K. Jayaprasad, Associate Editor, <i>South Asian Journal of Socio-Political Studies</i> (ISSN: 0972-4613)
Any other (please specify)	Prof. M.S. John served as the reviewer for articles in journals such as <i>International Political Science</i>

Committees	Number
	<p><i>Review, International Negotiation and Critical Security Studies.</i></p> <p>Dr Uma Purushothaman was a reviewer for an article in the <i>Journal of Defence Studies</i> published by IDSA.</p>

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme Attended
Prof. M.S. John	<p>Refresher Course, Kerala University 1996</p> <p>Orientation Course on International Relations, ASRC, 1988</p>
Dr. K Jayaprasad	<p>Orientation Course, 11th December 1997 to 7th January 1998, Kerala University, Trivandrum, UGC</p> <p>Refresher Course, 7th March 2000 to 28th March 2000, Kerala University, Trivandrum, UGC</p> <p>Refresher Course, November 2004, M. G. University, Kottayam, UGC</p> <p>Refresher Course, 24th February 2009 to 28th February 2009, Kerala University, Trivandrum, UGC</p> <p>Workshop on Curriculum Development, 24th February 2009 to 28th February 2009, Kerala University, Trivandrum, UGC</p>
Dr Lal Ji Pal	<p>Appreciation Course on 'Parliamentary Processes and Procedures', Conducted by Lok Sabha Secretariat, New Delhi, 2-6 May 2016.</p>
Dr. Jitha S R	<p>Orientation Course, October, November 1995, Kerala University, Trivandrum, UGC</p> <p>Refresher Course, 1st to 31st May 2002, M. G. University, Kottayam, UGC</p> <p>Refresher Course, 22nd February to 23rd March 2003, JNU, New Delhi, UGC</p>

Name of the Faculty	Programme Attended
	Refresher Course, November 2004, M. G. University, Kottayam, UGC
	Workshop on Sensitivity Awareness and Motivation in Higher Education, 6 th February to 10 th 2012, S. B. College, Alappuzha, UGC

28. Student Projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100%
percentage of students doing projects in collaboration with other universities/industry/institute	25 with KILA

29. Awards/recognitions received at the national and international level by

Faculty	<ul style="list-style-type: none"> ▪ 3 JRFs awarded by UGC-Dr Gilbert Sebastian, Dr Reinhart Philip and Dr Lal Ji Pal ▪ 3 PDFs-2 Dr Radhakrishnan Post Doctoral Fellowships for Dr Lal Ji Pal and Dr Reinhart Philip; ▪ 1 PDF awarded by ICSSR to Dr Gilbert Sebastian ▪ Prof. M.S. John received the <i>Rashtriya Gaurav Award</i> from the India International Fellowship Society, New Delhi
Doctoral/Post-Doctoral fellows	
Students	<p>3 JRF Equivalent Awards</p> <ol style="list-style-type: none"> 1. UGC Rajiv Gandhi Fellowship for SC/ST students-Narayana S. 2. UGC Maulana Azad National Fellowship for Minority Students-

	Shameem C C 3. UGC Swami Vivekananda Scholarship for single girl child- Ms Aleena Thomas
--	---

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
Quiz on 'India's Struggle for Impendence 1757-1857'	18 August 2016	CUK	16 Departments
Civil Service Coaching class	3 August 2016	CUK	Adv. S. Jayasuryan
Planting of trees around Department	19 July 2016	Individual contributions	
Special Lecture, 'Look West in India's Foreign Policy'	11 April 2016.	Ministry of External Affairs and CUK	Amb. M Ganapathi, Former Secretary (West), Ministry of External Affairs, Government of India
Celebration of International Women's Day	8 March 2016	CUK	Dr Anu Unni, University of Kerala
National Seminar on 'Act East Policy and the Changing Dimensions of India's Foreign Policy'	18th & 19th February 2016	CUK	Prof. Abdul Nafey, Jawaharlal Nehru University
Special Lecture, 'India and United Nations'	8th and 9th February 2016.		Amb. T.P. Sreenivasan
Special Lecture on	20th to 22nd		Dr. Dattesh Parulekar,

Event	Date	Source of Funding	Outstanding Participants
‘India-China Relations in the 21st Century’	January 2016.		Assistant Professor, Goa University
One week Internship Program at KILA on Rural Urban Development and Local Governance			
Hiroshima Day Commemoration	6 August 2015		
Youth Day Celebrations	12 August 2015		
Short Film on APJ Abdul Kalam			
Teachers’ Day Celebrations	5 September 2015	CUK	
Short Film on Bhagat Singh’s Martyrdom	23 March 2015	CUK	
“Budget Analysis” Debate and discussions over the Union Budget 2015.	17 March 2015	CUK	
Inauguration of CUK Research Centre at KILA.	10 March 2015.	At KILA	
Observance of International Women’s Day. Women in public sphere;	9 March 2015		An experience shared by Leelakumari Amma, prominent activist on Endosulfan issues, Skit, Exhibition
Lecture Series.	12 February 2015	CU-Kerala	Prof. Sooryanarayanan
Special Lecture	11 February	Ministry of	Amb. Ashok Sajjanhar

Event	Date	Source of Funding	Outstanding Participants
“Look East to Act East”.	2015	External Affairs and CUK	
Condolence Meeting on Rajani Kothari.	19 January 2015	CUK	
Three day Lecture series	12, 13, 14 January 2015	CU-Kerala	Dr. A K Verma, Kanpur University
National Seminar on Good Governance	18 December 2014	CU-Kerala	Dr. P. L. Dharma Prof. Head, Dept. of Political Science, Mangalore University Dr. D. Sajith Babu Deputy Collector and Domain Expert, National Centre for Land Governance
Observance of Human Rights Day. Debate on Human Rights of Weaker Section.	10 December 2014	CUK	
Observance of World Aids Day Awareness programs; Red ribbon tagging.	1 December 2014	CUK	
National seminar on ‘Kerala Society in the 21 st Century’	25 November 2014	CU-Kerala	Dr. P. Mohanachandran Head, Dept. of Demography & Director, Population Research Centre, University of Kerala
“UN Day Celebration”. Exhibition	29 October 2014	CU-Kerala	

Event	Date	Source of Funding	Outstanding Participants
“Glimpses of UN” .			
Special Lecture by on UN@70. United Nations Foundation day	24 October 2014	CU-Kerala	Amb. T. P. Sreenivasan
Lecture Series by Visiting Professor Amb. T. P. Sreenivasan.	29 September 2014	CU-Kerala	Amb. T. P. Sreenivasan
International Peace Conference.	24 September 2014	CU-Kerala	Dr. Chung Sik Yong Dr. Robert Kittel
International Seminar on India and International Organisations	20-22 March 2013	CU-Kerala	Ernst Ulrich Petersmann, Professor, European University Institute, Italy
Human Rights Day celebration	14 Dec. 2012	CU-Kerala	

31. Code of ethics for research followed by the departments

Ph. D. regulations are strictly followed

Anti-plagiarism measures are taken. Library has anti plagiarism software.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. A International Relations (2012-14)	NA	7	15	85.71%	100%
MA International Relations (2013-15)	NA	9	13	77.78%	69.23%
M. A International Relations (2014-16)	NA	10	10	70%	80%

M. A International Relations (2015-17)	NA	7	18	Current batch	Current batch
M. A International Relations (2016-18)	NA	13	11	Current batch	Current batch

* Average for the assessment period

33. Diversity of students. Percentage of students from

Programme	Same University	Universities within the State	Universities Outside the State	From Other Countries
M. A International Relations (2012-14)	NA	100	0	0
M. A International Relations (2013-15)	NA	82	9	9
M. A International Relations (2014-16)	NA	90	10	0
M. A International Relations (2015-17)	NA	96	4	0
M. A International Relations (2016-18)	37.5	42.17	20.83	0

Programme	Same University	Universities within the State	Universities Outside the State	From Other Countries
Ph.D-2013	0	100	0	0
Ph. D-2014	100	0	0	0
Ph. D-2015	62.5	37.5	0	0
Ph. D-2016	33.33	66.67	0	0

Programme	Same University	Universities within the State	Universities Outside the State	From Other Countries
-----------	-----------------	-------------------------------	--------------------------------	----------------------

M.Phil. International Relations	NA	100	0	0
---------------------------------------	----	-----	---	---

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	0
NET	2
SET	5
GATE	0
KSCSTE-Ph. D. Fellowships	Non-NET UGC (17), RNF-UGC (1), MANF-UGC (1), SVSGC-UGC (1)
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG (M. A International Relations, 2016-18)	37.5%	
PG to M. Phil.	0	
M. Phil to PhD	25%	
PG to Ph. D.	25 %	
Ph. D. to Post-Doctoral	0	
Employed	Campus selection	0
	Other than campus recruitment	1 (Railway) 2 (Assistant Professor) 1 (Teacher)
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	33.3%
universities from other States	50%
universities outside the country	16.6%

37. Number of faculty who were awarded M. Phil., Ph. D., D. Sc. and D. Litt. during the assessment period

Degree	Number of Faculty
M. Phil.	2*
Ph.D	4(1* and 3 permanent faculty)
D. Litt.	Nil

*guest faculty

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books and journals has been recommended by the faculty council of the department time to time. Most of them have been acquisitioned by the main library
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class rooms	3
Class rooms with ICT facility	3
Students' Laboratories	1 Computer Lab is functioning
Research Laboratories	NA

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	6
From other institutions/ universities	Nil
Name of Doctoral/PDF students or RA	Advisor
Dr Reinhart Philip (Dr S Radhakrishnan Post-Doctoral Fellowship awarded by UGC)-from 22.10.2015-10.11.2015	Dr Jitha S R
Arun K V	Prof. John S. Moolakkattu
Narayana S	Dr K Jayaprasad
Aleena Thomas	Dr K Jayaprasad
Shameem C C	Dr K Jayaprasad
Jitesh Balakrishnan	Dr Lal Ji Pal
Anagha Babu	Dr Uma Purushothaman
Sandeep E	Dr Lal Ji Pal
Mohammed Nooruddeen	Dr Uma Purushothaman
Shibin Sebastian	Dr K Jayaprasad
Pooja S	Dr K Jayaprasad

40. Number of postgraduate students getting financial assistance from the university.

M. A. Students : 10/45

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes. In expert committee meetings and Consultation committee meetings.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Regular feedback is taken from faculty meetings. Changes are incorporated as per feedback

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Feedback is collected regularly. Changes are incorporated as per the feedback.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

The process of starting alumni association is going on.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

1. Purpose, Name of the visitors, Designation, Date, Month and Year of visit
2. Special Lecture, Krishnanunni IAS., 10th August 2012
3. International Seminar, T. P. Sreenivasan, Chairman, Centre for Diaspora Studies, 20-22 March 2013
4. Universal Peace Foundation celebration., Dr. Chung Sik Yong, Chairman, UPF-Asia, 24th & 25th September 2014
5. Universal Peace Foundation celebration., Dr. Robert S Kittel, Director of Education, UPF-Asia, 24th & 25th September 2014
6. Special Lecture, Amb. T. P. Sreenivasan, Chairman, Kerala State Higher Education Council., 29 September 2014
7. Special Lecture, Dr. A K Verma., Professor, Kanpur University, 12, 13, 14 January 2015
8. One Day Bi-Annual Diplomatic Lecture Series, Amb. Ashok Sajjanhar, Secretary, National Foundation for Communal Harmony, Ministry of Home Affairs, 11 February 2015
9. One Day Diplomatic Lecture, Prof. Sooryanarayanan., Chair Professor, Nelson Mandela Chair, School of IR, M. G. University, Kottayam, 12 February 2015
10. Observance of International Women's Day, M. Leelakumari Amma, Reputed Endosulfan Activist, 9 March 2015

45. List the teaching methods adopted by the faculty for different programmes.

M. A: Lectures, Group discussions, Seminar Presentations, Class tests, Quiz, Student presentations, Paper, Assignments, Examinations, field course, etc.

Ph.D: Lectures, Student presentations, Paper discussions, Assignments, Examinations, field work

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through continuous assessment of the progress of students and creating opportunities for them to interact with the leading scholars of the subject from different states of the country and abroad, the objectives of the course and learning outcomes are continuously monitored.

47. Highlight the participation of students and faculty in extension activities.

Students organize a range of programmes for the benefit of the student community in the campus. Our students took the initiative to form nature club, film club, discussion forum, etc. They observe Gandhi Jayanthi, AIDS day, *Swaccha Bharat* etc. We also conduct NET training programmes every week.

One week Internship Program at KILA on Rural Urban Development and Local Governance co-ordinated by UP Anilkumar. Fifteen students from 2nd Year MA (2013-15) have attended the programme certified by KILA.

The following programmes were conducted by the students of the department.

1. 5 September 2014 - Teachers day celebration: Remembering Dr. S. Radhakrishnan: The Indian Pioneer.
2. 24 October 2014 – Swaccha Bharat programme
3. 14 November 2014 – Children’s Day Celebration: Jawaharlal Nehru; The Architect of India’s Foreign Policy

Conference/Seminars/Workshops Attended by the Faculty Members and students.

4. Prof. M S John Delivered the key note address at the National Seminar on “Gandhi’s Life and Thought” organized by the Department of History and Centre for Gandhian Studies, Tripura Central University on 7 April 2016.
5. Prof.(Dr.) M. S. John, ‘Terrorism & International Criminal Court’, 15 March 2016, Capital Centre, CUK Special Lecture
6. Prof.(Dr.) M. S. John, ‘Gandhian Approach to Conflict Resolution’, 14 March

2016, NSS College, Changanasseri, Invited Lecture

7. Prof.(Dr.) M. S. John, 'Gandhian insights on Technology for a basic- needs model of rural development, 10th March 2016', Department of Social Work, SSUS, Payannur, Invited Lecture
8. Prof.(Dr.) M. S. John, "From Look East Policy to Act East Policy", 18 & 19 February 2016, Department of International Relations, Central University of Kerala, Chaired a Session.
9. Prof.(Dr.) M. S. John, "Conflict Resolution Perspective on India's Foreign Policy", at a UGC National Seminar on "Changes in Global Politics and Reimagining of India's Foreign Policy", The Post Graduate Department of Political Science, Panampilly Memorial Government College, Chalakudy, Thrissur, Kerala, 7 January 2016, Paper presentation.
10. Dr. K. Jayaprasad, 'India's Neighborhood Policy: Emerging Trends in Indo-Pak Relations', 18 & 19 February 2016, Department of International Relations, Central University of Kerala, Paper presentation.
11. Dr. K. Jayaprasad, "State Hindu Leadership Conference", 15 February 2016, Kasaragod, Inaugural Address.
12. Dr. K. Jayaprasad, Keynote Address to the Seminar on "Social Reformers of Kerala", 23 January 2016, Bharatheeya Vichara Kendra at Kozhikode.
13. Dr. K. Jayaprasad, "Rising India, Higher Education and the World Orders in the 21st Century", Kerala Political Science Conference at St. John's College, Anchal, Kollam, Valedictory Address.
14. Dr. K. Jayaprasad, "Kumaranasan and Mathaparivarthana Rasavadam" at the ICSSR sponsored National Seminar on "The Socio-Cultural Impacts of Buddhism in Kerala", 24 – 26 February 2016, Catholicate College, Pathanamthitta, Paper presentation.
15. Dr. K. Jayaprasad, "Kerala Model Development and the Marginalized Sections", in connection with Prime Minister's Visit at Trichur, 5 December 2015, Key Note Paper on Kerala Model Development.
16. Dr. K. Jayaprasad, 'Integral Humanism and Education' at "the National Seminar on Ekatma Manav Darsan: A vision for better tomorrow", 4-5 April, 2015, Pragna Pravah and Bharatheeya Vichara Kendram, Paper presentation.
17. Dr. K. Jayaprasad, Delivered the Keynote Address in the Centenary Celebrations Inaugural Meeting, 29 February 2016, N.S. Higher Secondary School, Nedumudi, Alappuzha.
18. Dr. K. Jayaprasad, "Sree Narayana Guru and Social Reforms Movements in Kerala", 5 December, 2015, Sanathana Dharma Parishad, Calicut, Paper presentation.

19. Dr. K. Jayaprasad, Delivered the Presidential Address in the Seminar on “Law Day” , District Legal Services Authority, Kasaragod, at the Central University of Kerala, 26 November 2015.
20. Dr. Reinhart Philip, ‘Redefining Human Rights’, 06 Feb 2016, St. Alberts College, Ernakulam, Key Note Address.
21. Dr. Lal Ji Pal, ‘India’s North East Region and Act East Policy’ at conference on “Act East Policy and the Changing Dimensions of India’s Foreign Policy”, 19 February 2016, Department of International Relations and Politics, Central University of Kerala, Paper Presentation.
22. Dr Gilbert Sebastian, ‘The Big U-Turn: New Forms of Primitive Accumulation and the Shift in Patriotic Sensibilities in India’ at the International Conference on Development-Induced Displacement and Migration, Land Acquisition and Resettlement at Centre for Development Studies, Thiruvananthapuram during 3-4 March 2016.
23. Dr Gilbert Sebastian, ‘Constructing a Rights-based Majority in India: A Dalitbahujan Marxist Perspective’ at the all-India Seminar organized by Santhigiri Institute of Culture and Human Development (SICHHD), sponsored by the Indian Council of Philosophical Research (ICPR) on the theme, “Caste, Marginalization and Emancipation - a Socio-Philosophical Perspective” during 19-21 April, 2016 in Thiruvananthapuram.
24. Dr Gilbert Sebastian, ‘Re-assessing the Development Experience of Kerala: The Case of Land Issues in Big Plantations’, in the First Annual Session of the *Kerala History Congress* held on 29, 30 and 31 January 2016 in Thiruvananthapuram.
25. Dr Gilbert Sebastian, ‘Human rights in India and Kerala’, Paper presented at the all-India seminar on ‘Human rights and Value Education’ sponsored by the University Grants Commission, GPM Government College, Manjeshwaram on 28 January 2016.
26. Dr. Uma Purushothaman, ‘Multilateralism: India’s Imperatives’, at a National Seminar on “Act East Policy and the Changing Dimensions of India’s Foreign Policy”, Department of International Relations, Central University of Kerala, 19 February 2016, Paper presentation.
27. Dr. Uma Purushothaman, “Leveraging Soft Power the Modi Way”, at a UGC National Seminar on “Changes in Global Politics and Reimagining of India’s Foreign Policy”, The Post Graduate Department of Political Science, Panampilly Memorial Government College, Chalakudy, Thrissur, Kerala, 7 January 2016, Paper presentation.

28. Dr. Uma Purushothaman, “Great Power Politics in Ukraine” at the ORF-Russkiy Mir Foundation Conference on “India-Russia Strategic Relations”, 5 October 2015, Moscow, Paper presentation.
29. Dr. K Jayaprasad, Participated in the discussion, All India Radio.
30. Dr. Jitha S R, ‘Women Empowerment through Kudumbasree’ UGC Sponsored National Seminar on ‘Women in Politics : The Role of Kudumbasree in Kerala’, 8th December 2014, St. George College, Aruvikkara, -Paper Presentation. -Chaired a session.
31. Dr. Jitha S R, ‘Sustainable Development : An Over view’ UGC Sponsored National Seminar on ‘Changing Role of Women & Sustainable Development.’, 9th December 2014, Alphonsa College, Pala, -Paper Presentation. -Chaired a session.
32. Dr. K. Jayaprasad, National Seminar on “Human Security in India: Problems and policy options” sponsored by UGC, 6th and 7th February 2014, at Sree Narayana College, Kollam, Joint-co-ordinator
33. Dr. Jitha S R, ‘Swami Vivekananda and Philosophy of Education” in the National Seminar organised by UGC-, 24th Sept. 2014, Academic Staff College, Calicut University, Presented paper
34. Dr. Jitha S R, “Cultural Foundations of Human Rights in India” in the UGC National Seminar on Human Rights issues of unorganised workers in Malabar Region”, 23rd and 24th January 2015, Nehru Arts and Science College, Kanhangad, Presented paper
35. Dr. Jitha S R, “Narendra Modi – Re-drafting the Foreign Policy Objectives, in the National seminar on Foreign Policy Challenges for Narendra Modi led NDA – II Government, Indian Council for World Affairs, Ministry of External Affairs, ONGC and the University of Kerala, Thiruvananthapuram, 19th and 20th December 2014, Presented paper
36. Dr. Jitha S R, Presided over the Valedictory Session of the Two day National Seminar on “Democracy, Development, Globalization : Perspectives and Experiences”, Government College, Madappally, January 30-31-2015, Presided over
37. U. P. Anilkumar, One Day International Peace Conference on ‘Building Nations of Peace : Our Shared Responsibility’, 24th September 2014, Central University of Kerala, Participation
38. U. P. Anilkumar, ‘Empowerment of the Marginalised Sections : The Challenge in the Development of Kerala’ National Seminar on ‘Kerala Society in the 21st Century”, 25th November 2014, Central University of Kerala, Paper Presentation

39. U. P. Anilkumar, One day National Seminar on “Use of Technology and Innovations in Promoting Good Governance”, 18th December 2014, Central University of Kerala, Participation
40. U. P. Anilkumar, “Empowerment of Marginalised Sections; The Riddle of Three Locks” Two Day National Seminar on Democracy, Development and Globalisation: Perspective and Experiences., 30-31 January 2015., Association of Political Scientist Kerala. Madappally College., Paper Presentation.
41. U. P. Anilkumar, “ Two Day National Seminar on Democracy, Development and Globalisation: Perspective and Experiences., 30-31 January 2015., Association of Political Scientist Kerala. Madappally College., Chaired a session.
42. Dr. Divya Balan., “Redefining India’s Foreign Policy: An Analytical Perspective” Two Day National Seminar on Democracy, Development and Globalisation: Perspective and Experiences., 30-31 January 2015., Association of Political Scientist Kerala. Madappally College., Paper Presentation.
43. Dr. Jitha S R, One Day International Peace Conference on ‘Building Nations of Peace: Our Shared Responsibility’, 24th September 2014, Central University of Kerala, Participation.
44. Dr. Jayaprasad., National Seminar on ‘Kerala Society in the 21st Century’, 25th November 2014, Central University of Kerala, Participation.
45. Dr. Annie Joseph, One day National Seminar on “Use of Technology and Innovations in Promoting Good Governance”, 18th December 2014, Central University of Kerala, Participation.
46. Mr. Shameem C C, research scholar, attended the BRICS Academic forum, Goa, September 2016.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Social service and extension programmes are planned for the period 2015-16. 29 out of 45 students are members of the National Service Scheme (NSS).

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Equivalency has been obtained for PG and M. Phil. programmes with University of Kerala

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The faculty of the department have made their presence felt through their publications in cutting-edge areas and are regular contributors to media discussions and popular writings. They have also written columns and articles in popular newspapers, magazines and e-publications.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

We have highly qualified and motivated faculty. Our strength is the diversity of the specialisations of the faculty. Our weakness is the lack of good infrastructure and facilities. Our main opportunity is in collaboration with other institutes. The department has good relationship with the scholars and academic centres in different states of India and abroad and this can be made use of for such collaboration. We want to develop the department into one eligible to receive special assistance from the UGC. Our main challenge is the locational disadvantage which dampens the motivation of bright students to join. Also, we face difficulties in enlisting the services of experts due to locational reasons.

52. Future plans of the department.

1. Academic activities planned for 2015-16 and beyond. Please give specific details
 - Semester plan and Monthly reporting
 - Formation of Students forum for their skill development
 - Formation of Green club for environmental protection
 - Formation of Quiz club
 - Formation of Film Club and Debate Club
 - Formation of Alumni Association
 - Paper presentations and synopsis presentation
 - To bring out a book based on presentations made at the national seminar on the Act East Policy
 - To organise one seminar every semester on International Relations and Political Science
 - To make online lectures available to students and to create a database of such lectures which could be tapped by the faculty to assist them in teaching
 - To develop the Centre for Diaspora Studies, Centre for Policy Sciences and Regional Planning, Centre for Defence Studies, and Centre for WTO Studies.

Department of International Relations and Politics

- To have 3 special lectures and one diplomatic lecture every year
2. Research activities planned for 2015-16 and beyond
 - Paper presentation and periodical review of research in open forum
 - Formation of Researcher's Forum
 - Plan to organize Research Methodology Workshop
 - To have collaborative research among faculty
 - To submit a proposal for a SAP to UGC
 3. Extension activities planned for 2015-16 and beyond
 - Plan to undertake extension activities in Tribal Settlements close to the University

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

**DEPARTMENT OF INTERNATIONAL
RELATIONS – CAPITAL CENTRE**
(SCHOOL OF GLOBAL STUDIES)

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: Department of International Relations

2. Year of establishment: 2014

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Global Studies

4. Names of programmes offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., D. Sc., D. Litt., etc.)

Integrated BA/MA in International Relations (Batch 2013-18; 2014-19)
BA in International Relations (2015 onwards)

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Yes, for Foreign Language Courses

1. French – Alliance de Francaise Trivandrum (Official French Centre in India)
2. German – Goethe Zentrum (Indo-German Language and Cultural Society)

7. Details of programmes discontinued, if any, with reasons:

Integrated BA/MAProgramme discontinued from 2015-16 Academic Year Onwards (Due to Lack of Permanent Campus and Sufficient Faculty Strength)

8. Examination System: Annual/Semester/Trimester/Choice Based Credit and Semester System

Choice Based Credit and Semester System

9. Participation of the department in the courses offered by other departments

No.

10. Number of teaching posts sanctioned, filled and actual:

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professors	-	-	-

Asst. Professors	-	-	-
Others			
(Guest Faculty)	:		7
(Foreign Language; MOU with AF India & Goethe Zentrum)	:		4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs)	Ph. D. / M. Phil. Guidance
Dr. Reinhart Philip (w.e.f. 08.10.2016)	MA, M.Phil, Ph.D	Assistant Professor, Head of the Department i/c, Capital Centre, Thiruvananthapuram	Water Governance, International Political Economy and Human Rights	2 years and 10 months	
Guest Faculty (Serving)					
Dr. P.C. Prasanna Kumar (16.07.2015 onwards)	MA, M. Phil., MHRM, Ph.D	Guest Faculty, IR (Associate Professor, Retd.)	Development Administration, Decentralized Governance, Comparative Politics, Public Policy	26 Years	4 Doctoral Students at University of Kerala
Ms. Rajalekshmi R. (17.07.2015 onwards)	MA, M.Phil; UGC-NET	Guest Faculty, IR & Faculty Advisor	International Relations Theory, International Law, Foreign Policy	1 Year 2 Months	
Ms. Lijitha T. Thampy (01.03.2016 onwards)	MA, PGD, UGC-NET	Guest Faculty, IR	Security & Strategic Studies	1 Year	
Mr. Vivek V.S.	MA,	Guest Faculty,	English	2 Years	

Department of International Relations – Capital Centre

(22.05.2015 onwards)	UGC-NET	English			
Mr. Ramesan Nair M.S. (30.07.2015 onwards)	MA, M.Phil	Guest Faculty, English (Associate Professor, Retd.)	English	30 Years	
Sri. Ramesh Kumar S. (27.07.2016 onwards)	MA, B. Ed., Ph.D (Thesis Submitted)	Guest Faculty, Malayalam	Malayalam Poetry	4 Years	
Dr. P Sanal Kumar (From 03.02.2014 onwards)	MA, B. Ed., Ph.D	Guest Faculty, Hindi (Associate Professor, Retd.)	Comparative Literature	26 Years	Six awarded and one doing Post Doctoral Research
For French & German, MOU with Alliance de Francaise & Goethe Zentrum exists and resource persons are provided by them					
Guest Faculty/ Deputation Faculty (Served)					
On Deputation					
Dr. K. Jayaprasad (15 th January 2015 to 07 December 2016)	M. A., Ph. D.	Associate Professor (Deputation) & Head of the Department i/c	Indian Constitution, Nationalism, National Politics & Foreign Policy	21yrs and 10 months	
Dr. Girish Kumar R. (Up to 14 th January 2015).	M. A, Ph. D., LLB	Head of the Department i/c	International Political Economy		
Guest Faculty					
Reinhart Philip (till 20-10-2015)	MA, M.Phil, Ph.D	Guest Faculty; Faculty Advisor; Programme Co-ordinator	Water Governance, International Political Economy and Human Rights	1 Year 11 Months 16 Days	
Dr. E. Rema Bhai Amma	MA, M. Ed., Ph.D	Guest Faculty, Malayalam	Malayalam		

(03.02.2014 – 13.07.2016)					
Dr. Evangeline Shanthi Roy (03.02.2014 - 31.03.2015)	MA, Ph.D	Guest Faculty English (Professor, Retd.)	English		
Dr. Beena Gopinath (27.07.2014 – 31.03.2015)	MA, Ph.D	Guest Faculty English (Associate Professor, Retd.)	English		
Ms. Asha Ashok (01.05.2015 - 14.07.2015)	MA	Guest Faculty, English	English		
Sri. Oliver A. Maison (02.07.2014 - 25.07.2014)	MA	Guest Faculty, English (Associate Professor, Retd.)	English		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

NIL

13. Percentage of classes taken by permanent faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
Integrated BA/MA	100%
BA	90%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
B.A (Integrated & Stand Alone)	7.33:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual

Academic support staff (Technical)	0	0	1*
Administrative staff	0	0	2**

* Outsourced Staff at Library

** One Permanent Staff (LDC) and Administrative Officer (on Contract)

16. Research thrust areas as recognized by major funding agencies

NA

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	
	Total Grant Received	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc. ; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	22	
Monographs		
Chapters in Books	4	
Edited Books		
Total Number of Books	5	
Books	ISBN	Publisher
Reinhart Philip, <i>Water Governance in Kerala</i>	978-935128001-9HB: ISBN 978-93-83763-16-0; PB: ISBN 978-93-83763-17-7	Centre for Agricultural Informatics, Trivandrum
Dr. Jitha S R and Reinhart Philip <i>Higher Bureaucracy and Social Change</i>	HB:ISBN 978-935128001-9	Kalpaz Publications, New Delhi
Dr. P.C. Prasanna Kumar, <i>Public Policy for Sustainable Rural Development: Experiments in India</i>	ISBN: 978-81-927528-3-9	Siansu Publications, Thiruvananthapuram
Dr. P.C. Prasanna Kumar, <i>Engendering Governance and Development: Grassroot Experiences</i>	ISBN: 978-81-927528-8-4	Siansu Publications, Thiruvananthapuram
Dr. P.C. Prasanna Kumar, <i>Decentralised Development: The Kerala Context</i>	ISBN:979-81-927528-2-2	Siansu Publications, Thiruvananthapuram
Number listed in International Database		-
Citation Index (Range)		-
Source Normalized Impact per Paper (SNIP)		-

SCImago Journal Rank (SJR)	-
Impact Factor (Range)	-
h-index (Range)	-

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Nil	Nil

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Nil

26. Faculty Serving in

Committees	Number
National committees	Nil
International committees	Nil
Editorial Boards	2
Any other (please specify)	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme Attended
Dr. K Jayaprasad	Orientation Course, 11 th December 1997 to 7 th January 1998, Kerala University, Trivandrum, UGC
	Refresher Course, 7 th March 2000 to 28 th march 2000, Kerala University, Trivandrum, UGC
	Refresher Course, November 2004, M. G. University,

Name of the Faculty	Programme Attended
	Kottayam, UGC
	Refresher Course, 24 th February 2009 to 28 th February 2009, Kerala University, Trivandrum, UGC
	Workshop on Curriculum Development, 24 th February 2009 to 28 th February 2009, Kerala University, Trivandrum, UGC

28. Student Projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100%
percentage of students doing projects in collaboration with other universities/industry/institute	0%

29. Awards/recognitions received at the national and international level by

Faculty	1
Doctoral/Post-Doctoral fellows	Nil
Students	1

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
Nature Camp at Periyar Tiger Reserve, Thekkady	29 th – 31 st August 2016	Kerala Forest & Wildlife Department	Deputy Director, Periyar Tiger Reserve
Campaign for Voting (Outreach Programme)	08 th -11 th May 2016	CUK	-
Workshop on The Dynamics of Research Writing	25 th -26 th July 2016	CUK	Vice Chancellor, CUK; Dr. M.R. Biju, Editor, SAJOSPS

Field visit to Jawaharlal Nehru Tropical Botanical Garden and Research Institute by Capital Centre & Trekking at Shendurney Wild Life Sanctuary	21 st March 2015	CUK	
Environmental Lecture Series	9 February 2015	CUK	Dr. C.M. Joy, Associate Professor Sacred Heart College, Thevara; Columnist
Distinguished Lecture Series – The New Imperatives of India’s Foreign Policy	12 th February 2015	CUK	Amb. Ashok Sajjanhar, Chairman, National Commission for Communal Harmony, GOI.
One Day Eye Camp	02 December 2014	Canara Bank, Pattom	M/S. Vasan Eye Care, Trivandrum
Aids Day Awareness Programme	01 December 2014	CUK	Dr Anupama R., General Secretary, State Women’s Wing, IMA
Workshop on <i>Writing Skills</i>	23 rd September 2014	CUK	Tanja Duckers, German Writer and Journalist
Special Lecture on UN@70. United Nations Foundation Day	24 th October 2014	CUK	Amb. T. P. Sreenivasan

31. Code of ethics for research followed by the departments

NA (For the ProgrammeBA Regulations are strictly followed)

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
Integrated BA/MA (2013-18)	34	7	15	100	93
Integrated BA/MA	176	14	16	NA	NA

(2014-19)					
BA (2015-18)	741	13	17	NA	NA
BA (2016-19)	1069	15	19	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	From Other Countries
Integrated BA/MA (2013-18)	NA	100	0	0
Integrated BA/MA (2014-19)	NA	100	0	0
BA (2015-18)	NA	99.93	0.01	0.01
BA (2016-19)	NA	82.35%	17.64%	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	0
NET	0
SET	0
GATE	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled
UG to PG	90.09%
PG to M. Phil.	Not Applicable

PG to Ph. D.		Not Applicable
Ph. D. to Post-Doctoral		Not Applicable
Employed	Campus selection	0
	Other than campus recruitment	0
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	62.5%
universities from other States	37.5%
universities outside the country	0

37. Number of faculty who were awarded M. Phil., Ph. D., D. Sc. and D. Litt. during the assessment period

Degree	Number of Faculty
Ph. D	1*
M. Phil.	Nil
D. Sc.	Nil
D. Litt.	Nil

*guest faculty

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	The department library houses a collection of over 1500 books including encyclopaedias of Political Science, International Relations and Research Methods in Social Sciences, a collection of Oxford

Category	Infrastructure Facility Available
	Very Short Introduction series, Atlases, Civil Services preparatory books, socio-political magazines and journals and also English and Malayalam Literary Classics. An enviable collection of CDs and DVDs pertaining to studies in history, ecology, geology etc. and also those which aid the study of foreign languages like English, French and German are also available.
Internet facilities for staff and students	LAN Connection Available at Library, Staff Room & Office
Total number of class rooms	4
Class rooms with ICT facility	4 (Plus a Seminar Hall with LCD TV & Blue Ray; Projector and Sound System)
Students' Laboratories	1 Computer Lab is functioning within the Library
Research Laboratories	NA

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	Nil
From other institutions/ universities	Nil

40. Number of postgraduate students getting financial assistance from the university.

NA (Merit Scholarships and Merit-cum-Means Scholarships are available for Under Graduate Students and Merit Scholarship for 2015 admission onwards)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, through expert committee meetings and Consultation committee meetings. These committees were manned by experts, from within and outside the nation.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes,

how does the department utilize the feedback?

Yes. Feedback is taken through Faculty Council meetings which are regular in nature. Necessary changes are incorporated/recommended as per the feedback.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Feed backs are collected annually. Changes are incorporated as per the feedback.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

The process of starting alumni association is going on. Only one batch of students has passed out (Year 2016).

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Purpose, Name of the visitors, Designation, Date, Month and Year of Visit

1. Special Lecture, Prof. (Dr.) G. Gopa Kumar, Vice Chancellor, Central University of Kerala, 27th August 2016, Lecture Hall I, Capital Centre
2. Civil Service Orientation Programme, Adv. Jayasooryan, Director, VYAS-SANKALP, 22nd August 2016.
3. Inaugural Lecture, Dr. A.M. Unnikrishnan, Head of the Department (Malayalam), Central University of Kerala, 17th August 2016.
4. Special Lecture, S.N. Jayaprakash, Chief Reporter, Mathrubhoomi, 7th April 2016.
5. Special Lecture, Prof. (Dr.) M.S. John, Head, Department of International Relations & Director of Research, CUK, 15th March 2016.
6. Special Lecture, Prof. (Dr.) V. Ganeshan, Former Vice Chancellor CIEFL Hyderabad, 28th January 2016, Studio Hall, Capital Centre.
7. Special Lecture, Prof. (Dr.) G. Gopa Kumar, Vice Chancellor, Central University of Kerala, 21st September 2015, Studio Hall, Capital Centre.
8. Special Lecture, Dr Jayachandran R., Head of the Department (Hindi), University of Kerala, 20th March 2015, Studio Hall, Capital Centre.

9. Special Lecture, Prof. Madhusoodhanan Nair, 16th March 2015, Studio Hall, Capital Centre.
10. Diplomatic Lecture, Amb. Ashok Sajjanhar, 12th February 2015, Studio Hall, Capital Centre.
11. Special Lecture, Dr. C.M. Joy, Associate Professor, Dept. of Botany, Sacred Heart College, Kochi, 9th February 2015, Studio Hall, Capital Centre.
12. Observance of Rashtriya Ekta Diwas. Prof. (Dr.) G. Gopa Kumar, Vice Chancellor, Central University of Kerala, 31st October 2014, Studio Hall, Centre.
13. Special Lecture, Amb. T.P. Sreenivasan, 24th October 2014, Studio Hall, Capital Centre.
14. Special Lecture, Dr. Mohammed Kunju Mather, 22nd September 2014.
15. Special Lecture, Prof. (Dr.) G. Gopa Kumar, Vice Chancellor, Central University of Kerala, 20th September 2014.
16. Special Lecture, Prof. (Dr.) G. Gopa Kumar, Former Professor & Head, Political Science, University of Kerala, 4th August 2014.

Other student enrichment programmes and weekly pro-academic activities

Movie Screenings

1. *The Man Who Knew Infinity*, 22th September 2016, Studio Hall, Capital Centre.
2. *The Pursuit of Happiness*, 18th August 2016, Studio Hall, Capital Centre.
3. *Life is Beautiful*, 11th August 2016, Studio Hall, Capital Centre.
4. *Ottal*, 21st July 2016, Studio Hall, Capital Centre.
5. *Planes, Trains and Automobiles*, 12th April 2016, Studio Hall, Capital Centre.
6. *Mustang*, 22th March 2016, Studio Hall, Capital Centre.
7. *12 Angry Men*, 4th March 2016, Studio Hall, Capital Centre.
8. *The Terminal*, 25th February 2016, Studio Hall, Capital Centre.
9. *Rang De Basanti*, 16th September 2015, Studio Hall, Capital Centre.
10. *Picket 43*, 9th September 2015, Studio Hall, Capital Centre.

Debate

1. *Is Campus Politics Necessary?* 25th August 2016, Studio Hall, Capital Centre.
2. *Should Creativity be Subjected to Censorship?* 28th July 2016, Studio Hall, Capital Centre.
3. *Should Artists and Sportspersons Contest Elections?* 28th April 2016, Studio Hall, Capital Centre.
4. *Should Capital Punishment be Discarded?* 11th March 2016, Studio Hall, Capital Centre.

Paper Presentations

1. *Role of Media in Governance*, 6th April 2016, Studio Hall, Capital Centre.
2. *Make in India*, 1st December 2015, Studio Hall, Capital Centre.
3. *Why Jeremy Corbyn is One to be Feared?* 21st November 2015, Studio Hall, Capital Centre.
4. *Refugee Crisis in Europe*. 15th September 2015, Studio Hall, Capital Centre.
5. *Chinese Deployment in the Indian Ocean and the 'String of Pearls' Theory*, 8th September 2015, Studio Hall, Capital Centre.

Quiz

1. General Quiz, 5th September 2016, Studio Hall, Capital Centre.
2. General Quiz, 17th March 2016, Studio Hall, Capital Centre.

Days Observed

1. *Kargil Vijay Diwas*, 26th July 2016, Studio Hall, Capital Centre.
2. *Aids Day*, 1st December 2015, Studio Hall, Capital Centre.
3. *Constitution Day*, 26th November 2015, Studio Hall, Capital Centre.
4. *Hindi Diwas*, 14th September 2015, Studio Hall, Capital Centre.

45. List the teaching methods adopted by the faculty for different programmes.

Lectures, Group Discussions, Role Plays, Video-Audio Presentations, Seminar Presentations, Film/Documentary Screening (Wholly or Partially)

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

There is continuous evaluation of the performance of the students when it comes to academic matters. Each course teacher is assigned the responsibility, who in turn has to communicate the same to the Head/Programme Co-ordinator. The department follows tutorial system and each student will be under a tutor and a class tutor. Telephonic conversation is encouraged between faculty members and parents, once in two weeks. WhatsApp is being used as a platform where the students can interact with the Programme Co-ordinator/Head i/c, through the official group. The students can raise their common problems or can have their suggestions/opinions in this group. Even debates occur on important issues of the day. Departmental Meetings are held as and when required, chaired by the Head of the Department/Programme Co-ordinator, in order to plan the various activities to be conducted/co-ordinated or to discuss any problems being faced by the students. Individual meeting are held for dealing matters which warrants the same.

Students are encouraged to participate and organise activities and programmes of academic, co-curricular and extra-curricular in nature. This enables them to develop their leadership quality and organisational skills. Weekly seminars/film screenings/debates are there as per the schedule, where students take the lead role.

Despite all these, the department uses the services of external experts to motivate the students and to provide necessary academic inputs to the students. Special Lectures/Workshops etc. are being organised by the department with this goal in mind.

47. Highlight the participation of students and faculty in extension activities.

The best example of extension activity is the “Campaign for Voting” organised by the Capital Centre, from 08-11 May 2016, in which the students took the lead role in sensitizing the city dwellers of Trivandrum, about the need for exercising their franchise. Together with door to door campaigning, a street play and mime was also organised at the Shangumukam Beach, Trivandrum, on the final day of the campaign, which received much media coverage. At the individual level too our students, as part of social service provide food, education etc. to the needy. The students of Capital Centre are the backbone of an NGO named “Disha” and were instrumental in forming an association for acid-burn victims in Kerala.

Through the project “Breaking through the Course of Streams” efforts were made to identify the major streams in the Trivandrum city.

Conference/Seminars/Workshops Attended by the Faculty Members.

1. Reinhart Philip, “Research Methods in Social Sciences,” 04 April 2016, NSS Hindu College, Chenganasherry, Special Lecture.

2. Reinhart Philip, “Redefining Human Rights”, 06 Feb 2016, St. Albert’s College, Ernakulam, Key Note Address.

Participation/Presentation of Papers in National/International Conferences/Seminars by Students of Capital Centre

No.	Name	Title of the Paper	Conference/Seminar	Organizers	Date
1	Devika Jaysell	Role of Dharma in Nation Building	National Seminar on Culture, Identity & Diplomacy Revisiting the concept of an Inclusive Bharat Rashtra	UGC centre for Southern Asian studies, Pondicherry University & National Social Science Association	26.11.2015 - 27.11.2015
		Relevance of Dharma in Social reform movements in Kerala	Kerala History Conference, International Conference & First Annual Session	Department of History, University College, Trivandrum	29.01.2016 - 31.01.2016
		The Real Women: Ambiguous Perspectives	Protean Frames: International Conference on Contemporary Discourse on Gender	Department of English, Christ University, Bangalore in Collaboration with Liverpool University, U.K.	12.01.2016 - 13.01.2016
		The Real Women	International Conference on Women Studies and Social Sciences	IMRF, Carmel College, Goa	03.05.2016
2	Devika S.	Democracy and Multiculturalism in India	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016
3	Vandana Rajendran	Issues of Differences in Education & Multicultural Environment Discourse	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016
4	Vrinda Aravind	Indian Pluralism & Cultural Intolerance	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016

Department of International Relations – Capital Centre

5	Megna Suresh	Indian Pluralism & Cultural Intolerance	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016
6	Amrutha A. Varma	Gandhian Multicultural Views	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016
7	Girisanker S.B.	India as a Multicultural Society	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016
8	Anagh	Indian Youth and Indian Politics.	International Multidisciplinary Seminar	SVASH, Trivandrum	11.05.2015
		Politics and Environment	UGC National Seminar on Environment Politics	Carmel College, Thrissur	29.10.2015
		Diplomacy & Bharat Rashtra	National Seminar on Culture, Identity & Diplomacy Revisiting the Concept of an Inclusive Bharat Rashtra	UGC centre for Southern Asian studies, Pondicherry University & National Social Science Association	26.11.2015 - 27.11.2015
		Beyond Speech acts: Social and Gender Intervention by Means of Women in Development.	Protean Frames: International Conference on Contemporary Discourse on Gender	Department of English, Christ University, with Liverpool University, U.K.	12.01.2016 - 13.01.2016
		Employment and Poverty Reduction	KILA's International Conference series, Thinkers workshop on Decentralisation and Development.	Kerala Institute of Local Administration (KILA), Thrissur	20.01.2016 - 21.01.2016

		Role of MSME- DI in the Building of Kerala's Economy. Special Emphasis on Kondazhy Grama Panchayath and Cherpu Grama Panchayath - A Field Study.	International Seminar on New Agenda for Kerala's Economy	C. Achutha Menon College in association with Department of Collegiate Education and IMRD	23.01.2016
		Multiculturalist India : the Peculiar Feature of Indian Unity	International Seminar on Multicultural India, Inclusiveness & New Humanities	Pondicherry University & Madras University	22.02.2016 - 23.02.2016
		Discrimination of Women in the 21 st Century	International Conference on Women Studies and Social Sciences	IMRF, Carmel College, Nuvem, Goa	03.03.2016 - 05.03.2016
9	Ashik M. Masood	Secularism & the Indian Constitution	International Seminar on Multicultural India, Inclusiveness & New Humanities	Department of History, University College, Trivandrum	22.02.2016 - 23.02.2016
10	RekhaPriyadarshini C	New Economic Agenda in Kerala	ICMBE Confluence-2016	IBM Business School in Collaboration with IMRF	24.03.2016 - 25.03.2016
		Change in the Family Set up of Marriage : in the New Generation Era	National Seminar on Marriage, Changing Trends	Department of Legal Studies, University of Madras	19.03.2016
11	Sreelekshmi M.B.	Globalization in Higher Education	National Seminar on Access, Equity and Excellence on Education in the Perspective of Globalization	Department of Education, University of Madras	10.03.2016 - 11.03.2016

48. Give details of “beyond syllabus scholarly activities” of the department.

The Department organised a “Campaign for Voting”, at the Capital City, in order to sensitise the general population about the need for exercising their franchise in the Kerala Legislative Assembly Elections 2016, held on May 16.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Through publication and participation in various academic and public meetings.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. The Department of International Relations, Capital Centre has highly qualified, experienced and dedicated faculty members who have been rank holders of both state and central universities.
2. Collaboration with Foreign Institutes like Alliance de Francaise Trivandrum, Official French Centre in India & Goethe Zentrum, Indo-German Language & Cultural Society.
3. The students of the Department are energetic, enthusiastic and motivated. They have been performing well not only in academic activities but also in co-curricular and extension activities. They have been actively participating in seminars and conferences organised at both state and central universities where they captured the imagination of senior academicians. Our quizzers have won laurels at university, south-zone inter-university competitions and also at quizzes organised by Goethe Zentrum during the past year. Students of the Capital Centre were the overall champions at the university arts fest held at Kasaragod in 2015 and the individual championship was also secured by one of the students of the centre. Many of our students have successfully cleared French and German language competency examinations
4. Geography is the other strength of the department, as it is located in the Capital City, the administrative hub of the state. In Thiruvananthapuram students are spoilt for choice when it comes to access to quality libraries and also extra academic events such as seminars, awareness and sensitisation programmes, fine art exhibitions, traditional and modern artistic performances, literary and film festivals etc.
5. The department library houses a collection of over 1500 books including encyclopaedias of Political Science, International Relations and Research Methods in Social Sciences, a collection of Oxford Very Short Introduction series, Sage handbooks, Atlases, Civil Services preparatory books, socio-political magazines and journals and also English and Malayalam Literary Classics. An enviable collection of CDs and DVDs pertaining to studies in history, ecology, geology etc. and also those which aid the study of foreign languages like English, French and German are also available.

Weaknesses:

1. Lack of Permanent Faculty Members
2. Lack/Absence of Permanent Campus

Opportunity:

1. Opportunity to collaborate with UN University Regional Centre that is established at the State Capital, Thiruvananthapuram.

2. Opportunity to collaborate with eminent diplomats, academicians and political scientists centred in Thiruvananthapuram.
3. To develop into a premier centre of excellence for the study of International Relations at the Under Graduate Level.

Challenges:

1. Lack of proximity to mother campus.
2. Immediate job opportunity for students.

52. Future plans of the Department.

1. Academic activities planned for 2016-17. Please give specific details
 - Formation of Students forum for their skills development
 - Nature Camp for Environmental Studies Course (Batch 2016-19)
 - Formation of Alumni Association
 - A Film Festival on the theme “Environment and Development”
 - Field Visit and Institutional Visits
2. Research activities planned for 2016-17
 - Periodical review of research in open forum
 - Organizing Research Methodology Workshop
3. Extension activities planned for 2016-17
 - Sensitisation programmes on Environmental Protection

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

**DEPARTMENT OF ENGLISH AND
COMPARATIVE LITERATURE**

(SCHOOL OF LANGUAGES AND COMPARATIVE LITERATURE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department

Department of English & Comparative Literature

2. Year of establishment

2009

3. Is the Department part of a School/Faculty of the university?

Yes. it is part of the School of Languages and Comparative Literature of the Central University of Kerala

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

- a) PG: MA (English & Comparative Literature) since 2009
- b) Integrated M. Phil. /Ph. D. (English & Comparative Literature) till 2013.
- c) Ph. D.: (English & Comparative Literature) since 2012

5. Interdisciplinary programmes and departments involved

Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programmes discontinued, if any, with reasons

MPhil (English & Comparative Literature) was discontinued in 2013 for shortage of teaching staff, and as the university introduced direct PhD programme with a mandatory Course work.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit and Semester System

9. Participation of the department in the courses offered by other departments

Yes. In Elective Courses offered by other departments in the School of Languages & Comparative Literature. The courses shared are LTT5051 Bilingualism (with the Dept. of Linguistics) and LHC 5003 Functional Hindi, LHC 5002 Hindi Computing and LHC 5007 *Vishesh Sahithyakar* (with the Dept. of Hindi and Comparative Literature).

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Assoc. Professors	2	2	2
Asst. Professors	4	4	4
Others	0	0	0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Post	Specialization	Exp	Guide
M. Dasan, Prof. (Dr.)	MA, PhD, MBA (HRM)	Professor	Dalit Studies, Theatre, postcolonial Literatures	28 Y	MPhil 5 PhD 14
Joseph Koyippally, Dr.	MA, PhD, JRF	Assoc. Professor	Shakespeare, Diaspora Studies, Translation Studies, Semiotics	19 Y	MPhil 5 PhD 7**
Prasad Pannian, Dr.	MA, PhD, MPhil, JRF	Assoc. Professor	Critical/Cultural Theory, Cultural Studies, Postcolonial Studies Edward Said	12 Y	MPhil 3 PhD 5**
Vellikkeel Raghavan, Dr.	MA, PhD, MPhil, NET MA (Ling), NET (Ling)	Asst. Professor	Theatre and Performance Studies, Film & Media Studies, Critical/Cultural Theory	12 Y	MPhil 2 PhD 6**
Shalini M., Dr.	MA, MPhil, PhD, NET	Asst. Professor	Women Writing, Postcolonial Theory, Gender Studies, Comparative Lit. Theory	04 Y	MPhil 2 PhD 4**
Asha S, Dr.	MA, PhD, JRF	Asst. Professor	Women and Islam, Academic Writing, Indian English Fiction	17 Y	MPhil 3 PhD 3**
Efthikar Ahamed B., Dr.	MA, PhD, NET MA (Tr.St.), B.Ed,	Asst. Professor	Poetry, ELT, Translation Studies, Media Studies, CLT, Comparative Literature	11 Y	PhD 2**

Note: *Including teaching experience from previous institute; ** Ongoing

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

1. Dr. Rich Rice (Assoc. Professor, Department of English, Texas Tech University, USA)
2. Dr. Kanika Batra, (Asst. Professor, Department of Comparative Literature, Texas Tech University, USA)
3. Dr. E. Sreedharan, (Assoc. Professor in Sanskrit, Sree Sankara University of Sanskrit, Kalady)
4. Prof. EV Ramakrishnan, UGC Professor Emeritus (from August 2015 onwards)

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M. A.	0
Ph. D.	0

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. A	8. 4: 1
Ph. D.	4: 1

Year	No. of students				No. of Teachers	ST Ratio
	I MA	MPhil	PhD	Total		
2009-10	12 (3M, 9F)	x	x		5 (3M, 2F)	
2010-11	11 (3M, 8F)	2 (0M, 2F)	x		5 (3M, 2F)	
2011-12	16 (6M, 10F)	11 (5M, 6F)	x		6 (4M, 2F)	
2012-13	21 (2M 17F)	4 (0M, 4F)	x		5 (3M, 2F)	
2013-14	19 (4M 15F)	x	5 (1M, 4 F)		7 (5M, 2F)	
2014-15	22 (4M, 18F)	x	x		7 (5M 2F)	
2015-16	22 (6M 16F)	x	10 (6M, 4F)		7 (4M 3F)	
2016-17	28 (4M, 24F)	x	5 (2M, 3F)		7 (5M, 2F)	
Total	151(32M,117F)	17 (5M, 12)	20 (9M, 11F)	187 (M F)		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	2009-2016		
	Sanctioned	Filled	Actual
Academic support staff (Technical)	0	0	0.5*
Administrative staff	1	0	1**

* outsourced (Shared with ICT Department)

** Outsourced

16. Research thrust areas as recognized by major funding agencies

The Department is trying to get recognition in Dalit Studies, Indian Documentary Films, Women and Islam

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	Nil
	National	1 (Research Award)
Total grants received (in Rupees)		
M. Dasan, Prof. (Dr.). OUP India Anthology of Malayalam Dalit Literature. Published by Oxford University Press (2012) Financial Assistance from Government of Kerala		2 lakhs
Vellikkeel Raghavan, Dr.		25 lakhs

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Submitted a proposal for collaboration with the Department of Cultural Studies, University of Wroclaw, Poland to the Vice Chancellor, CUK

Preparing a collaboration with Faculty of Arts, Monash Asia Institute, Monash University, Caulfield Campus, Melbourne, Melbourne, Australia VIC3145

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Preparing the proposal for SAP

20. Research facility / centre with • state recognition • national recognition • international recognition

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

* Number of papers published in peer reviewed journals (national /international)	90
* Monographs	1
* Chapters in Books	31
* Edited Books	16
* Single-Author Books with ISBN with details of publishers	6+2
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
* Citation Index – range / average	
* SNIP	
* SJR	
* Impact Factor – range / average	
* h-index	

Papers Published in Journals (National /International)

Author	Title	Details	Year	ISSN
Efthikar Ahamed B., Dr.	1. The Necessity of Community Outreach Programs in the Higher Education Sector	<i>IJMER</i> , 5:4-5 pp. 57 – 66	2016	2277 7881
M. Dasan, Prof. (Dr.)	2. ‘On Decolonizing/ Debrahminizing Academia’	<i>Littcrit</i> , 42.1 81 pp. 33-44	2016	0970 8049
Vellikkeel Raghavan, Dr.	3. ‘Citizenship and Nomadity in Documentary Narrative: Raja Shabir Khan’s Shepherds of Paradise.’	<i>Lensight</i> , FTII, Jan-Jun. pp 59-71.	2016	2395 4604
2015				

Author	Title	Details	Year	ISSN
Asha S, Dr.	4. 'In the Throes of Transition: Muslim women in Ahmed Ali's <i>Twilight in Delhi</i> and Zeenuth Futehally's <i>Zohra</i> '	<i>Int. J. of English Language, Literature and Translation Studies</i> , 2:3, pp. 108-115	2015	2395 2628
Asha S, Dr.	5. 'Muslim Feminist Consciousness in Indian English Fiction of the Nationalist Era'	<i>The Criterion</i> , 6:4, pp. 007-015	2015	0976 8165
Manju, VV, Ms.	6. 'Othello Translation and the Development of Modern Malayalam Literary Poly-system'	<i>IJCLTS</i> 3. 1: 20-29	2015	
Manjusha, Ms.	7. "Towards Alternative Modernities: Situating Karnataka <i>Kadambari</i> as a Vernacular Translation"	<i>IJELR</i> . 3.1, Jan.	2015	
Manjusha, Ms.	8. "Why Alternative Modernities in India? The Relevance and Reflections on Kannada Modernity Special Reference to Vachana Movement"	<i>Singularities</i> . 3.1, Jan.	2015	2348 3369
Neethu Das.K, Ms.	9. "Subversion of the Indian Woman Myth in Jaishree Mishra's <i>Ancient Promises: A Critical Study</i> "	<i>The Literary Herald</i> .	2015	Web
Prasad Pannian, Dr.	10. "Introduction: Democracy and its Discontents"	<i>Humanities Circle</i> 3.1	2015	2321-8010
Prasad Pannian, Dr.	11. "Introduction: The Anthropocene and the Human Sciences"	<i>Humanities Circle</i> 3.2	2015	2321-8010
Rukhaya MK, Ms.	12. . 'Dispossessing Reality: Manjula Padmanabhan's <i>Harvest</i> '.	<i>IJML</i> . 5.2.	2015	2231 6248
Rukhaya MK, Ms.	13. 'Divorced Dichotomies: Graham Greene's <i>Power and the Glory</i> '	<i>LangLit</i> . 1.3.	2015	2349 5189
Rukhaya MK, Ms.	14. 'Edward Said's <i>Orientalism</i> : Building a Self-Reflexive	<i>World J. of Gender and Literature</i> .	2015	2349 1620

Author	Title	Details	Year	ISSN
	History’.			
Rukhaya MK, Ms.	15. ‘Emily Dickinson's Poems: Telling the Truth Slant’.	<i>LangLit</i> 1.4	2015	2349 5189
Rukhaya MK, Ms.	16. ‘Girish Karnad's <i>Hayavadana</i> : The Quest for Completeness or Perfection.	<i>Littcrit.</i>	2015	0970 8049.
Rukhaya MK, Ms.	17. ‘Girish Karnad's <i>Tughlaq</i> : Exiled from Himself.	<i>Critical Space: A</i> 3.3. June.	2015	2319 3689
Rukhaya MK, Ms.	18. ‘Gopal Guru's Egalitarianism and the Social Sciences: Theorizing Experiences or Experiencing Theory?’	<i>Labyrinth</i> 6.2	2015	0976 0814
Rukhaya MK, Ms.	19. ‘Raymond Williams's ‘Marxism and Literature’: Tracing the Historicity of Literature’.	<i>The Context.</i> 2.2.	2015	2349 4849
Rukhaya MK, Ms.	20. ‘Replication of Diaspora in Gauri Shinde's <i>English Vinglish</i> ’	<i>Singularities.</i>	2015	2348 3369
Rukhaya MK, Ms.	21. ‘Sisir Kumar Das's ‘Comparative Literature in India’: Transcending Boundaries’	<i>European Academic Research.</i> 2.12	2015	2286 4822.
Rukhaya MK, Ms.	22. ‘Sylvia Plath's ‘Tulips and Lady Lazarus’: Relative Intruding.	<i>European Academic Research</i> 2. 12.	2015	2286 4822.
Rukhaya MK, Ms.	23. ‘The Poetry of Ted Hughes: Metaphors or Extended Analogies’.	<i>Critical Space</i> 4.1. Oct.	2015	2319 3689
Rukhaya MK, Ms.	24. Manjula Padmanabhan's ‘ <i>Harvest</i> : Bodily Encounter with the (M)other’.	<i>WEC</i> : 5.2	2015	
Shijomon KV, Mr.	25. ‘Ethanu Pravasi Malayali?’	Pachakuthira, DC Books.	2015	0972 5679
Shijomon KV, Mr.	26. ‘Malayaliyude Pravasalokam’	Pachakuthira, DC Books.	2015	0972 5679
Subin Scaria, Mr.	27. ‘The Digital Space of Indian Folklores: A	<i>IJPL</i>	2015	

Author	Title	Details	Year	ISSN
	Study on the Development of the Folklores of the Present”			
Vellikkeel Raghavan, Dr.	28. ‘Theorizing 21st Century Indian Political Documentary Films: AFSPA, 1958 as an Epistephilic Narrative. ‘	<i>Lensight</i> , FTII, Oct-Dec. pp 26-34.	2015	2395 4604
2014				
Efthikar Ahamed B., Dr.	29. Edasserian Poetry – Man’s Collective Consciousness of the Universal Brotherhood	<i>LITTCRIT</i> 40:2 (78) pp. 61 – 65	2014	0970 8049
Efthikar Ahamed B., Dr.	30. The Theme of Alienation & Marginalization in the Poems of R.S. Thomas	<i>NOTIONS</i> , 5:3, pp. 19 – 25	2014	0976 5247
Efthikar Ahamed B., Dr.	31. Transgender – the Transformation from ‘Sex Change Joke’ to Inconsiderate Veracities	<i>Brennen J. of Multi-Disciplinary Studies</i> , 9, pp. 1 – 9	2014	2231 5489
Eldhose A Yoyakky, Mr.	32. ‘Is Comparative Literature Only an ‘Ideal World’?’	<i>The Philosopher</i> 1. 2: 73-78.	2014	2319 8311
Eldhose A Yoyakky, Mr.	33. ‘Plays and Counter-plays: An Intertextual Analysis of Communist and Anti-Communist Plays in Malayalam Theatre. ‘	<i>J. of South Asian Studies</i> 2. 2: 131-143.	2014	2308 7846
Eldhose A Yoyakky, Mr.	34. ‘Political Conscientization through Street Theatre: A Study with Reference to <i>Kalyanasaugadhikam</i> . ‘	<i>Research in Drama Education</i> : 19. 4 (Nov): 340-354.	2014	1356 9783
Eldhose A Yoyakky, Mr.	35. ‘Political Theatre and the Evolution of Public Sphere in Kerala.	<i>Lux Montis</i> 2. 1: 75-84.	2014	2321 8053
Eldhose A Yoyakky, Mr.	36. Interview with Kathryn Blume, playwright, performer and environmental activist’	<i>Teresian J. of English Studies</i> 6. 1 (October): 48-54.	2014	0975 6302
Joseph Koyippally,	37. The Bard on Cyberstage: MIT	<i>Humanities Circle</i> , 2:2, pp. 215-218.	2014	2321 8010

Author	Title	Details	Year	ISSN
Dr.	Shakespeare Project’,			
Mary Haritha MC, Ms.	38. ‘Malayalam <i>Macbeth</i> : Punarakhyanalude Charithravum Rashtreeyavum’	<i>Keli</i> Aug-Sep.	2014	
Mary Haritha MC, Ms.	39. ‘Indianizing the Bard: A Diachronic Study of Shakespeare Reception in India’.	<i>Singularities</i> : 1. 2 (Aug) 104-109.	2014	2348 3369
Mary Haritha MC, Ms.	40. ‘ <i>Macbeth</i> Retranslations in Malayalam: A Contextual Analysis’	<i>Singularities</i> 1. 2:13-30.	2014	2348 3369
Neethu Das.K, Ms.	41. ‘Theatre for Re education: Experimenting with Documentary form in Kerala’	Research in Drama Education. (Routledge).	2014	
Prasad Pannian, Dr.	42. “Theory/Praxis Course”	<i>News Letter</i> , Forum for Contemporary Theory, 15.2	2014	
Prasad Pannian, Dr.	43. “Ennittum Edward Said Marxist Viruddhano?” (Edward Said yet an anti-Marxist?),	Mathrubhumi Weekly 10 August	2014	9770971736000
Rukhaya MK, Ms.	44. ‘Destabilizing Foundations in Alan Sillitoe's Loneliness of the Long Distance Runner.	<i>Glimpses</i> .	2014	2250 0561
Shijomon KV, Mr.	45. “Indian Diaspora in Dubai: An Entrenched Diaspora?”	<i>Humanities Circle</i> 2.1. (Jan).	2014	2321 8010
Vellikkeel Raghavan, Dr.	46. ‘From Village to City. ‘Translation of Safdar Hashmi—JANAM’s Hindi play into English.	<i>Indian Literature</i> , 1(279), pp. 52—66.	2014	0019 5804
Vellikkeel Raghavan, Dr.	47. ‘Politics of Mobility and Identity: An Introduction. ‘	<i>Humanities Circle</i> , 2:1, pp. 7—15.	2014	2321 8010
Vellikkeel Raghavan, Dr.	48. ‘Theatre of Deschooling: Safdar Hashmi’s Conscientization Theatre. ‘	<i>Crossings: ULAB J. of English Studies</i> , 4:5 pp. 105—115.	2014	2071 1107
2013				
Efthikar	49. A New Historicist	<i>NOTIONS</i> , 4:2, pp. 69	2013	0976 5247

Author	Title	Details	Year	ISSN
Ahamed B., Dr.	Reading of <i>The Mahabharata</i>	– 78		
Efthikar Ahamed B., Dr.	50. Dubbing & Subtitling – the Visual & Acoustic Phonetics in Film Translation	<i>Brennen J. of Multidisciplinary Studies</i> , 8, pp.	2013	2231 5489
Eldhose A Yoyakky, Mr.	51. . ‘Plays and Counter-plays: An Intertextual Analysis of Communist and Anti-Communist Plays in Malayalam Theatre.	<i>J. of South Asian Studies</i> 2. 2: 131-143.	2013	2308 7846
Eldhose A Yoyakky, Mr.	52. ‘Interview with Kathryn Blume, playwright, performer and environmental activist’	<i>Teresian J. of English Studies</i> 6. 1 (October): 48-54	2013	0975 6302
Eldhose A Yoyakky, Mr.	53. ‘Is Comparative Literature Only an ‘Ideal World’?’	<i>The Philosopher</i> 1. 2: 73-78.	2013	2319 8311
Eldhose A Yoyakky, Mr.	54. ‘Political Conscientization through Street Theatre: A Study with Reference to <i>Kalyanasaugadhikam</i> .	<i>‘Research in Drama Education: 19. 4 (Nov): 340-354.</i>	2013	1356 9783
Eldhose A Yoyakky, Mr.	55. ‘Political Theatre and the Evolution of Public Sphere in Kerala.	<i>Lux Montis</i> 2. 1: 75-84.	2013	2321 8053
Eldhose A Yoyakky, Mr.	56. ‘Politics behind Humanizing Ravana: A Study with Special Reference to the Film <i>Ravanan</i> by Mani Ratnam ‘	<i>The Literati</i> 3. 2 (December): 38-43	2013	2248 9576
Eldhose A Yoyakky, Mr.	57. ‘Theatrical Ripostes in the Time of Terror: Global Paranoia in Dennis Kelly’s <i>Osama the Hero</i> ’	<i>‘Humanities Circle</i> 1. 1. Jan121-137	2013	2321 8010
Joseph Koyippally, Dr.	58. ‘Caliban’s Smile? South Asian Diasporic Response to 9/11’,	<i>Humanities Circle</i> , 1:1, pp. 189-203.	2013	2321 8010
Joseph Koyippally, Dr.	59. ‘Transnational Feminine identities: Mapping, Resistance and Diaspora in Dryden’s <i>Amboyna</i> ’	<i>Oasis</i> , 5:1, pp. 54-72	2013	9075 4334
Joseph	60. Words of Thy Master:	<i>IJMER</i> , 5:2, pp. 1-21	2013	2277 7881

Author	Title	Details	Year	ISSN
Koyippally, Dr.	The Gulf Indian Diaspora and its Literature'			
Rukhaya MK, Ms.	61. 'Harold Pinter's <i>Homecoming</i> : The Return to Roots.	' <i>Criterion</i>	2013	0976 8165
Rukhaya MK, Ms.	62. 'Samuel Beckett's <i>Endgame</i> : A Classic Example of the Theatre of the Absurd.	' <i>Voices of the Indian English Writers</i> . 1, New Delhi: Authorspress.	2013	2347 7717
Rukhaya MK, Ms.	63. 'The Poems of Robert Frost: Connotations more than Denotations.	' <i>The Discourse</i> : 2. 3. 22-35	2013	2278 0920
Shalini M. Dr.	64. Recasting the Marginalised: Reading Sarah Joseph's <i>Ramayana</i> Stories in the context of Dravidian Movement	<i>Tapasam</i> , 8:1-4	2013	
Shijomon KV, Mr.	65. "Indian Diaspora in Dubai: An Entrenched Diaspora?"	<i>Humanities Circle</i> . 2.1 January.	2013	2321 8010
Vellikkeel Raghavan, Dr.	66. 'Hegemony of the Spectacular: Decoding the Materials and Matrices of Digital Millennium Visual Culture.'	<i>Humanities Circle</i> , 1:1, pp. 67—79.	2013	2321 8010
Vellikkeel Raghavan, Dr.	67. 'Internal Displacements and Dissents in Performance: Modern Indian Street Theatre as Megaphone of Resistance'	<i>Humanities Circle</i> , 1:2, pp. 232-42.	2013	2321 8010
Vellikkeel Raghavan, Dr. and Anagha A.	68. <i>Crow-Dream</i> . Translation of A. Santhakumar's Malayalam play into English.	<i>Indian Literature</i> , 4 (276), pp. 146-57.	2013	0019 5804
2012				
Asha S, Dr.	69. 'The Intersection of the Personal and the Political: Huda Shaarawi's <i>Harem Years</i> and Leila Ahmed's <i>A Border Passage</i> '	<i>The IUP J. of English Studies</i> , 7:2 pp. 31-38	2012	

Author	Title	Details	Year	ISSN
Efthikar Ahamed B., Dr.	70. Digital Translation Mediation – (Im)proper Sandwiching of Communication Between Information & Technology	<i>IDEAGORA</i> pp. 319 – 322	2012	97881 92071107
Efthikar Ahamed B., Dr.	71. Postcolonial Nepali Poetry – Gynocentric Angst against the Doubly Colonized Mind	<i>NOTIONS</i> , 3:1, pp. 11 – 16	2012	0976 5247
Efthikar Ahamed B., Dr.	72. <i>The Feast of the Goat</i> – the Triumphant Worlds of Power Structure & the Passionate Metaphors of Letdown	<i>Brennen J. of Multidisciplinary Studies</i> , 7, pp. 1 – 7	2012	2231 5489
Joseph Koyippally, Dr.	73. ‘Husbandage: Stereotyping transgender roles in Diasporic Nurse Families’	<i>Interactions</i> , 1:2, 8-14	2012	2277 3940.
Dr. Prasad Pannian	74. “Who Can Hear the Buddha Sing?” a translation of K. G. Sankaraippillai’s poem	<i>Indian Literature</i> March/April 2012.	2012	0019 5804
Rukhaya MK, Ms.	75. ‘Feminism in Girish Karnad’s Nagamandala’	<i>Galaxy</i> . 2278: n.pag. Web.20 August	2012	
Vellikkeel Raghavan, Dr.	76. ‘Dean Mahomet’s <i>The Travels</i> : Liminalities of Colonial Subjectivity and Early Diasporic Imagination’	<i>J. of the Department of English, Vidyasagar Univ.</i> 29:1, pp. 01-06.	2012	0973 3671
Vellikkeel Raghavan, Dr.	77. ‘Safdar Hashmi’s <i>Machine</i> : A Metaphor of Post-Independence Indian Capitalist Industrial Apparatus’	<i>Indian Literature</i> , 5 (271), pp. 219-32.	2012	0019 5804
2011				
Asha S, Dr.	78. ‘Perceptions on the Indian Muslim Woman in Colonial and Reformist Discourses’	<i>Littercrit</i> , 37 (71), pp. 3-11.	2011	0970 8049
Efthikar Ahamed B., Dr.	79. ‘Niche of Female IT User-ship – An e-reading of the Women’s Voices’	<i>NOTIONS</i> , 2:4, pp. 55- 61	2011	0976 5247

Author	Title	Details	Year	ISSN
Efthikar Ahamed B., Dr.	80. The Art of Reading in the Digital Age	<i>J. of ELTIF</i> , 2:1, pp. 7 – 10	2011	2230 7710
Vellikkeel Raghavan, Dr.	81. ‘Reading with Cultural Materialism: An Interpretative Exercise with the Textual, Intertextual and Extratextual Corridors’.	<i>Harvest</i> , 26:1. pp. 101-12.	2011	1729 8326
Vellikkeel Raghavan, Dr.	82. <i>Halla Bol</i> . (Tr), Safdar Hashmi <i>Halla Bol</i> (Hindi) into English.	<i>Indian Literature</i> , 1 (263), pp. 115-37.	2011	0019 5804
Vellikkeel Raghavan, Dr.	83. <i>Machine</i> . (Tr.) Safdar Hashmi <i>Machine</i> (Hindi) into English	<i>Indian Literature</i> , 1 (261) pp. 165-73.	2011	0019 5804
2010				
Asha S, Dr.	84. ‘Aiding Imperialism: Popular Iranian Women’s Memoirs’	<i>Littercrit</i> , 36 (69), pp. 32-43	2010	0970 8049
Asha S, Dr.	85. ‘From Protection to Control and Exclusion - A Sociological Reading of Purdah’	<i>SSRN</i> http://ssrn.com/abstract=1142212	2010	
Vellikkeel Raghavan, Dr.	86. ‘The Relevance of General Semantics in ELT Pedagogy.’	<i>Harvest</i> , 25:1 pp. 141-48.	2010	1729 8326
2009				
Asha S, Dr.	87. ‘ <i>Reading Lolita in Tehran</i> : Rehashing Orientalist Stereotypes’	<i>ICFAI Univ. J. of English Studies</i> . 4:1, pp. 47-53	2009	0973 3728

MONOGRAPHS

Author	Details	Publisher	ISBN
Abdul Hameed P. A,	1. <i>Naduthoppil Abdhulla’s Akbar Sadaqa Pakshippattu: Translation and Study</i> (MA Dissertation),	CUK	

CHAPTERS IN BOOKS

Author	Details	Publisher	Page	ISBN
2016				
Joseph Koyippally, Dr.	1. ‘Keralada Bhashantharika Malayalam mathu Bahubhashiyathe’, in <i>Bharatada Bhubhashika Parisara Mathu Anuvada</i> , Ed. Siraj Ahmed:	Kuvempu Bhashabharati Pradhikara: Bangalore.	250-274	55512 34072394

Author	Details	Publisher	Page	ISBN
Joseph Koyippally, Dr.	2. <i>'Malayala Bible Vivarthanavum Heman Gundarttum. 'Malayalavum Herman Gundattum. Ed. Scaria Zacharia. Vol. I.</i>	Thunjath Ezhuthachan Malayalam Univ., Tirur.	651-680	97893 82186670
M. Dasan, Prof (Dr.)	3. 'Counter cultural Poetry of the Coloured Subaltern Women: Comparing Gladys Thomas and Meena Kandasamy', <i>Counter-Writing: Dalits and Other Subalterns</i> , Ed. J . Bheemaiah	Prestige Books International, New Delhi	203-219	97881 93114179
Rukhaya MK, Ms.,	4. with Zeenath Mohamed Kunhi. 'An Ecocritical Perspective of Arundhati Roy's The God of Small Things'	SAGE, New Delhi		Forthcoming
2015				
2014				
Efthikar Ahamed B, Dr.	5. 'Gaboyude <i>Panippurayil</i> ' <i>Malayaliyude Marquez</i> , Ed. Dr. Deepesh Karimpunkara:	Samayam Publications, Kannur	156-161	97881 91070611
Joseph Koyippally, Dr.	6. 'Aadujeevithavum Goat Daysum Njanum', in <i>Adujeevitham Patanangal</i> ,	Green Books, Thrissur.		97881 84233971
Joseph Koyippally, Dr.	7. 'Deconstructing 'Mother' in Please Look After Mother', in <i>Growing Synergy Between India and Korea</i> , Eds. Sushila Narsimhan and Kim Do-Young:	Manak, Delhi.	78-98	97893 78313547
Joseph Koyippally, Dr.	8. 'Pravasam Oru <i>Karaturekha</i> ', in <i>Veedu Maarunnavar: Arabyan Pravaasa Saahithyam</i> , Ed. Sobha V:	Green Books, Thrissur.	28-40	97881 84233674
Joseph Koyippally, Dr.	9. 'Who is Afraid of English? Paradigm Shift in Brave New India', <i>Indian Languages in School Education</i>	Kuvempu Bhashabharati Pradhikara: Bangalore	86-110	55512 34072493

Author	Details	Publisher	Page	ISBN
	System', Ed. KV Narayana. 2015:			
Joseph Koyippally, Dr.	10. Who is Afraid of English? Paradigm shift in Brave New India', in Shaala Shikshanadalli Dehsa Bhashegalu - Rashtreeya Vichara Sankirana	Kuvempu Bhasha Bharathi Pradhikara, Bangalore,	160-185	97881 92175898
Rukhaya M. K., Ms.	11. 'The Second Half. 'Acerbic Anthology: Protest Poetry and Short Fiction against Gender Violence and Rape. Ed. Sunil Sharma and Mutiu Olawuyi.	Create Space		
Rukhaya MK, Ms.	12. 'Destabilizing Hierarchies in Mahesh Dattani's Plays. in <i>Dattani's Plays: Staging the Invisible</i> .	New Delhi: Authorspress.		97893 82647072.
Vellikkeel Raghavan, Dr.	13. 'On Worshipping English—the Dalit Goddess: Manu, Missionary, Macaulay and the Market,' <i>English in the Dalit Context</i> . Eds. Alladi Uma, K. Suneetha Rani and Murali Manohar.	Orient Black Swan, New Delhi. pp.	125-147	97881 25055198
2013				
Mary Haritha MC, Ms.	14. <i>Yugapurushanmare Varavelkkumbol' Vayala: Jeevitham, Darsanam, Natakam</i> Ed. Bhanupraksh.	'Vayala Vasudevan Pillai Trust: Thrissur.:	460-63	
Neethu Das.K, Ms.	15. "Constructed Femininity: Male Gaze in Women's Magazines" in <i>Problematics of Gender Discourse: Perspectives on Masculinism and Feminism</i>	Dec		
Rukhaya MK, Ms.	16. 'Mahesh Dattani's Tara: The Other Side. 'Mahesh Dattani: His Stagecraft in Indian Theatre Ed. Dr. Vishwanath Bite.	New Delhi: Authorspress India.		97881 72737375
Rukhaya	17. 'Results. 'The Art of	Ontario: Brian Wrixon		

Author	Details	Publisher	Page	ISBN
MK, Ms.	<i>Being Human</i> . Vol. 2. Ed. Daniela Voicu and Brian Wrixon.	Books.		
Rukhaya MK, Ms.	18. 'Shashi Deshpande's 'Roots and Shadows': <i>No Roots, Only Shadows</i> . Academia. (March)			
Rukhaya MK, Ms.	19. 'Sylvia Plath's Daddy: The Mummified Daddy.' <i>Twentieth Century American Poetry</i> .			
Vellikkeel Raghavan, Dr.	20. 'Machine. <i>Rainbow Colours: An Anthology of Indian Regional Literatures in Translation</i> . Ed. K. <i>Sujatha</i> . Kottayam:	D. C. Books, Kottayam pp.	62- 67	97881 26433612
2012				
Asha S, Dr.	21. Who is Within? 'Insider' Critiques of Khadeeja Mumthaz' <i>Barsa Various Cultures, Variant Readings</i> Ed. B. Hariharan et al	Creative: New Delhi,	323- 338	97881 80430936
M. Dasan, Prof (Dr.)	22. 'Dalit literature and Dalit Movements' in <i>Dalit Movements and Literature: Emerging Issues and Challenges</i> , Ed. Begary Krishanaih	Prestige Books, New Delhi,		
M. Dasan, Prof (Dr.)	23. [With Babitha V] Restoring Balance: A Critical Analysis of Ruby Slipper Jack's Novels' in Various Cultures, Variant Readings Vol 1 Ed. B Hariharan et. al.	Creative Books, New Delhi	113- 127	97881 80430928
M. Dasan, Prof (Dr.)	24. 'Restoring Balance; A Critical analysis of Ruby slipperjack's Novels', in <i>Various Cultures, Variant Readings</i> , eds. B.Hariharan et. Al.	Creative Books. New Delhi,		97881 80430923
Shijomon KV, Mr	"Visual Rhetoric: Re- creation of Visual Language in a Multi- lingual World"	PGDE Catholicate College,Pathanamthitta		

Author	Details	Publisher	Page	ISBN
2011				
Shijomon KV, Mr	25. 'Critiquing 'Intention of the Author: A Re-reading of <i>The Scarlet Letter</i> ' Conference Proceedings,	DEC, Christian College, Chengannur.		
Shijomon KV, Mr	26. 'Visual Rhetoric: Re-creation of Visual Language' in Multilingual World' Conference Proceedings,	PGDE Catholicate College, Pathanamthitta		
2010				
Eldhose A Yoyakky, Mr.	27. 'Politics Behind Humanizing Ramanan: A study with Reference to the Film <i>Raavan</i> by Mani Ratnam' in <i>Re-visitations</i> .	St Joseph College, Irinjalakuda	49-53.	
Joseph Koyippally, Dr.	28. 'Sumesi Prison', <i>First Proof</i> :	Penguin India, New Delhi,	197-204	9780143415510
Prasad Pannian, Dr.	29. "Edward Said and the Politics of Subjectivity", in <i>Counterpoints: Edward Said's Legacy</i> Ed. May Telmissany and Stephanie Tara Schwartz	Cambridge Scholars Publishing, New Castle upon Tyne, UK	69-81	101443820660
Shijomon KV, Mr	30. "Critiquing the Intention of the Author: A Re-reading of <i>The Scarlet Letter</i> ".	Rainbow Books, New Delhi.		
Vellikkeel Raghavan, Dr.	31. 'Dalits' Historical Tryst with English: A Reassessment of Mulk Raj Anand's <i>Untouchable</i> . 'Critical Studies on Indian English Literature. Ed. M. F. Patel,	Sunrise, Jaipur, pp.	128 - 143.	9788171326303

EDITED BOOKS

Author	Edited Book	Publisher	Year	ISBN
Prasad Pannian, Dr. Ed.	1. <i>The Public Intellectual, Humanities Circle 4(1)</i>	CUK, Kasaragod	2016	23218010
Prasad Pannian, Dr. Ed.	2. <i>Anthropocene and the Human Sciences, Humanities Circle 3(2)</i>	CUK, Kasaragod	2015	23218010
Prasad Pannian, Dr. Ed.	3. <i>Democracy and its Discontents, Humanities</i>	CUK, Kasaragod	2015	23218010

Author	Edited Book	Publisher	Year	ISBN
	<i>Circle 3(1)</i>			
Rukhaya MK, Ms. Ed.	4. <i>The Discourse</i> (since April 2015)		2015	2278 0920
Joseph Koyippally, Dr. Dr. (Co-Ed.)	5. <i>The Languages of Kerala and Lakshadweep: PLSI-Vol. 15</i>	Orient Blackswan, New Delhi	2014	97881 25056270
M. Dasan. Prof. (Dr.) Co-Ed.	6. <i>Counter cultural Discourse and Dalit Literature in India</i>	ABD Publishers, Jaipur	2014	97881 83764414
Vellikkeel Raghavan, Dr. Ed.	7. <i>Individual Agency Vs Hypermediated World. Humanities Circle, 2(2)</i>	CUK, Kasaragod	2014	23218010
Vellikkeel Raghavan, Dr. Ed.	8. <i>Politics of Mobility and Identity. Humanities Circle, 2(1)</i>	CUK, Kasaragod	2014	23218010
Rukhaya MK, Ms. (co-Ed.)	9. <i>Inklings.</i>	Allahabad: Cyberwit	2013	97881 82533714
Vellikkeel Raghavan, Dr. Ed.	10. <i>Discourse of Disposessions. Humanities Circle, 1(2)</i>	CUK, Kasaragod	2013	23218010
Vellikkeel Raghavan, Dr. Ed.	11. <i>Post 9/11. Humanities Circle, 1(1)</i>	CUK, Kasaragod	2013	23218010
M. Dasan. Prof. (Dr.) co-Ed.	12. <i>The Oxford-India Anthology of Malayalam Dalit Writing</i>	Oxford Univ. Press, Delhi	2012	0199089400
Rizio B Yohannan, Dr. Ed.	13. <i>Quest of a Discipline</i>	Foundation Books, Bengaluru	2012	97881 75969339
M. Dasan. Prof. (Dr.) Co-Ed	14. <i>Mapping Marginality: Premises and Perspectives</i>	Emerald, Chennai	2011	97881 79663066
Prasad Pannian, Dr. Ed.	15. <i>The Strange Case of Dr. Jekyll and Mr. Hyde</i> (with a Critical Introduction)	DC Books & EC Media, Bangalore & Kottayam	2011	97881 26433407
Prasad Pannian, Dr. Ed.	16. <i>The Scarlet Letter</i> (with a Critical Introduction)	DC Books & EC Media, Bangalore & Kottayam	2010	97881 26427499

BOOKS / SINGLE/CO-AUTHORED BOOK

Author	Book	Publisher	Year	ISBN
Efthikar Ahamed B., Dr.	1. <i>Edasseri Govindan Nair: The Bard of Kerala</i>	Samayam, Kannur	2016	97811 91070626
Manjusha, Ms	2. (Forthcoming). <i>Nanajja Diverted the River</i> (Translation)	Oxford Univ. Press: New Delhi	2016	
Prasad Pannian, Dr.	3. <i>Edward Said and the Question of Subjectivity</i>	Palgrave Macmillan, New York & London	2016	97811 37548641

Rukhaya MK, Ms.	4. (Forthcoming) <i>Indian Writings in English: A Literary Companion</i> .	Authorspress India, New Delhi.	2016	97881 72737610
Efthikar Ahamed B., Dr.	5. <i>Vishwasaahithya Jaalakam</i>	Samayam Publications, Kannur	2013	
Joseph Koyippally, Dr.	6. <i>Goat Days</i> (Translation) <i>Adujeevitham</i> (Mal.), Benyamin	Penguin Books, New Delhi	2012	97801 43416333
M. Dasan, Prof. (Dr.)	7. <i>Theyyam: Patronage, Appropriation and Interpolation:</i>	Kannur Univ., Kerala,	2012	97881 92429403
Vellikkeel Raghavan, Dr.	8. <i>Agitation Propagation Propaganda Theatre</i>	Unistar Books, Chandigarh	2009	9781 71429173

23. Details of patents and income generated

Copyrights of some books published are with the faculty.

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Name of the Faculty		Country	Lab/Institution/Industry Visited
Prasad Pannian, Dr.	12 - 19 June 2016	USA	'Why Marx Today?', New School for Social Research's Institute for Critical Social Inquiry, New York City, USA (Fellow in the Seminar with Gayatri Chakravorty Spivak)
M. Dasan, Prof. (Dr.)	1 - 4 April 2016	Australia	'Translating Dalit/Tribal texts into English', 'Literary Commons' organized by Monash University, Melbourne.
M. Dasan, Prof. (Dr.)	9-13 April 2014	South Africa	'Poetry of Re(z)sisters: Militancy in South African Black Women and Indian Dalit Women Poems: A Comparison' 10th Annual Conference of the African Literature Association Wits University, Johannesburg,
Vellikkeel Raghavan, Dr.	2016	Hungary	Full SUN Scholarship on Documentary Film, Central European University, Budapest,
Vellikkeel Raghavan, Dr.	2015 - 2018	India	Associateship, Indian Institute of Advanced Study (IIAS), Shimla
Shalini M, Dr.	1-12 July 2013	London	London Critical Theory Summer School Birkbeck Institute of Humanities, University of London
Prasad Pannian, Dr.	2013	India	Theory/Praxis Workshop, Institute of Development Studies, Jaipur
Prasad Pannian, Dr.	2013	USA	School of Criticism and Theory (SCT) at Cornell University, Ithaca, New York,
Prasad Pannian, Dr.	2012	India	'School on Gandhi', Indian Institute of Advanced Studies, Shimla,
Prasad Pannian, Dr.	2012	UK	London Critical Theory Summer School, Birkbeck Institute for Humanities (11-22 June)

Name of the Faculty		Country	Lab/Institution/Industry Visited
Vellikkeel Raghavan, Dr.	2011	Canada	Graduate Centre for Study of Drama, University of Toronto, Canada,
Vellikkeel Raghavan, Dr.	2011	India	Film and Television Institute of India (FTII), Pune
M. Dasan, Prof. (Dr.)	Oct.2010	China	'Chinese Canadian Women and the Eternal Immigrant Experience' Beijing Foreign Studies University,
M. Dasan, Prof. (Dr.)	2010	Cuba	'Indigenous Performing Traditions and Cultural Appropriation', University of Holguin.
M. Dasan, Prof. (Dr.)	2010	Cuba	'Indigenous Peoples and Alternative Education', University of Holguin.
Prasad Pannian, Dr.	2008	Canada	Carlton University and Ottawa University,

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Faculty Serving in	Details
Editorial Boards	Efthikar Ahamed B., Dr., Brennen Journal of Multidisciplinary Studies (2231-5489) Vellikkeel Raghavan, Dr., Founder Editor of Humanities Circle: International Journal of Central University of Kerala (2013-2014) Prasad Pannian, Dr., Editor of Humanities Circle, the International Journal of Central University of Kerala (from Summer 2015)
National committees	Efthikar Ahamed B., Dr., Member, PG Board of Studies, Kannur University
International committees	(Dr. Prasad Pannian as Guest Faculty at the Global Centre for Advance Studies (GCAS) in the United States.

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Vellikkeel Raghavan, Dr.	2016. Course on Documentary Film, Central European University, Budapest, Hungary. July 01-10.
Dr. Prasad Pannian	2016. Fellow in New School for Social Research's Institute for Critical Social Inquiry, June 12-19.
Efthikar Ahamed B., Dr.	2016. National Workshop in ELT (UGC Sponsored), 3 rd & 4 th Nov, Dept. of English, SARBTM Govt. College, Koyilandi, Calicut.
Dr. Vellikkeel Raghavan	2014 International Screen writing Workshop. 07-14 June , IIT, Madras
Prasad Pannian, Dr.	2014. Session of Theory & Praxis Course, Forum for Contemporary Theory, at the Institute for Development Studies, Jaipur 16June to 12

Name of the Faculty	Programme attended
	July.
Efthikar Ahamed B., Dr.	2015. National Workshop in ELT (UGC Sponsored), 24 th & 25 th Nov, PG Dept. of English & Research Centre, Govt. Brennen College, Thalassery, Kannur.
Shalini M. Dr.	2013. London Critical Theory School, 01-12 July 2013, at Birkbeck Institute for Humanities, London.
Efthikar Ahamed B., Dr.	2013. Orientation for the NSS Programme Officers, 28 th Nov to 4 th Dec. Empanelled Training Institute, Rajagiri College, Kalamassery
Prasad Pannian, Dr.	2013. Session in School of Criticism and Theory (SCT) at Cornell University, from 16 June to 26 July. Ithaca, New York.
Efthikar Ahamed B., Dr.	2013. Workshop for the Internal Mentors of Walk with a Scholar Programme, 4 th & 5 th Nov. Director of Collegiate Education, Kerala.
Vellikkeel Raghavan, Dr.	2012. International Screenwriting & Film Making Workshop, 01 June to 10 June, School of Humanities and Social Sciences, Indian Institute of Technology, Madras.
Prasad Pannian, Dr.	2012. London Critical Theory School at Birkbeck Institute for Humanities, UK (11-22 Jun)
Joseph Koyippally, Dr.	2012. Theatre Workshop, 19 March to 01 April, DCL Literature, CUK
Vellikkeel Raghavan, Dr.	2012. Theatre Workshop, 19 March to 01 April, DCL Literature, CUK
Prasad Pannian, Dr.	2012. Winter School on 'Life and Thought of Gandhi', 1-15 Dec, Indian Institute of Advanced Studies, Shimla
Vellikkeel Raghavan, Dr.	2011. International Level Film Appreciation Course (FAC), 16 May-11 June, , Film and Television Institute of India (FTII), Pune and Nations Film Archive of India (NFAI), Pune.
Dr. Prasad Pannian	2011. International Summer Course on "Philosophy for Social Sciences and Humanities-Banality of Evil, 4-15 July, Manipal Centre for Philosophy and Humanities, Manipal University
Dr. Prasad Pannian	2011. International Workshop on Sciences and Narratives of Nature: East and West. 12-14 Dec., the Manipal Centre for Philosophy and Humanities
Efthikar Ahamed B., Dr.	2011. National Workshop for ELT Textbook preparation, 23-26 June, Institute of English, Kerala Univ, Trivandrum.
Joseph Koyippally, Dr.	2010. 'Design of Training', Department of Personnel and Training, Government of India, 13-17 Sept., BPCL, Kochi.
Joseph Koyippally, Dr.	2010. 'Direct Training Skills', Department of Personnel and Training, Government of India, 26-30 Jul., BPCL, Kochi.
Joseph Koyippally, Dr.	2010. International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges, 25-26 March, Dept. of Comparative Literature, CUK.
Prasad Pannian, Dr.	2010. International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges, 25-26 March, Dept. of Comparative Literature, CUK.
Vellikkeel Raghavan, Dr.	2010. International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges, 25-26 March, Dept. of Comparative Literature, CUK
Vellikkeel	2010. National Chapter Leaders Workshop of English Language

Name of the Faculty	Programme attended
Raghavan, Dr.	Teachers Association of India, 18-19 April, British Council India, Chennai and English Language Teachers Association of India.
Efthikar Ahamed B., Dr.	2010. National Youth Policy Pilot Training Workshop, 27 th & 28 th Sep. Rajiv Gandhi National Institute for Youth Development, Chennai
Efthikar Ahamed B., Dr.	2010. Training Programme in General Informatics, 18 th to 20 th Nov. Kerala State Higher Edn. Council, KMMGWC Kannur
Efthikar Ahamed B., Dr.	2009. Methodology of Languages & Humanities Orientation, 11 th Aug. Kerala State Higher Edn. Council, KMMGWC Kannur
Efthikar Ahamed B., Dr.	2009. UG Syllabus Restructuring Workshop, 5 th to 6 th & 18 th to 20 th March. Pedagogical Institute, Kannur Univ., Kannur
Efthikar Ahamed B., Dr.	2009. UGC Sponsored Refresher Course in ICT (Interdisciplinary), 10-30 November. Academic Staff College, Kannur Univ.

28. Student projects • percentage of students who have done in-house projects including interdepartmental projects • percentage of students doing projects in collaboration with other universities / industry / institute

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/ industry/ institute	All PhD Students consult national and state universities and libraries; and resource persons. All MA Students also use resources from state libraries and centres across Kerala for their dissertation

29. Awards / recognitions received at the national and international level by • Faculty • Doctoral / post-doctoral fellows • Students

Awardee	Award
FACULTY MEMBERS	
Prasad Pannian, Dr.	2016. Fellow in the 2016 Seminar on 'Why Marx Today?' with Professor Gayatri Chakaravorty Spivak with a grant from the New School for Social Research's Institute for Critical Social Inquiry (12-19 June)
Vellikkeel Raghavan, Dr.	2016. Central European University, Budapest, SUN Fellowship for Advanced Study on Documentary Film 2016
Vellikkeel Raghavan, Dr.	2014. UGC-Postdoctoral Research Award on Documentary Film 2014-16
Vellikkeel Raghavan, Dr.	2015. Associateship, Indian Institute of Advanced Study, AS, Assoc.ship, 2015-2018
Joseph Koyippally, Dr.	2014. Shortlisted for DSC Prize for South Asian Literature (for <i>Goat Days</i> , Penguin, English) 2014 at Jaipur Literary Festival.
Efthikar Ahmad B, Dr.	2013. Malayala Manorama Prize for Short Story, April 2013
Joseph Koyippally, Dr.	2013. Longlisted for 'Man Asia Booker Prize 2013' (for the translation <i>Goat Days</i> , Penguin, New Delhi, English) 2013
Dr. Shalini M.	2013. Fellow in London Critical Theory Summer School at Birkbeck Institute for Humanities, University of London
Prasad Pannian, Dr.	2013. Fellow in UGC-Cornell University Matching Fellowship:

	Session of School of Criticism and Theory, Cornell University, Ithaca, New York, USA.
Prasad Pannian, Dr.	2012. Discussant in London Critical Theory Summer School (11-22 June) at Birkbeck, University of London at Birkbeck School of Humanities
M. Dasan, Prof. (Dr.)	2010. Translation of Malayalam Dalit Writing (2010-12) (financial assistance from Govt. of Kerala).
STUDENTS	
Ms. Rukhaya, M. K	Top 1000 Yahoo Voices (international level), 2013
Ms. Rukhaya MK	Women's Domination award, short-story, Forgotten Writers' Foundation, Egypt

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Event and coordinator	Date	Funded by	Outstanding Participants
1. National Workshop on 'Thinking through Frames: Capturing and Decoding Photographic Texts' (Dr. Vellikkeel Raghavan)	11-12 March 2016	CUK	Helmuth Conz (Germany), Ajeeb Komachi, Josekutty Panackal, Baby S, Dr. Ratheesh Koliyadan, Ajith Aravind, Seema Suresh
2. National Symposium on "Democracy and its Discontents" (Dr. Prasad Pannian)	18 Sept 2015	CUK	Sandeep Sastri, G Gopakumar, K M Seethi, J Prabash, EV Ramakrishnan
3. Symposium on the 'Discourse of Endosulfan: Toxic Bodies and Corporate Poisons' (Dr. Prasad Pannian)	19-20 February 2015	CUK	Leelakumari Amma, Sreepadre, Dr. YS Mohankumar, Mr. Civic Chandran,, Mr. C. Jayakumar, Prof. MA Rahman, Prof. Ambikasuthan Mangad, Mr. Madhuraj, Dr. Muhammad Asheel, Mr. Sachin Narayanan, Mr. KR Manoj, Dr. Biju, Mr. Manoj Kana, Dr. Sreekumar
4. National Symposium on 'Everyday Life' (Dr. Prasad Pannian & Dr. Shalini M.)	27-28 March 2013	CUK	Prof. Gopal Guru, Prof. Shiv Visvanathan, Prof. Sunder Sarukkai, Prof. Udayakumar, Dr. CS Venkiteswaran, Prof. P. P. Raveendran
5. International Conference on 'Traditions of Dissent in Sub Continental Literatures and Cultures' (Dr. Joseph Koyippally)	15-17 Oct 2012	CUK, CLAI	Prof. Dorothy Figuiera, Prof. Jancy James, Prof. Jasbir Jain, Prof. GN Devy, Prof. Senath Walter Perera, Prof. Harish Trivedi, Prof. EV Ramakrishnan, Prof. Chandramohan, Prof. AK Singh, Prof. Ipshita Chanda, Prof. Prabodhachandran Nair
6. National Interactive Workshop 'Image-Stage-Page' (Dr. Rizio Yohannan)	7-8 Oct 2011	CUK	Prof. HS Shivaprakash, Dr. Rich Rice, Ms. Maya Krishna Rao, Ms. Madhushree Dutta, Mr. Sadanand Menon, Dr. Kanika Batra, Ms. Aparna Sharma
7. National workshop on 'The Impact of Bible	17 Mar 2011	CUK	Prof. Mathew Vellanickal, Prof. George Kurikkoor, Prof. Scaria

Event and coordinator	Date	Funded by	Outstanding Participants
Translation on Indian Languages and Literatures' (Dr. Joseph Koyippally)			Zacharia, Swami Viviktananda, Dr. Rosy Thampi, Prof. Jayakumar
8. International workshop on 'Curriculum Development for Comparative Literature: Scope and Challenges' (Dr. Prasad Pannian)	25-26 Mar 2010	CUK	Prof. Dorothy Figuiera, Prof. Sigield Bogumil, Prof. Harish Trivedi, Prof. EV Ramakrishnan, Prof. Chandramohan, Prof. AK Singh, Prof. Ipshita Chanda, Prof. Scaria Zacharia,, Ms. Mini Krishnan
9. National Seminar on 'Englising Dalits: Questions of Caste, Colonialism and Nationalism' (Dr. Vellikkeel Raghavan)	11 Mar 2010	CUK	Dr. Chandrabhan Prasad, Ms. Meena Kandaswamy, Dr. Shyam Babu, Prof (Dr.) M. Dasan, Dr. Tharakeswar Prasad

31. Code of ethics for research followed by the departments

The Department strictly adheres to the UGC Ph. D. regulations and reservation guidelines in the selection of candidates on meritorious basis, internal monitoring and review of the progress of the work and in the submission of thesis. The Departmental Research Committee of the Department, through the respective Doctoral Committees, urges the candidates and research supervisors to keep vigil against instances of plagiarism.

A plagiarism detection mechanism is in practice at the University (Shodhganga sponsored by the INFLIBNET). On the direction of the Departmental Research Committee of the Department, the respective Doctoral committees ensure that before the submission of the thesis, the candidate get clearance from the University Cell constituted for this purpose that the thesis is free of plagiarism.

32. Student profile programme-wise: Student profile programme-wise: Name of the Programme (refer to question no. 4) Applications received Selected Male Female Pass Percentage Male Female

Name of the Programme	Applications received	Selected		Category admitted							Pass %	
		Male	Female	GEN	OBC	SC	ST	PH	DEF	KASH	Male	Female
M. A. 2016-17	792	4	25	13	7	4	2				100	100
M. A. 2015-16		6	18								100	100
M. A. 2014-15	235	4	18	13	5	2	2				100	100
M. A. 2013-14		4	15								100	100
M. A. 2012-13	163	2	20	13	7	2					100	100
M. A. 2011-12	110	6	12	10	6	1					100	100
M. A. 2010-	40	3	8	7	4						100	100

11												
M. A. 2009-10	13	3	10	7	5			1	1		100	100
Ph. D. 2016-17	25	8	15								NA	NA
Ph. D. 2015-16												
Ph. D. 2013-14												
MPhil 2012-13	22	1	6	3	4						0	80
MPhil 2011-12	18	6	5	6	4	1					100	85
MPhil 2010-11	3	0	2	2							50	50

33. Diversity of students Name of the Programme (refer to question no. 4) % of students from the same university % of students from other universities within the State % of students from universities outside the State % of students from other countries

Name of the Programme	Same Univ.	Univs within the State	Univs Outside the State	From other countries
M. A. 2016-17	--	28		
M. A. 2015-16	--	22		
M. A. 2014-15	--	22		
M. A. 2013-14	--	19		
M. A. 2012-13	--	20	1	
M. A. 2011-12	--	16	2	
M. A. 2010-11	--	11		
M. A. 2009-10	--	13	1	
Ph. D. 2016-17	1	3		NA
Ph. D. 2015-16				
Ph. D. 2014-15				
Ph. D. 2013-14				
MPhil 2012-13	5	2		
MPhil 2011-12	6	5		
MPhil 2010-11	0	1	1	

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	4
NET	16
SET	6
GATE	NA
KSCSTE Ph. D Fellowships	NA
Others (Maulana Fellowship)	3

35. Student progression

Student progression		Percentage against enrolled
UG to PG		NA
PG to M.Phil.		9%
PG to Ph. D		12%
Ph. D. to Post-Doctoral		NA
Employed	Campus selection	3%
	Other than campus recruitment	15%
Entrepreneurs		

36. Diversity of staff

Percentage of faculty who are graduates of	As on August 2016
the same university	0
universities within the State	70%
universities from other States	30%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Everyone has PhD During the assessment period.

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department from time to time, which are acquisitioned by the main library.
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet connectivity
Total number of class rooms	3
Class rooms with ICT facility	3
Students' Laboratories	1 (30-seat fully digital language lab which has about 3000 hours of self-learning English language proficiency and corrective programmes)
Research Laboratories	N.A.

39. List of doctoral, post-doctoral students and Research Associates

(Category)	Doctoral Students (Acc. to the year of registration)	Post-Doctoral Students	Research Associates
a) from the host institution/ university	<ol style="list-style-type: none"> 1. 2012. Ms. Indu Mary Yesudasan 2. 2013. Mr. Eldhose A. Yoyakky 3. 2013. Mr. Shijomon KV 4. 2014. Ms. Honey Joseph 5. 2014. Ms. Jayalakshmi E 6. 2014. Ms. Manju VV 		

	7. 2014. Ms. Manjusha 8. 2014. Ms. Mary Haritha MC 9. 2015. Ms. Neethu Das K 10. 2015. Ms. Shalini S 11. 2015. Ms. Vanisree VR 12. 2016. Ms. Sreekala KB		
b) from other institutions /universities	1. 2013. Ms. Sara Mariam Roy 2. 2013. Ms. Micah K Thambi 3. 2013. Ms. Maneesha K 4. 2013. Ms. Rukhaya Mohammad Kunhi 5. 2013. Mr. Biju VK 6. 2013. Ms. Sapna Prasad 7. 2013. Mr. Aby Abraham 8. 2015. Mr. Antony George 9. 2015. Mr. Anu Lal 10. 2015. Mr. Subin Scaria 11. 2015. Mr. Jeeva Krishnan K 12. 2015. Mr. Joshua G 13. 2016. Ms. Parvathy M.S. 14. 2016. Ms. Indu R. 15. 2016. Mr. Abdul Samad K		

40. Number of post graduate students getting financial assistance from the university.

Programme	Merit	Merit Cum Means	Total
M. A. 2016-17			<u>48</u>
M. A. 2015-16			<u>43</u>
M. A. 2014-15			<u>60</u>
M. A. 2013-14			<u>74</u>
M. A. 2012-13			<u>54</u>
M. A. 2011-12			<u>46</u>
M. A. 2010-11			<u>12</u>
M. A. 2009-10			

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The curriculum of the PG programme in English & Comparative Literature was designed in consultation with experts from the academia, industry and the social community around. An international workshop on ‘Curriculum Development for Comparative Literature: Scope and Challenges’ was organised by the Department from 25-26 Mar 2010 as part of its need assessment exercise before the development of the new programme. In addition to academicians of national/international repute, the workshop also brought together veterans from the academic, literary and social community around to elicit their views on the academic and social priorities to be considered in the adoption and implementation of the programme, the research and career prospects of the programme, the challenges and potential crises to be addressed, etc. The focal concern in the adoption of the programme was the scope for interdisciplinary studies, meaningful local-global interaction and the cultivation and promotion of the personal, academic and social skills of the students. Pooling together the inputs from the Workshop and the informal discussions with peer groups across the nation and with locally available

academicians and social and literary figures, the faculty developed a draft curriculum, which was submitted to the Board of Studies for approval.

Based on students' Feedback, Faculty inputs and suggestions of the School, the Department thoroughly revised the syllabus in 2015-16 and placed it in the Board of Studies. The Syllabus, as approved by the BoD and Academic Council has been introduced since 2016-17.

42. Does the department obtain feedback from

a. On feedback obtained from faculty on curriculum as well as teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The Faculty Council in its end semester meeting reviews the curriculum as well as the teaching-learning evaluation processes and pools together the feedback of the individual course instructors on the following:

- Success in realization of the objectives of the curriculum
- Student responses on
 - a) curriculum content, delivery and modes of (external and internal) evaluation
 - b) the academic and professional relevance of the curriculum
 - c) the practical difficulties they experienced in achieving the desired objectives
 - d) the difficulty level of the curriculum content and
 - e) the objectivity, fairness, transparency in the evaluation process and its suitability in assessing the level of assimilation of the curriculum content.
- Challenges/difficulties faced in the attaining the targeted objectives
- Possibilities for revision/improvement

The feedback collected is utilized for curriculum revision. Individual course instructors are advised by the Faculty Council to make necessary changes in the mode of curriculum transaction, taking into consideration the learning difficulties/requirements/levels of the students. The Faculty Council also recommends modifications in the type and difficulty level of the individual components of internal and end semester evaluation.

b. On students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback.

At the end of every semester, students furnish their feedback on the staff, curriculum content and delivery, and the modes of evaluation, in the feedback forms furnished by the Department.

The Faculty Council discusses the feedback in its end semester meeting and evolves measures for addressing the shortfall and improving the effectiveness of the teaching and evaluation processes. Students who are found lagging behind in the realization of the targeted objectives are referred to the respective tutorial advisor, who, in consultation with the course instructor, makes arrangements for remedial assistance.

Each student in the PG course is assigned to a faculty member to be mentored. Every faculty member has 8-10 students to mentor every year and their meetings are scheduled in the Department schedule. The feedback given by the students and their progress are reported in the Faculty Council Meetings which are scheduled every Tuesday. The feedback helps the Course in Charge of each semester to advise the batch as a group also.

c. On alumni and employers on the programmes offered and how does the department utilize the feedback.

At present, the Department does not have a formal mechanism for collecting feedback from the alumni and employers. The alumni of the department, teaching at various institutions in the state and outside visit the department and through Facebook forums it is active in offering suggestions and disseminating information. However, the Department regularly organises conferences/seminars/workshops/symposia/, on the side-lines of which the faculty engage in discussions with the alumni and potential employers to elicit their feedback on the programmes offered. There is also a Facebook group of the Department with many of its alumni as members, which serves as a site of discussions/feedback on the academic programmes of the Department. The feedback is discussed in the Faculty Council, which drafts recommendations for making the programmes up-to-date and match higher studies and career requirements. The individual course instructors incorporate the recommendations/suggestions of the Faculty Council, made on the basis of the feedback collected, into the curriculum at the time of revision.

43. List the distinguished alumni of the department (maximum 10)

The first batch of students passed out in 2011. The alumni of the Department work as faculty members in various colleges in Kerala and in other Indian states. Some others are pursuing research in Indian universities like Jawaharlal Nehru University, English and Foreign Languages University, Central University of Gujarat, Central University of Rajasthan, Hyderabad Central University etc.

1. Mr. Abdul Hameed PA (MA 2009-11) Asst. Professor in English, Zakir Hussein College, New Delhi.
2. Ms. Anju Upendran (MA 2012-14) PhD Scholar, Hyderabad Central University, Hyderabad
3. Ms. Aparna R (MA 2012-14) PhD scholar, Hyderabad Central University, Hyderabad
4. Ms. Ayeshat Shamah Rahmath (MA 2009-11, MPhil 2013 batch) PhD scholar, University in Malasia,
5. Mr. Jeeva Krishnan K (PhD 2014) Asst. Professor in English, MG College, TVM, Kerala;
6. Ms. Nimmi Indukumar (MA 2012-14) PhD scholar, Jawaharlal Nehru University, New Delhi
7. Mr. Sambhu (PhD 2014) Asst. Professor in English, MG College, TVM, Kerala;
8. Mr. Sandeep (MA 2012-14) PhD Scholar, Hyderabad Central University, Hyderabad
9. Mr. Satchin Joseph Koshy (MA 2010-12), Coordinator, Leela Foundation, New Delhi
10. Ms. Veena S (MA 2012-14), Asst. Professor in English, MG College, TVM, Kerala
11. Ms. Vanisree VR (MA 2011-13; PhD (2014) Asst. Professor in English, Gov. of Karnataka (Listed)

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The Department has been regularly organising seminars, lectures and talks involving distinguished academicians, eminent social and literary figures, environmental activists, noted film directors, etc. as detailed below:

2016

1. Dr. Sanal Mohan (Associate Professor, School of Social Sciences of Mahatma Gandhi University) “Interrogating Caste: Critique of Kerala Modernity” (25 Aug 2016)
2. Dr. Satyanarayana, EFLU, Hyderabad (18 Aug. 2015)
3. Prof. Rajendran (Retred Professor of Sanskrit, Calicut University), Sanskrit Drama: Kalidasa’s Sakunatalam (18 Aug. 2016)

4. Abanty Chakrabarty. One Week Theatre Workshop (16 Jan 24 Jan 2016)
5. Dr. Kaley Mason (Assistant Professor, University of Sorbonne, Paris). Kerala Culture (13 Jan 2016)

2015

1. Dr Sruthi Bala (Assistant Professor in Theatre Studies, University of Amsterdam) Lecture series (16 July 2015)

2014

1. Florian Schybilaski “Kerala Modernity”, Lecture (03 December 2014)
2. PV Shajikumar (Malayalam Writer) *Meet the author VI*: (03 April 2014)
3. Sithara S (Malayalam Writer) *Meet the Author V*: (19 February 2014)
4. Benyamin (Malayalam Writer) *Meet the Author IV*: (21 January 2014)
5. Aishu Veketaraman (Violin artist Artist, UK). *Vivekananda Lecture -III* (01 January 2014)

2013

1. Dr. Makarand Paranjape (Professor of English, JNU). *Vivekananda Lecture - II* (10 December 2013)
2. Swamy Viviktanda Saraswathi (Head, Chinmaya Mission, Kerala), *Vivekananda Lecture - I* (18 October 2013)
3. Prof. Kunal Chattopdyaya (Professor of Comparative Literature, Jadavpur University, Calcutta) ‘Comparative Literature’ Lecture series (13-16 May 2013)
4. Prof. Shiv Visvanathan (OP Jindal Global University) ‘Knowledge Commons’. (12 April, 2013)
5. Prof. B.N. Patnaik, (Professor of English and Linguistics, IIT, Kanpur) ‘Discourse of Power’(11 March, 2013)
6. Dr. KK Chakravarti. (Secretary, Government of India (Retired IAS) and Hon. Chancellor, National University of Educational Planning & Administration, MHRD, Chairperson, Lalit Kala Akademi, New Delhi), on ‘Art and Appreciation’ (1 Mar. 2013)
7. Ms. Preeta Varma. Language Proficiency Diagnostic Test, (15 Feb. 2013)
8. Dr. Hariprasad Lecture on Film Studies (03 February 2013)
9. Prof. Arkadi Nedel, Asst. Professor, Sorbonne University, Paris) Three-part Lectures on Philosophy on 'Phenomenology of Perception', (25 Jan. 2013)

2012

1. Prof. Jancy James (Vice Chancellor, CUK) ‘Comparative Literature: Methodology’ (November 2012)
2. Prof. Jancy James (Vice Chancellor, CUK) ‘Comparative Literary History’ (August 2012)
3. Prof. Prabodhachndran Nayar (Professor of Linguistics, Kerala University), Lecture on ‘Contrastive Phonetics: English and Malayalam’ (20 Oct 2012)
4. Dr. Sara Aboobakar (Kannada novelist) *Meet the author III*: (16 Oct 2012)
5. Dr. M Sreenathan (Associate Professor, Department of Linguistics, CUK), Lecture on ‘Indo-European Homeland’ (11 Oct 2012)
6. Dr. Michael PJ (Director, Knowledge Consortium, UK), ‘Career Options and profiling oneself’ (6 September 2012)
7. Dr. Ravi Mammen, (Research Fellow, SOAS, London) ‘Interrogating Modernity in Kerala’ (4 September 2012)

8. Dr. Thomas Abraham (Personality Development Expert) One day personality development programme, 'I Change' (17 July 2012)
9. UGC NET Coaching Programme II from 03-08 May 2012.
10. AC Sreehari (Malayalam Poet), *Meet the Author II* - 'Minority Literature' (22 March 2012)
11. Manoj Narayanan, Theatre Workshop, 1-14 March 2012

2011

1. Dr. Rich Rice (Assoc. Professor, Texas Tech University, USA) conducted workshop on CV Writing (18 Oct 2011)
2. Prof. HS Shivaprakash (Director of Culture, Indian Embassy in Berlin), *Katha III* - 'Image-Stage-Page' (7-8 Oct 2011)
3. Dr. Rich Rice (Texas Tech University, USA), Workshop on Internet etiquette (23 Sept 2011)
4. Prof. J. Devika, (Associate Professor, CDS, Trivandrum), *DCL Lecture I*. CDS, Thiruvananthapuram 'A Gateway Bigger than a House? Reflections on the 'Pennezhuthu' Debate in Kerala 'and 'Kulasthreeyum Chandappennum Undayathengane?' (11 February 2011)
5. Prof. Sundar Sarukkai. (Professor of Philosophy, Manipal University) *DCL Lecture II*. on 'Language of Culture' (17 February 2011)
6. Prof. Paula Richman (William H Danforth Professor of South Asian Religions, Oberlin College, Ohio, USA), *Katha II* - 'Tragic Hero and the Indian Dramatic Tradition: Ravana' (3 Jan 2011)

2010

1. Anand (Writer, New Delhi), *Meet the Author I*. 'Representation of Nature' (20 Dec 2010)
2. UGC-NET Coaching Programme I: 29 October to 22 December 2010.
3. Prof. Scaria Zacharia (Professor, SSSU, Kaladi) 'Comparative Literature: Epistemology and Thematology', (8 Dec 2010)
4. Mr Chandrabhan Prasad, 'Dalit identity' (12 March 2010)
5. D Shyam Babu (Rajiv Gandhi Institute for Contemporary Studies, New Delhi) (12 March 2010)
6. Prof VB Tharakeswar (EFLU Hyderabad) Prospects of Comparative Literature and Translation Studies (12 March 2010)
7. Prof. MN Karassery (Professor, University of Calicut) *Katha I* - Many Ramayanas. on 'Literary Traditions of North Malabar' (22 Jan 2010)
8. Prof. Paula Richman (William H Danforth Professor of South Asian Religions, Oberlin College, Ohio, USA), *Katha I*. 'The Unique Ramayana Tradition of the South' (22 January 2010)

45. List the teaching methods adopted by the faculty for different programmes.

1. M. A.: ICT aided lecture method, integration of audio/video learning resources such as lectures, interviews, discussions, film/drama/documentary clippings, participatory modes of learning such as Group discussions, seminar presentations, debates, quiz contests, advanced lectures/discussions on research possibilities in the area under discussion, etc. It also uses the online resources and creates online discussion groups through Blogs.
2. Ph. D: ICT aided lecture method, Student presentations and discussions, aided preparation of short research papers, practice sessions on Academic Writing and Research Methodology, invited talks/lectures by experts with emphasis on the focal areas of

research selected by the students, etc. It also uses the online resources like IFLIBNET and Sodhganga, besides creating its own online discussion groups through Blogs.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

End-of-the-year Faculty Council meeting reviews its success in achieving the objectives of its academic programmes, drawing on inputs received through the feedback periodically collected (formally and informally) from all its stakeholders – faculty, students, alumni, peer groups, and local community, etc. The prime objective of the PG and Ph. D. programmes, i. e., the cultivation of interdisciplinary vision through the promotion of a cross-cultural study of texts, traditions, and discourses, is the impelling spirit behind all the curricular and co-curricular activities it organises. In the evaluation process too, the emphasis is on assessing the extent and degree to which the students have acquired the skillset required for realising the course objectives.

It also encourages students of the department to participate and present papers in national and international seminars as its Postgraduate and PhD students present papers regularly in national/international conferences. These include:

2016

1. Mr. Shijomon KV, “Malayali Migration to the Gulf and Diaspora Discourses” National Seminar, organized under the UGC-SAP Programme, Institute of English, University of Kerala (18-19 Mar)
2. Ms. Manjusha. “Liberating the Vernacular: A Case of Pre-Colonial Kannada Literature with reference to Karnataka Kadambari” at National Seminar Department of English, St. Mar Dionysius College, Thrissur, Kerala
3. Ms. Manjusha. “Tracing Alternative modernities in Kerala: A Dalit Context”, National workshop and seminar at Institute of English, Kerala University.
4. Ms. Manjusha. “Translations of Tulu Literature: A Practice towards Identity Formation” at National Interdisciplinary Conference, Department of English Kannur University.
5. Ms. Manjusha. “Why Alternative Modernities in India? The Relevance and Reflections on Kannada Modernity Special Reference to Vachana Movement” at Singularities, International conference, Department of English, Unity College, Manjeri, Kerala
6. Mr. Shijomon KV, “Malayali Gulf Migration and Diaspora Discourses” National Seminar, organized by the Postgraduate Department of English, St Aloysius College, Mangalore. (24 Feb)
7. Ms. Rukhaya MK, ‘The Diasporic Self of Robert Frost. ‘National Seminar on ‘Diaspora and Literature.’ Postgraduate Department of English, Aloysius College, Mangalore, (24 February).
8. Ms. Neethu Das K, “The Queer question in Contemporary Indian Theatre: Conceptualising Colour of Trans 2.0” in an International Conference on “Interactivity and Performance Practice: Local and Global Paradigms” conducted by Indian Society for Theatre held at Research Directorate of Art and Culture, Sanskruti Bhavan, Goa (28-30 Jan 2016).
9. Ms. Rukhaya MK, ‘Manjula Padmanabhan’s Harvest: Bodily Encounter With the (M)other’ International Seminar ‘Singularities International Conference on Power’, Postgraduate School of English, KAHM Unity Women’s College, Manjeri. (12-14 January).

10. Ms. Honey Joseph A. "Power, Religion and Women in Sarah Joseph's Othapp." at the international Conference on "Power", Department of English, KAHM Unity Women's College, Manjeri, Malappuram. (12-14 Jan).
11. Ms. Neethu Das K, "The Colour of Queer in Indian Theatre: A study of Colour of Trans 2.0" in an International Seminar on Gender held at Christ University, Bangalore from (11 - 13 Jan)

2015

1. MS. Micah K Thambi, "Cartooning the Masculine: Reading Chhota Bheem and roll no 21", "Men and masculinities in South India" at Madurai Kamaraj University.
2. Ms. Neethu Das K, "The Colour of Queer in Indian Theatre: A study of Colour of Trans 2.0" National Seminar "Theatre, Theory and Praxis: An Enquiry into Modern Theories of Drama and Theatre" Sree Kerala Varma College, Thrissur. (25- 27 Nov)
3. MS. Micah K Thambi, "Cartoon India: A Problematique of Recreating Myths" National Seminar on "Image, Text and Subjectivity: Visual Culture and the Humanities", Providence College, Calicut on 17th and 18th September 2015.
4. Mr. Subin Scaria, "The Digital Space of Indian Folklores: A Study on the Development of the Folklores of the Present," National Seminar on The Postmodern Pedagogy of Multiple Literacies: A Transdisciplinary Critique of Cultural Studies and Media Effects, Newman College (11-12 August.)
5. Ms. Rukhaya MK, 'The Mechanics of Writing. 'National Seminar on 'Research, Writing, Publishing: How to Build Up Towards Your Academic Career. ' Dept. of English, Govt. College, Kasaragod (24 Marh)
6. Mr. Biju V. K. & Shijomon KV, 'North-East of the Virtual Nation: Branding of Identity in the New Age Media' National Seminar on North-East Indian Culture, Space and other Dimensions (16-18 March)
7. Mr. Shijomon KV, "North East of the Virtual Nation: Branding of the Identity in the New Age Media", National Seminar, Central Institute of Himalayan Cultural Studies, Arunachal Pradesh. (16 to 18 March)

2014

8. Mr. Biju V. K, 'Aesthetics of Negation in the Works of Kunhunni. 'International Conference on Translations and Migrations, Bhaasha Foundation, Pune (21-22 Nov.)
9. Ms. Rukhaya MK, 'Dispossessing Reality: Manjula Padmanabhan's Harvest. 'National Seminar on 'Indian Literatures in English: New Directions, Newer Possibilities', Department of English, Pondicherry University, and GIEWEC, Pondicherry University. (21 March).
10. Ms. Rukhaya MK, 'Gauri Shinde's English Vinglish: Mind Your Language. 'National Seminar on 'Literature, Cinema and Modern Indian Culture. 'Dept. of English, S. N. College, Kannur (7 February)

2013

1. Mr. Shijomon KV, "History and Historical Memory: A Journey through the Memory Sites of the High Ranges", International Seminar, organized by Shillong Campus of the EFL University (7-9 November)
2. Ms. Neethu Das K, "Questioning the Yakshi Tale: A Feminist Reading of Kalliyankattu Neeli" National Seminar "Lusus Naturae: Monsters in Film and Fiction", Christian College, Chengannur, Kerala. (25-27 Sept.)
3. Mr. Shijomon KV, "Recovering Memories of Trauma: Reading Memory Narratives of the High Range Migrants", UGC Sponsored National Seminar, organized by the Department of English, St. Thomas College, Kozhencherry, Kerala (5-6 September).

4. Ms. Honey Joseph A, "Women in Closed Religious and Social Systems: A Reading of Sarah Joseph's Othappu" at the international Conference on "Dalit and Indigenous Studies" at Kannur, Dept. of English, University of Kannur, 23 Mar.
5. Ms. Rukhaya MK, 'Mahesh Dattani's Tara: The Other Side', National Interdisciplinary Conference on 'Minor Subjectivities: Paradigms of Representation and Discourse.' Department of Studies in English, Kannur University Kerala. 27-28 February.
6. Ms. Rukhaya MK, 'An Ecocritical Perspective on Arundhati Roy's The God of Small Things', National Seminar on 'Literary Theory and Practice: Changing Perceptions.' Dept. of English, Govt. College, Kasaragod and sponsored by Dept. of Collegiate Education, Govt. of Kerala. 29 January 2013.
7. Ms. Rukhaya MK, 'Feminism in Girish Karnad's Nagamandala', 'Contemporary Feminisms in India.' Postgraduate Department of English, Aloysius College, Mangalore, Karnataka, 23 January.
8. Ms. Mary Haritha and Krishnapriya S, Translation Workshop, CIIL, Mysore. (participants).
9. Ms. Honey Joseph A, "Lalithambika Antherjanam's Agnisakshi: A Feminist Text." At the national Seminar on "Contemporary 'Feminisms' in India", Department of English, St Aloysius College, Mangalore. 23 January.

2012

1. Ms. Aparna R, 'Narayan's Kocharethi: Aesthetics of the Indigenous', National Seminar 'Comparative Aesthetics in Bhasha Literatures' organised by the Centre for Comparative Literature, School of Humanities, University of Hyderabad (9-10 Nov)
2. Ms. Mary Haritha MC, 'Biblical Motifs in Early and Modern Malayalam Literature: A Selective Reading of the Texts of Arnos Pathiri and Zacharia', international Conference, Traditions of Dissent in Sub continental Literatures and Cultures', CUK, (15-17 Oct.)
3. Mr. Eldhose A. Yoyakky, 'Plays and Counter Plays: a study of Dissent towards Dissent', international Conference on Traditions of Dissent in Subcontinental Literatures and Cultures', CUK, (15-17 Oct.)
4. Mr. Shijomon KV, 'Myths of Kannaki and Mangaladevi: Tracing the Sites of Memory, Philosophy, Religion and Structure', International seminar, St. Andrew's College, Mumbai (28 Jul)
5. Mr. Eldhose A. Yoyakky, 'Alien Mothering and Patriarchal Expansion: Reading of Popular movie Enthiran', National Seminar, SH College Thevara (26-27 Apr.)
6. Mr. Eldhose A. Yoyakky, 'Transition of Myth from Oral Tradition to Public Discourse: a Study of Anil Nadakavu's Street Play *Kalyanasouganthikam*', National Seminar, Govt. College Kasaragod (6-7 Mar.)
7. Mr. Shijomon KV, 'Defining Minority Discourse: A Reading of Kocharethi in comparison to 'Thoughts on African Novel'', CLAI international Conference on 'minority discourses across cultures', CU Rajasthan, Jaipur, (26-28 Feb.)
8. Ms. Jayalakshmi E, 'Crossing the Borders and Breaking the Silences: A study of the Autobiographies of Nalini Jameela and Bhama' CLAI international Conference on 'minority discourses across cultures', CU Rajasthan, Jaipur, (26-28 Feb.)
9. Mr. Shijomon KV, 'Visual Rhetoric: Re-creation of Visual Language in a Multi Lingual World', International Seminar, Catholocate College Pathanamthitta (24 Jan)
10. Honey Joseph A, 'Recurring Motifs and Changing Themes: a Themetological Study of *Agnisakshi*'s Fictional and Film Versions', Scripting Success', National Seminar, St. Joseph College for Women, Alappuzha (23-24 Jan)

2011

1. Mr. Shijomon KV, 'Critiquing the intention of the author: A Re-reading of The Scarlet Letter', National Seminar, Christian College, Chenganoor. (02 Sept)
2. Mr. Abdulhameed PA, 'Englising or Englishing Dalits: the Question of Language as a Tool for Liberation' Pondicherry University (31 Mar.)
3. Mr. Eldhose A. Yoyakky., 'Contextualising Lived Lives: a Dalit Feminist perspective of P Sivakami's The Grip of Change' Pondicherry University (31 Mar.)
4. Ms. Manju V V, 'Dalit Feminism and Modern Indian Theatre: A Study with reference to Baliyadukal' Pondicherry University (31 Mar)
5. Ms. Jayalakshmi E, 'Subversive smruthies: Identity Explosion on the Autobiography of Nalini Jameela', Pondicherry University, (31 Mar.)
6. Mr. Eldhose A. Yoyakky, 'Politics of Humanization of Ravana with special reference to Ravan by 'Maniratnam', St Joseph's College, Iringalakuda (23 Mar.)
7. Mr. Abdulhameed PA, 'Linguistic Interfaces as Intermediary Relationship: Rethinking Arabimalayalam' CLAI international seminar, Dept. of Comparative Literature, Central University of Gujarat, Gandhinagar (3-6 March)
8. Mr. Shijomon KV, "Defining Minority Discourse: Reading Kocharethi in comparison to "Thoughts on African Novel", International Conference, organized by Central University of Rajasthan (26-28 February)
9. Mr. Martin Tom 'Resurgence of Rustic Imagery in Film songs: A Case Study of Lal Jose Films', National Seminar, St Albert's College, Ernakulum (7-8 Feb.)

2010

10. Mr. Abdulhameed PA, 'The Dimensions of Popularity: Mappilappattu as Popular Music', Deurbai Memorial National seminar Jadavpur University, Calcutta (15-16 Dec.)
11. Ms. Krishnapriya S, at the UGC Sponsored National Seminar, St Albert's College, Ernakulum (7-8 Feb. 2011).; 'The Lyric and Development of Media', Deurbai Memorial National seminar Jadavpur University, Calcutta (15-16 Dec.)
12. Ms. Sreedevi TK, 'Popularity of Folksongs and Televisualisation', Deurbai Memorial national seminar, Jadavpur University, Calcutta (15-16 Dec.)

47. Highlight the participation of students and faculty in extension activities.

The students and faculty of the Department enthusiastically take part in extension activities – academic, social, environmental and creative. Examples of such noteworthy participation are detailed below:

2016

1. Jun. 12. Prasad Pannian, Dr. Fellow in the 'Why Marx Today?' seminar with Professor Gayatri Chakravorty Spivak at the New School for Social Research's Institute for Critical Social Inquiry from, New York City, US (Jun. 12-19)
2. Jun.10. Joseph Koyippally, Dr. 'Shakespeare Translations in Malayalam', St. Xavier's College, Aluva (Rebecca Grace Thomas Lecture, Invited Lecture.
3. Apr. 30. Joseph Koyippally, Dr. Multilingualism in Kerala', 'Managing Multilingualism and Translation as a Strategy', National Seminar, Kuvempu Bhashabharati Pradhikara, Bangalore Invited presentation.
4. Apr. 13. M. Dasan, Prof. (Dr.). International Conference on pluaralism and multiculturalism in teaching and research of English Language and Literature at VIT University, Chennai,

5. Apr. 3. M. Dasan, Prof. (Dr.). International Conference on: Literary Commons: Writing Australia, India in the Asian Country with Dalit Indigenous and Multi lingual Tongues at Monash University, Melbourne, Australia
6. Mar. 21. Prasad Pannian, Dr. 'Politicizing Aesthetics' Department of English, Saadiya Arts and Science College: Inaugural -Key Note Address
7. Mar. 16. Joseph Koyippally, Dr. 'Research Methodology for Literary Studies', Malayalam University, Tirur, Malappuram. Invited Lecture (1 Feb) Invited Lecture.
8. Feb. 27. M. Dasan, Prof. (Dr.). International Conference on Voices of the oppressed and the Marginalised at Gujarat Dalit Sahitya Academy.
9. Feb. 22. Prasad Pannian, Dr. 'Inclusiveness and Affiliation: Towards a Climate of New Humanities' International Seminar on Multicultural India: Inclusiveness and New Humanities, Pondicherry University Invited Lecture.
10. Feb. 19. Joseph Koyippally, Dr. 'Why do Civilizations Clash? Revisiting the Huntington Thesis', National seminar on 'Orient and Occident: Synthesising Philosophical Heterogeneity', PG Department of English, Government College, Malappuram, Invited presentation
11. Feb. M. Dasan, Prof. (Dr.). 'Canadian Drama and Theatre', 2- day Workshop, Area Studies Centre, Kerala University.
12. Jan. M. Dasan, Prof. (Dr.). 'Representation of the Subaltern in the Media', National Seminar, Sullamussalam Science College, Areekode.

2015

1. Oct. M. Dasan, Prof. (Dr.). 'Counter-writing and Theatre', National Seminar at Hyderabad Central University,
2. Oct. 28. Eftthikar Ahamed B., Dr. 'Bio-Pic Movies' at the UGC Sponsored National Seminar, EKNM Govt. College, Elerothattu Paper
3. Oct. 6. Prasad Pannian, Dr. National Planning Meeting & Workshop in connection with the establishment of Centre for Endangered Languages, Viswabharati, Shantiniketan, West Bengal Delegate as Dean, SLCL/CUK.
4. Sept. 18 Prasad Pannian, Dr. 'Democracy and its Discontents' Release of the Special Issue of Humanities Circle 3, Central University of Kerala. Opening Speech.
5. Sept. 14. Prasad Pannian, Dr. 'The Implementation of Hindi in South India' National Hindi Day, the Conference Hall, Central University of Kerala: Presidential Speech
6. May. 26. Vellikkeel Raghavan, Dr. 'Of a Permanent State of Exception: Manipur and Haobam Paban Kumar's AFSPA 1958', National Seminar 21st Century Indian films, Indian Institute of Advance Study, Shimla. Invited Lecture
7. Mar. 16. Joseph Koyippally, Dr. 'Theorising Diaspora', Malayalam University, Tirur, Malappuram . Invited Lecture.
8. Mar. 9 M. Dasan, Prof. (Dr.). 'Recent trends in Film and Theatre Studies', ASC, Calicut University, January
9. Feb. 19. Prasad Pannian, Dr. 'The Slow Violence of Endosulfan' Symposium on The Discourse of Endosulfan: Toxic Bodies & Corporate Poisons' Department of Comparative Literature on. Coordinator and introductory lecture.
10. Jan. 22. Joseph Koyippally, Dr. Writer-Translator Interaction in the Context of Goat Days, National Seminar on 'On the Margins of Many Cultures: Narrating Diaspora Consciousness' (Marthoma College, Thiruvalla) invited Lecture.
11. Jan. 14. Joseph Koyippally, Dr. 'Education and Swami Vivekananda's vision of India', Seminar on Youth and Development at District Youth Convention by Nehru Yuva Kendra, MoYA&S, GoI, and DSYA, GoK, Collectorate Conference Hall, Kasaragod). Lecture.

12. Jan. 8. Joseph Koyippally, Dr. 'Translator's Choice', National Seminar on Narration and Transcreation: Experience of Aadujeevitham (Mahatma Gandhi Government Arts College, Mahe,) Keynote speaker.
13. Joseph Koyippally, Dr. 'Comparative Literature', (Refresher Course, Comp. Lit, Kannur University, Kannur.
14. Prasad Pannian, Dr. 'The Future of English Studies in India' at Dr. Ambedkar Arts & Science College, Periyar: Invited Lecture
15. M. Dasan, Prof. (Dr.). 'Indigenous Cultures and Performing Traditions', Sree Sankara Sanskrit University, Kalady,
16. M. Dasan, Prof. (Dr.). 'Indigenous Peoples and Land Rights' Conference on World Indigenous peoples Day.
17. M. Dasan, Prof. (Dr.). June. 'African American Theatre', ASC, Kannur University.

2014.

1. Dec. 21. Prasad Pannian, Dr. 'Critical Theory in the Era of Anthropocene: The Slow Violence of Endosulfan in Kasaragod' XVII International Conference on Re-Imagining Theory: Towards New Horizons in the Humanities and the Social Sciences, Forum on Contemporary Theory and The International Lincoln Centre for American Studies, Louisiana State University, Shreveport, USA at Goa. Fellow, Paper.
2. Dec. 17. Joseph Koyippally, Dr. 'Limits of the Text and Liminality of the Translator', National Seminar on Text, Translation and Transcreation' (Mar Athanasius College, Kothamangalam, Kerala). Keynote Speaker.
3. Dec. 2. Joseph Koyippally, Dr. 'Translation and Comparative Literature' (Refresher Course, Comp. Lit. PKRMC, Neeleswaram,
4. Nov. 27. Eftthikar Ahamed B., Dr. Faculty Development Programmes of HSST at Govt. Higher Sec. School, Hosdurg Invited Talk
5. Nov. 14. Eftthikar Ahamed B., Dr. 'Understanding Culture Studies' at the UGC Sponsored National Seminar, PK Rajan Memorial Centre, Kannur University, Neeleshwar Invited Talk on
6. Nov. 12. Eftthikar Ahamed B., Dr. for the Faculty Development Programmes of HSST at SKMJ Higher Sec. School, Kalpetta Invited Talk
7. Oct. 15. Joseph Koyippally, Dr. 'An Indian SWOT on Gulf ELT', National Seminar, The Opportunities in Teaching English in the Middle East (DUA College, Vazhakkad, Malappuram, Kerala). Keynote speaker.
8. Sept. M. Dasan, Prof. (Dr.). 'First Nation Canadian Literatures of Canada'. ASC, Bharati Dasan University, Tamil Nadu.
9. Sept. 6. Joseph Koyippally, Dr. 'Who is Afraid of English? Paradigm shift in Brave New India', National Seminar on Indian Languages in School System (Kannada Bhavan, Bangalore). Invited Speaker.
10. Aug. 31. Joseph Koyippally, Dr. 'Sardar Vallabhai Patel and the Dream of India', National Unity Day, (Central University of Kerala, Vidyanagar Campus, Lecture.
11. Aug. 26. Joseph Koyippally, Dr. 'Research and Its Methodology: New Perspectives' in 2-day National seminar on 'Text, Criticism and Research: Concerns in Higher Education' (PG Dept of English, Government College, Malappuram). Invited Lecture
12. Aug. 4 Eftthikar Ahamed B., Dr. 'Transgenders' at the UGC Sponsored National Seminar, CAS College, Madayi Paper
13. Jun. 16 July. Prasad Pannian, Dr. Theory & Praxis Course, Forum for Contemporary Theory (FCT) at the Institute for Development Studies, Jaipur Participant
14. Feb. 6. Eftthikar Ahamed B., Dr. 'Touring Talkies to Multiplexes' at the UGC Sponsored National Seminar, SN College, Kannur Paper

15. Feb. 21. Asha S, Dr. 'Problems of Representation: Muslim Woman in Orientalist and Islamist Discourses', Refresher Course in Comparative Literature, ASC, University of Kerala, Resource Person
16. Feb. 21. Joseph Koyippally, Dr. 'Kerala Diaspora and Diaspora Studies' (ASC, Calicut U., Malappuram.)
17. Feb. 14. Joseph Koyippally, Dr. 'Diaspora Studies and Kerala Diaspora' (ASC, Kerala U., Trivandrum.)
18. Feb. 7. Joseph Koyippally, Dr. 'Gundert and Bible Translation' (Gundert Bicentenary National Seminar, Malayalam University, Tirur.) Invited Lecture
19. Jan. 17. Joseph Koyippally, Dr. 'Textures in Translation' (Jaipur Literary Festival-Discussant). Invited Lecture
20. Jan. 16. Joseph Koyippally, Dr. 'Translating into English' (Lady Sri Ram College, New Delhi, JLF). Invited Lecture
21. M. Dasan, Prof. (Dr.). 'Literature, Culture and Politics' ASC, University of Calicut,

2013.

1. Dec. 1. Prasad Pannian, Dr. Winter School on 'Life and Thought of Gandhi' Indian Institute of Advanced Study (IIAS), Rashtrapathi Bhavan, Shimla, Himachal Pradesh. Delegate and Discussant
2. Nov. 13 Prasad Pannian, Dr. 'The Intellectual Trajectory of Edward Said: The Marxist Connection' at All Saints College, Thiruvananthapuram. Invited Lecture
3. Nov. 4. Joseph Koyippally, Dr. 'Humanities and Technical Education' (Munnad People's College, Munnad, Kasaragod. Invited Speaker. Lecture
4. Oct. 8. Eftthikar Ahamed B., Dr. 'The Media Breaking of Cultural Constructions' at the UGC Sponsored National Seminar, KMM Govt. Women's College, Kannur Paper
5. Sept. 5. Joseph Koyippally, Dr. 'Community Ethnography Project: Kerala' (Bhasha Prabha, Lalit Kala Akademi, Sahitya Akademi and IGNOU, New Delhi, presentation
6. M. Dasan, Prof. (Dr.). 'African American and Dalit Theatre': A comparison; EFLU, Hyderabad,
7. M. Dasan, Prof. (Dr.). 'Dalit Literature: Poetics and Politics' National seminar at SN Women's College, Kollam,
8. M. Dasan, Prof. (Dr.). 'Intersections of Gender and Caste in Dalit literary Discourse' National Seminar at Soka Ikeda College, Tamil Nadu,
9. M. Dasan, Prof. (Dr.). 'Subaltern Cultural Expressions and Performances', ASC, Bangalore University,
10. Jul. 29. Joseph Koyippally, Dr. 'Malayalam Language Map' (PLSI-Kerala Volume Workshop, YMCA, Chittoor Road, Ernakulam). presentation
11. Jun. 16. Dr. Prasad Pannian. Workshop on 'Postcolonial Studies in the Era of Anthropocene' Session of School of Criticism and Theory (SCT), Cornell University, Ithaca, New York: Fellow
12. Apr. 27. Joseph Koyippally, Dr. 'Study of Language and Career Options', (SSO Career Guidance Centre, Kumbala. Inaugural Address. Lecture
13. Mar. 27. Prasad Pannian, Dr. National Symposium on 'Everyday Life' Department of Comparative Literature, Central University of Kerala. Chief Coordinator:
14. Mar. 22. Joseph Koyippally, Dr. 'Analysis of Shin Kyung Sook's Please Look After Mom!', (International seminar on 'Indo-Korea Diplomatic Relations', RASK & Department of East Asian Studies, University of Delhi). invited Lecture
15. Mar. 1. Eftthikar Ahamed B., Dr. 'Speech Disorder' at the International Seminar, Kerala Institute for Local Administration (KILA), Trichur. Paper
16. Feb. 15. Eftthikar Ahamed B., Dr. 'Teaching Discourse' at the Kerala State Higher Education Council Sponsored National Seminar, CAS College, Madayi. Paper

17. Jan. 29. Eftthikar Ahamed B., Dr. 'New Historicism' at the UGC Sponsored National Seminar, Govt. College, Kasaragod Paper
18. Jan. 29. Joseph Koyippally, Dr. 'Absence of Engagement: Malayalam Gulf Diaspora Writers', (International seminar 'Gulf Studies Seminar', Gulf Studies Centre, Jamia Millia Islamia. invited Lecture

2012.

1. Sept. 17. Vellikkeel Raghavan, Dr. '21st Century World Drama: Currents and Counter-Currents' UGC-ASC, University of Calicut, Refresher Course in Comparative Literature held from. Invited talk
2. Sept. M. Dasan, Prof. (Dr.). 'African American Movement and Dalit Movement: Socio cultural and literary Impact'. Sree Sankara University, Kaladi, Kerala.
3. Aug. M. Dasan, Prof. (Dr.). 'Theorizing Dalit Literatures' at UGC National Seminar on New Literatures, Govt. Brennen College, Kerala,
4. Jun. 11. Prasad Pannian, Dr. London Critical Theory Summer School from at Birkbeck, University of London. Delegate and Discussant
5. Mar. 07. Vellikkeel Raghavan, Dr. National Seminar on Myth, Mythopoeia and Literature, Govt. College, Kasaragod. Invited talk and session chair at
6. Mar. 4. Prasad Pannian, Dr. 'Worldliness and Geographic Imagination: Towards a Contrapuntal Comparative Critique' Tenth Biennial International Conference of Comparative Literature Association of India, Central University of Gujarat, Paper Presenter.
7. M. Dasan, Prof. (Dr.). 'Women Empowerment: Problems and Perspectives' at UGC National Workshop on Women Empowerment, KMM Govt. Women's College, Kannur,
8. M. Dasan, Prof. (Dr.). 'Dalit Discourses: Theory and Praxis' at UGC National Seminar on Dalit Experience and the Question of Marginality, Delhi University,
9. M. Dasan, Prof. (Dr.). 'Decolonizing Humanities' at UGC National Seminar on Reason, Knowledge and Belief, Govt. College, Trichur,
10. Feb. Shalini M. Dr. "Rewriting Women's Spaces: Through Histories of Women Writing," One-Day National Seminar on Women's Writing: Expanding Contours, Govt. Arts and Science College, Calicut. Paper.
11. Feb. 1-2 Eftthikar Ahamed B., Dr. 'The Gynocentric Voices of Contemporary Nepali Poetry' at the UGC Sponsored National Seminar, Govt. Brennen College, Thalassery Paper
12. Jan. M. Dasan, Prof. (Dr.). 'Problematizing post-colonial theory: Dalit and Adivasi perspectives' at UGC National Seminar on Postcolonial Perspectives, Govt. College, Manantwady, Kerala.
13. Jan. 23. Eftthikar Ahamed B., Dr. 'Digital Translation Mediation' at the UGC Sponsored International Seminar, Catholicate College, Pathanamthitta. Paper
14. Jan. 19. Joseph Koyippally, Dr. 'Re-reading Local Traditions of Dissent' (Invited lecture, Annual Day, CYMA, Alappuzha,) Lecture
15. Jan. 13. Vellikkeel Raghavan, Dr. 'Literature, Society and Visual Culture. 'In connection with the inauguration of English Literary Association (ELA) of K. P. R. Gopalan Smaraka Govt. Higher Secondary School, Kalliasseri, Kannur, Kerala on. Inaugural Address

2011

1. Dec. 12. Prasad Pannian, Dr. International Workshop on Sciences and Narratives of Nature: East and West organized by the Manipal Centre for Philosophy and Humanities. Delegate and Discussant

2. Sept. 28. Vellikkeel Raghavan, Dr. International Conference on 'Rethinking Genres: From the Analogue to the Digital' at New Delhi, Organiser: Centre for German Studies, School of Language, Literature and Cultural Studies, Jawaharlal Nehru University (JNU), New Delhi, India. Invited talk
3. Sep. 14. Eftthikar Ahamed B., Dr. 'Re-Translation or Trans-Translation – A Trans(Creation) to Another Hidden Text' at the UGC Sponsored National Seminar, NSS College, Manjeri Paper
4. Sept. 11. Joseph Koyippally, Dr. 'ELT Today: Indian Scenario' (ASC, JMI, New Delhi.)
5. Sept. 10. Joseph Koyippally, Dr. 'Epistemological Foundations of Contemporary English Studies' (ASC, JMI, New Delhi.)
6. Aug. 5. Eftthikar Ahamed B., Dr. 'Interdisciplinarity in English Studies – A Constructivist Approach' at the UGC Sponsored National Seminar, NSS College, Pandalam Paper
7. Jul. 12. Prasad Pannian, Dr. Literary Club, Chinmaya Vidyalaya, Kasaragod: Inaugural lecture
8. Jul. 4. Prasad Pannian, Dr. International Summer Course on 'Philosophy for Social Sciences and Humanities-Banality of Evil, organized by the Manipal Centre for Philosophy and Humanities, Manipal University. Delegate and Discussant.
9. Mar. 17. Joseph Koyippally, Dr. 'Impact of Malayalam Bible Translations on Malayalam Literature: A study of three novels', (National workshop 'The Impact of Bible Translation on Indian Languages and Literatures', Department of Comparative Literature, Central University of Kerala) presentation
10. Feb. 29. Joseph Koyippally, Dr. 'Husbonde: Representation of Diasporic Nurse Husbands and Patriarchal Role Reversal', (International Seminar on 'Minority Discourses Across Cultures', CU Rajasthan, Jaipur). presentation
11. Jan. 20. Vellikkeel Raghavan, Dr. 'Worshipping the English Goddess: Manu, Missionary, Macaulay and the Market', International Seminar 'English in the Dalit Context.' Dept. of English, University of Hyderabad on Dept. of English, Central University of Hyderabad, Hyderabad. Invited Lecture
12. Jan. 13 Prasad Pannian, Dr. Second Public Interface Programme: Katha II: Heroes and Anti Heroes at Play at the Central University of Kerala: Co-organizer, Opening Speech
13. Jan. 4. Prasad Pannian, Dr. Translations of Indian Languages and Literature, Dept. of Comparative Literature, Central University of Kerala: Opening Speech

2010

1. Oct. 30 Eftthikar Ahamed B., Dr. 'Recent Trends in American Literature' at Chinmaya Mission Women's College, Kannur Invited Talk
2. Nov.4. Prasad Pannian, Dr. 'Literature, Theory and the Politics of Reading', Literary Association of the PG Department of English at Govt. College, Kasaragod: Inaugural Lecture
3. Nov. 4. Prasad Pannian, Dr. 'Literature, Theory and the Politics of Reading' at Post Graduate Department of English at Govt. College, Kasaragod. Invited Inaugural lecture
4. Aug. 12. Eftthikar Ahamed B., Dr. 'Women's Voices – A Critical Investigation' at the UGC Sponsored National Seminar, Govt. Brennen College, Thalassery Invited talk
5. Mar. 11. Prasad Pannian, Dr. Opening Speech. National Symposium on Englishing Dalits: Question of Caste, Colonialism and Nationalism at the Department of Comparative Literature, Central University of Kerala.

6. Mar. 25. Prasad Pannian, Dr. Introductory Speech. International Workshop on Curriculum Development for Comparative Literature, Department of Comparative Literature, Central University of Kerala.
7. Mar. 25. Joseph Koyippally, Dr. 'Thrice-Refined or Thrice-Removed?: A Reading of Shakespeare Adaptations in Malayalam with Reference to Kaliyattam' (International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges') invited presentation.
8. Jan. 22. Prasad Pannian, Dr. Opening Speech: Katha I: Ramayana and other Stories at the Central University of Kerala.

Other Activities

1. The students make weekly/fortnightly research presentations in the Research Forum of the Department.
2. The students regularly contribute creative and critical pieces to the Wall Magazine started by the Literary Club of the Department
3. Apart from the weekly screenings, the Film Club serves as a discussion forum on Indian and World Cinema, made alive with the active participation of the students from the host and other Departments
4. The students of the Department, in their individual capacity and as office bearers of the University Student Council, organise and take part in activities marking the observance of days of national/international importance such as Independence Day, Republic Day, Teachers' Day, Women's Day, World Environment Day, National Youth Day, etc.
5. Aparna Prasad & Shybu KP (MPhil) participated in the 'Film Appreciation Course' held at Goa (16-23 July 2012)
6. The students of the Department formed a theatre group Alami and staged excerpts from Manjula Padmanabhan's play Harvest on 1 April 2012.
7. Wholehearted student participation in the Study tours conducted by the Department: a) one-day visit to Bakel Fort, Kasaragod (18th February 2010); b) 3-day trip to Goa University (March 2012); c) one-day visit to the Buddhist village in Kushal Nagar, Karnataka (21st October 2012).
8. The students and faculty of the Department enthusiastically took part in the candle light vigil against Endosulphan organised by the Department in solidarity with the anti-Endosulphan Campaign on 25 Jan 2011
9. Student Participation in National/International Conferences/Workshops

48. Give details of "beyond syllabus scholarly activities" of the department.

The Public Interface programmes the Department has been organising such as 'the Katha Series' and 'Meet the Author' programme are highly appreciated by the students and other stakeholders in that they create opportunities for interaction with internationally renowned scholars, critics and creative writers.

The activities organised under the auspices of the Research Forum, Literary Club, Film Club and Theatre Group constitute the other 'beyond syllabus scholarly activities' of the Department.

The Department takes initiative in sensitising the students on issues of environmental concern. Prof. M. Dasan creates ecological awareness through Nature Club farming in the vicinity, Mentoring programme, and he is the Dean of the School and Head of the Department.

Aby Abraham, Mr. had been the president of the Students Council of the university.

Asha, Dr. is the Member of SPARSH, IQAC, and had been the Warden of Girls' hostel

Efthikar Ahamed B., Dr. is the founder Programme Coordinator of the NSS Cell, NAAC Committee of CUK

Eldhose A. Yoyakky, Mr. 'Chirakodiyenda Kinallak' (Malayalam.). *Azhimukham* May 8 <http://www.azhimukham.com/news/5217/malayala-cinema-plagiarism-remake-new-generation-criticism-eldhose> 2015.

Joseph Koyippally, Dr. had been the Dean of the School, Head of the Departments of English and Comparative Literature, Hindi, and Linguistics; Member of Academic Council, coordinator of youth festival in the university; and organised Department tour. He is also a member of Board of examiners in three universities.

Prasad Pannian, Dr. is the Chief Vigilance Officer of the University and Coordinator of Centre for Endangered languages. Functioned as Member of the Executive Council, Member of the Academic Council, Dean of School, Head of the Department of English and Comparative Literature and Department of Hindi, Chairperson of Board of Studies, Department of English & Comparative Literature, Member of the Board of Studies of Linguistics, and editor of the University Journal, *Humanities Circle*.

Rukhaya MK, Ms. Published poetry widely follows: 'Hangman' in *Kritya Poetry Journal*. 9.10. March-April. (2016); 'Destiny' in *The Significant Anthology*. Primalogue; 'Letzte Leinwand' in *Street Voice*. 6. (all in 2015); 'One Over the Eighth' *Canvas Poems*. (Ed. K. Satchidanandan and Maythil Radhakrishnan); 'Black Widow', 'Kite' in *Episteme*; 'femme fatale', 'The Second Half-2' in *The Awakening of She*. (Delhi: Authorspress India); 'Off Theory' in *Literature Voyage*. 2; 'The Real Heroes' in *International Anthology on Poetry on Universal Peace*. Ed. Yayti Madan Gandhi, Mutiu Olawuyi. (Global Fraternity of Poets) (all in 2014); 'Results', *The Art of Being Human*. Vol. 2. Ed. Daniela Voicu and Brian Wrixon. Ontario: Brian Wrixon Books; 'Plague', *In Your Own Words*. (San Francisco: Blurb Inc.); 'Carcinogenic' and 'Dad'. *Inklinks*. (Allahabad: Cyberwit); 'Last Canvas', *The Big River Poetry Review*. 1. (Louisiana: Lulu) 'Abuse', and 'Hibakusha', *The Art of Being Human*. 2. Ed. Daniela Voicu and Brian Wrixon. (Ontario: Brian Wrixon Books); 'Jihad', 'Not a Criticism', 'Talaash', 'Teacher', and 'Party', *Indo-Australian Anthology of Contemporary Poetry* (Delhi: Authorpress); 'On Valentine's Day', *Napalm and Novocain*. Feb; 'The Second Half', *Acerbic Anthology: Protest Poetry and Short Fiction against Gender Violence and Rape*. Ed. Sunil Sharma and Mutiu Olawuyi. (CreateSpace) (all in 2013); and 'Babri' in *The Poetry of War and Peace: Brian Wrixon and a World of Friends*, 'Cast-Out Outcaste' and 'Dowry' in *Words on the Winds of Change*, 'Spaceless Flight' in *Tripping Over Boundaries: A Literary Atlas*, 'The Stoning of Man' in *Reflections on a Blue Planet*, and 'Sister' in *In Praise-In Memory-In Ink: Poet with Voices Strong*, (San Francisco: Blurb Inc.); 'Glasshouse' in *Sticks and Stones*, 'Ground Zero' in *Just a Dream*, 'Hatred' in *Demons and Angels*, 'Sometimes' in *Puppet on a String* and 'Windows ...a Computer Addict' in *Once Upon a Time* (Cardiff, UK: Destiny Publications); 'Haikus'. *Poets International Haiku* 4.29. (Bangalore: Poets International); 'Mom' in *Musings: A Mosaic*, (Bangalore: On Fire); 'Porcupine', *Camel Saloon*. 3 Dec; 'The Sound of Music', *Ekphrasis India*. April 2012; 'You are' in *Love in Verses* (Allahabad: Cyberwit) 'Dairy of a First Wife', *The Youth Express*, 7 April, "Mum's the Word". *The Youth Express*, 4 May (all in 2012);

Shalini M. Dr. had been the Warden of Ladies Hostel, and Member of SPARSH

Shijomon KV, Mr. (Tr). "Varggeekaranathinumupulla Jeevitham" (Malayalam) in <http://blog.lilaparapluie.in/> 2014; "Life of Josooty, Veruthe oru Athmakatha" in *Azhimukham*. (Film Criticism) 6 Oct. 2015; "Charliyude Mukham (Tr.)" (Malayalam),

<http://blog.lilaparapluiie.in/> 2013; “Madyanayam: Sthreesamooham Sarkkarinoppam (Malayalam Tr.) *Veekshnam* daily 10 Sept.2014.; and “Vazhimarippoya Pathemari” (Malayalam) in *Azhimukham*. 16 Oct. 2015.

Subin Scaria, Mr. “Ujala,” in *Indian J. of Postcolonial Literatures*. 14.1. (2014).

Vellikkeel Raghavan, Dr. had been the founder Editor of *Humanities Circle*, and a Member of the Academic Council

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Yes. The PG and PhD programmes in English & Comparative Literature are approved by all the State and Central Universities of India.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

a) Kasaragod is a region characterised by ethnic, religious and linguistic diversity. The rich, heterogeneous cultural tradition of the region would be consigned to oblivion, unless it be academically studied and documented. Keeping this in mind, the faculty of the Department encourage the postgraduate students to undertake dissertation projects on subjects related to indigenous literature, culture, arts and the social environment, so that they can contribute to the repository of knowledge about the local life and ethos and reach it to the global community.

Some of the pioneering studies undertaken, cover areas like:

- i. Folk Art Forms of North Malabar
 - ii. Arabimalayalam
 - iii. Tuluva (oral) Literature
 - iv. Discourse on Endosulfan
 - v. Anthropological Studies (on the traditional communities of North Malabar)
- b) Books produced by the members of the department has contributed to the development in the discipline.
- i. Prasad Pannian’s *Edward Said and the Question of Subjectivity* (Palgrave Macmillan, London & New York, 2016) explores the notion of political subjectivity implicated in and articulated by Edward Said.
 - ii. The book *Languages of Kerala and Lakshwadweep: (Vol 15 of People’s Linguistic Survey of India)* (Edited by M Sreentahn and Joseph Koyippally, 2014) had mapped all languages of Kerala and placed it in the context of the national collective of mapping all Indian languages, contributing to systematic production of knowledge.
 - iii. The English translation of *Goat Days* (Translation. Joseph Koyippally, Penguin Books, 2012) produced to teach the course in the Department has helped to foreground the subject of Gulf Diaspora in Diaspora studies internatioally. It is part of the syllabus of the subject in national and international universities.
 - iv. Prof. M Dasan’s Oxford-India Book of Dalit Writings in Malayalam has contributed to Dalit Studies
 - v. The International Journal *Humanities Circle* edited by Dr. Vellikkeel Raghavan and Dr. Prasad Pannian has emerged as a reputed standard international peer-reviewed journal.

- vi. Abkar *Sadaqa Pakshippattu* (Ahdul Hameed PV, 2010) throws light into the Arabimalayalam heritage of Kerala.
- vii. Dr. Rizio Yohannan's *Quest of a Discipline* (Foundation Books, Bangalore 2012) produced out of the International curriculum workshop conducted by the Department in 2011 is a contribution to the discipline of comparative Literature in India.
- c) The Kannada-English translation projects undertaken by our postgraduate students are a significant contribution in that they make the (classical and modern) masterpieces of Kannada literature available to a large readership in the global language of English.
- d) Malayalam translations of Shakespeare plays the PG and PhD students of the Department have been undertaking are a significant contribution to Shakespeare Studies as well as Translation Studies.
- e) The life-threatening consequences of the indiscriminate use of the toxic pesticide, Endosulfan, are a matter of concern to the faculty and students of the Department. This concern is behind its efforts to contribute to academic scholarship on the discourse of Endosulfan through its academic and co-curricular activities.
- f) Subjectivity Studies, Postcolonial Studies, Film Studies, Theatre Studies, Malayalam Literature, Women's Studies, Dalit Studies, Translation Studies, Women and Islam, etc. are other areas in which the faculty and/or students make original research contributions.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weakness	Opportunities	Challenges
Resourcefulness of the Faculty	Inadequate Physical Infrastructure	Socio-Cultural Diversity of the Student Population	Having to Cater to the needs of a heterogeneous Group
Research Culture Initiated International Academic collaborative programme with Wrocla, Poland and Monasch, Asia Institute, Australia	Shortage of Regular Faculty	The programmes offer scope for Interdisciplinary Studies, which is the academic and professional priority today	Awakening to its heightened academic responsibility (in an era of interdisciplinarity) of ensuring that its faculty and students remain updated in their respective areas
Positive Student Outlook	Lack of Collaborative Research within the Department, with Other Departments and with Other institutions	The PG and PhD programmes offer an opportunity to its students to pursue their higher studies in the dual disciplines of English and Comparative Literature. This enhances their career prospects also.	Equipping the Students with competence in the disciplines of English and Comparative Literature and encouraging the faculty to augment their resourcefulness for improved transaction of the curriculum content
Healthy Teacher-	Lack of Chairs	A Huge	Motivating and Equipping

Strengths	Weakness	Opportunities	Challenges
Student Relationship	and Programmes in Allied Disciplines in the University which hampers interdisciplinary initiatives	Repository of Print and Digital Learning Resources	the Faculty and students to harness the available learning resources to the hilt
Sensitivity to Social/Environmental Issues	Limited Opportunities for linkage with Academia/industry /professional agencies due to the social backwardness and remoteness of the region	Availability of ICT tools for the teaching-learning process	Enabling the students to adopt ICT aided learning while cautioning them against the tendency towards oversimplification of knowledge and sensitising them to the complex questions that studies across texts, traditions and discourses throw up.

52. Future plans of the department

- Institute (a) 'Centre for Theory & Criticism' and (b) Women's Studies (c) Indian Film Studies Centre
- Initiate Research Projects on: Theoretical and Idiomatic Specificities of Indian Documentary Films and (Post) Islamist Gender Discourse
- Development of a Shakespeare Translation Corpus in Malayalam as part of International Digital Humanities
- Develop and implement a soft Skill course as part of 'Skill India' initiative and offer it to all students of the University.

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF HINDI

(SCHOOL OF LANGUAGES AND COMPARATIVE LITERATURE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: HINDI

2. Year of establishment: 2011

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Comparative Literature

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M. A& Ph.D. in Hindi

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

None

7. Details of programmes discontinued, if any, with reasons:

None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System

9. Participation of the department in the courses offered by other departments

None

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	1	0
Asst. Professors	4	4	0
Others			0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Quali-fication	Desig-nation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr. Taru S.Pawar	M.A, (Hindi) Ph.D	Assoct.Professor	Hindi Literature@its	12	Ph.D. – 5 &

			forms		M.Phil – 20
Dr.Seema Chandran	M.A.B.Ed (Hindi),MSc(Psy),Ph.D (Hindi), P.G.Diploma &secretarial practice(Hindi),	Asst. Professor	Katha Sahitya	4	None
Dr. Dharmendra Pratap Singh	M.A,M.phil,Ph.D(Hindi)	Asst. Professor	Katha Sahitya	2	None
Dr. Ram Binod Ray	M.A., M.Phil, Ph.D (Hindi), M.A(Masscommunication), P.G. Diploma in Translation	Asst. Professor	Bhasha vgyan Mass communication	3.5	None
Dr.Supriya.p	M.A,M.Phil,Ph.D (Hindi), PG.Diploma in Translation &Secretarial practice	Asst. Professor	Katha Sahitya	6	None

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.A	Nil
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.A	8%
Ph.D.	1.4%

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
------------	------------	--------	--------

Academic support staff (Technical)	1	0	1
Administrative staff	0	0	0

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0
	National	0
Total grants received (in `)		0

Faculty (PI)	Project Title	Funding Agency	Grant Received
Total Grant			

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International		
	Total Grant Received	
National		
	Total Grant Received	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	4+17+15+6+11	
Monographs	----	
Chapters in Books	41+... 1+1+4	
Edited Books	2+2	
Books	ISBN	Publisher
Dr.Taru S. Pawar 1.Mere pathke sathi	ISBN 927-534-9-2	Sahitya Anand Prakashan
2.Mere Aalokita aalekha	ISBN978-93-84351-01-04	Chandranath Prakashan
3.Rastriya radio natak ka chiranjit	ISBN-	Sahitya Anand Prakashan
Dr.Seema Chandran 1.Uttaradhunik Hindi Sahitya Mein Saamajik Chetna	ISBN:978-93-5235-617-1	Department of Hindi NSS Hindu College
2. Maanvtaavaad Aur Samkaleen Hindi Sahitya	ISBN:978-93-5156-611-3	Miracle Prakashan
3. Kaavya Jagat	ISBN: 978-93-5156-268-9	Miracle Prakashan
Dr.Dharmendra Pratap Singh 1. Nav Upniveshavad aur Uday Prakash ka Sahitya	ISBN-9789385804144	Chintan Prakashan, Kanpur
Dr.Ram Binod Ray 1.Hindi Bhasha Kriyanvayan	ISBN-978-93-83996-83-4	Apple Publication, Delhi

Dr.Supriya.P-1.Krishna Sobati ki Kahani kala	ISBN-81-8111-083-8	Jawahar Pusthakalaya,Mathura
2.Hindi Upanyas ke videshi paatru	ISBN-978-81-8111- 127-2	Jawahar Pusthakalaya, Mathura
Total Number of Books		
Number listed in International Database		-
Citation Index (Range)		-
Source Normalized Impact per Paper (SNIP)		-
SCImago Journal Rank (SJR)		-
Impact Factor (Range)		-
h-index (Range)		-

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
	NIL

25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited

26. Faculty serving in

Faculty Serving in	Number
National committees	1
International committees	Nil
Editorial Boards	1 (Fill Here)
Any other (please specify) Literary Forum, Women organisation	1

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. T.S.Pawar	Refresher Course -2,Orientation Program -1
Dr.Seema Chandran	Orientation Program -1, Training program - 1
Dr. D.P.Singh	NIL
Dr. R.B.Ray	NIL
Dr. Supriya.P	Orientation Program -1,Refresher Course -1

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/industry/institute	01

29. Awards/recognitions received at the national and international level by

Faculty	
Awardee	Award-
Dr.T.S.Pawar	International -3,National-9,state-1
Dr.Seema Chandran	International -2
Dr.Supriya.p	International -2,National-3,State-1
Doctoral /Post-Doctoral fellows	01
Awardee	Award
Students	
Awardee	Award

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
National Workshop in Research Mythology			
Dr. Taru S. Pawar			
Dr. Seema Chandran	11/08/15& 12/08/15	UGC	Dr.Ashish Tripathi BHU, Dr. Pramod Kumar Tiwari, CUG
	19.08.16	CU-Kerala	Prof. K.D.Singh, Lucknow University &

			Prof. Mohan, Delhi University
Dr. Supriya P.	23.01.15	Directorate of Collegiate Education, Kerala	Dr. R Surendran, Former Head, Dept of Hindi, University Of calicut
	29.10.15& 30.10.15	Directorate of Collegiate Education, Kerala	Dr. Jayashankar Babu, Assistant Professor, Dept. of Hindi, Pondicherry University
Ecomeet			
Symposium of Taxonomy			
World Forest, Water and Climate day celebrations			
World Environment Day celebration			
Science Communication through folk media			
Indian Bee Course			
Current Trends in Animal Science Research			

31. Code of ethics for research followed by the departments

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	562.5	1	35	100	100
Ph.D.	25	5	9	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. A	NA	95%	5%	0%
Ph. D.	60 %	0 %	40 %	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0

Defence Services	0
JRF	0
NET	2
SET	0
GATE	0
KSCSTE Ph.D Fellowships	0
Others	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M.Phil		
PG to Ph.D	40%	
Ph.D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	0
	Other than campus recruitment	0
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	40%
universities from other States	60%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	03
Ph.D	05

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Nil
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	03
Class rooms with ICT facility	01
Students' Laboratories	NIL
Research Laboratories	NIL

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	NIL
Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	NIL
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

M.A. Students :

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee develops the curricula and syllabi through interactive workshop, which is submitted to the academic council and EC for the final approval of the program.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every Semester, the faculty of department meets and proposes necessary changes in the curriculum and syllabus.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, The department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

YES, the outgoing students were asked to give proposals for any necessary changes in the Syllabus that was taught to them in the farewell program.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

1) Invited lecture on “Abhigyan Shakuntalam”. External Expert – Prof. TN Vishwambharan, Former Head, Department of Hindi, University of Calicut, Kerala

- 2.) Premchand Jayanti, Had a Talk on “PremChand Ka Katha Vaividhya Aur Parvarthi Sahitya Par Prabhav”, External Expert- Deputy Director AIR, Rajendra Avasthi., Delhi.
- 3) National Workshop on Phd coursework. External Expert –Prof. K.D Singh, Former Head, Department of Hindi, Lucknow University.
- 4) Invited lecture on “Drama” 25 – 08 - 2016. External expert – Dr. TA Anand, Assistant Professor, Department of Hindi, Government Arts & Science College, Meenchanda, Calicut.

45. List the teaching methods adopted by the faculty for different programmes.

M.A. : We follow choice-based credit system for M A.. The department is also offering three elective courses, We follow power point lectures, multimedia presentations, white-board and marker pen, videos, paper discussion, Student Presentations in class and take-home assignments. We follow continuous assessment and end semester exams to evaluate the student performance. Dissertations are compulsory work for MA Students.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to foster the research aptitude and teaching skills of the MA students. Therefore we have student seminars and research paper discussions as part of our curriculum. Our students have attended several National seminars, Vishv Hindi Conferences & workshops. 98 % of our MA students are girls.

47. Highlight the participation of students and faculty in extension activities.

The faculty of Hindi Department also delivered several lectures in different seminars in different States of India.

Talks/Invited Lectures

Dr. Taru S. Pawar

1. PARTICIPATED AND PRESENTED PAPERS:

- i. Participated and Presented a paper on “**Sathottari Hindi Kavita Ki Ek Pramukha Upalabdhi Laghu Kavita**” in International Seminar of ‘**Sathottari Hindi Kavita**’ Organised by Dept. of Hindi, Shri Kadasiddeshwar Arts College, H.S.Kotambri Science Institute, Hubli and Kendriya Hindi Sansthan, Agra, from 15th Oct. 2011 to 17th Oct. 2011.
- ii. Participated and Presented a paper on ‘**Pragatisheel Deshon Per Vaishvikaran Ka Prabhav**’ (**Effects on Globalization Developing Countries**) in 5th Mahatma Fule Social Research International Interdisciplinary Conference of “**Global Economic Crises and Ideology of Mahatma Fule Future of India**” Organised by Mahatma

Fule Talent Research Academy and Smt. Radhikatai Pandav College of Engineering, Nagpur (Maharashtra), from 3rd March 2013.

- iii. Participated and Presented a paper on **“Vaishwikarn Ke Sandarbha Me Bharatiya Sanskriti”** in International Conference of **“3rd International History and Cultural Round Table Conference (Tisara Anterrashtriya Itihas Aur Samskrutik Golmej Parishad)”** Organised by INOX International University, Satara (Maharashtra) from 28th April 2013.
- iv. Participated and Presented a paper on **“Uchcha Shiksha Aur Aarthik Vikas”** in 13th Mahatma Fule Social Research International Interdisciplinary Conference of **“Education For Achieving Millennium Development Goals”** Organised by Mahatma Fule Talent Research Academy and Smt. Radhikatai Pandav College of Engineering, Nagpur (Maharashtra), from 7th September 2014.
- v. Participated and Presented a paper on **“Samakaleen Pramukha Hindi Upanyason Me Dalit Samvedana”** in International Seminar of **‘The Contemporary Challenges of Hindi Literature And Its Dimension’** Organised by Dept. of Hindi, Karnatak University, Dharwad from 30th October 2014 to 31st October 2014.
- vi. Participated and Presented a paper on **“Hindi Ki Pramukha Aatmakathayon Me Dalit Samvedana”** in International Seminar of **‘Hindi/Kannada Aatmakatha’** Organised by Dept. of Hindi, Shri Kadasiddeshwar Arts College, H.S.Kotambri Science Institute, Hubli, from 28th March 2016 to 29th March 2016.

2. NATIONAL LEVEL CONFERENCES / SEMINARS:

PARTICIPATED AS RESOURCE PERSON AND PRESENTED PAPERS.

- i Participated as a Resource Person and Presented a paper on **“Hindi Ke Pramukha Upanyason Me Dalit Chetana”** in National Seminar of **‘Adhunik Hindi-Kannada Gadya Sahitya Me Dalit Samvedana’** Organised by Dept. of Hindi, Arts and Commerce College, Raibag, from 17th September 2011 to 18th September 2011.
- ii Participated as a Resource Person and Presented a paper on **“Hindi Dalit Kavitaon Me Ubharate Naye Swar”** in National Seminar of **‘Hindi Aur Kannada Ke Dalit Sahitya Me Samajik Me Samajik Chintan’** Organised by Dept. of Hindi, Shri Gavisiddeshwara Arts, Science and Commerce College, Koppal, from 6th March 2012 to 7th March 2012.
- iii Participated as a Resource Person and Presented a paper on **“Ikkisavi Sadi Ki Pramukha Hindi Kahaniyon Me Stree Samvedana”** in National Seminar of **‘Ikkisavi Sadi Ka Katha Sahitya’** Organised by Dept. of Hindi, Dr. A.V. Baliga College of Arts and Science, Kumta, from 27th Dec. 2013 to 28th Dec. 2013.
- iv Participated as a Resource Person and Presented a paper on **“Adhunik Hindi Kavitaon Me Samskruti, Dharm Aur Darshan”** in National Seminar of **‘Adhunik Hindi Aur Kannada Ke Kavyon Me Sanskruti Dharm Aur Darshan’** Organised by Dept. of Hindi, Shri Gavisiddeshwara Arts, Science and Commerce College, Koppal, from 2nd August 2014 to 3rd August 2014.

- v Participated as a Resource Person and Presented a paper on **“Hindi Aur Kannada Ke Pramukha Upanyason Me Dalit Samvedana”** in National Seminar of **‘Bisavi Sadi Ke Hindi Tatha Kannada Dalit Sahitya Ke Vividha Ayam’** Organised by Dept. of Hindi, K.L.E. Society’s Arts and Commerce College, Gadag-Betageri from 19th September 2014.
- vi Participated as a Chairperson in National Seminar of **“Pandit Makhanlal Chaturvedi Ji Ke Samagra Sahitya”** Organised by Dept. of Hindi, R.L.Science Institute Belgaum and Karnataka Hindi Samiti Jayanagar Bengaluru, from 18th January 2015.
- vii Participated as a Resource Person and Presented a paper on **“Kannada Ke Aanchalik Upanyason Ki Visheshatayen”** in National Seminar of **‘Hindi Ke Aanchalik Upnyas: Mahatwa Avam Visheshatayen’** Organised by Dept. of Hindi, Dattajirao kadam Arts, Science and Commerce College, Ichchalkaranji (Maharashtra) from 23rd January 2015 to 24th January 2015.
- viii Participated as a Chairperson in National Seminar of **“Sarveshwar Dayal Sexena Ke Sahitya Me Manaveeya Chatana”** Organised by Dept. of Hindi, Basaveshwar Arts College, Bagalkot, from 26th September 2015.
- ix Participated as a Repporteur in National Seminar of **“Life and Literary Achievements of Premchand And Basavaraj Kattimani A Comparative Study”** Organised by Dept. of Hindi, K.R.Bellad Arts and Commerce College, Mundargi, from 20th October 2015 to 21st October 2015.
- x Participated as a Sattrra Sanchalak in National Seminar of **“Anuvad Ka Rojgarparak Rashtriya Aur Anatarrashtriya Mahatwa”** Organised by Dept. of Hindi, Smt. Kusumavadi Mairji Kala Tatha Vanijya Mahavidyalya Shatinagar Bedkihal, from 19th February 2016 to 20th February 2016.
- xi Participated as a Resource Person and Presented a paper on **“Hindi Dalit Aatmakathayon Me Stree Chetana”** in National Seminar of **‘Hindi Dalit Sahitya Me Nari Chetana’** Organised by Dept. of Hindi, Karnataka State Women’s University, Vijayapura, from 22nd March 2016.

3. PARTICIPATED AND PRESENTED PAPERS:

- i Participated and Presented a paper on **“Acharya Vishwanath Prasad Mishra Ke Lekhan Me Vyaktitva Ka Digidarshan”** in National Seminar of **‘Acharya Vishwanath Prasad Mishra : Janmasati’** Organised by Dept. of Hindi, Dakshina Bharat Hindi Prachar Sabha, Madras at Dharwad, from 24th February 2007 to 25th February 2007.
- ii Participated and Presented a paper on **“Ramdhari Singh Dinkar Ka Gadya Sahitya”** in National Seminar of **‘Ramdhari Singh Dinkar Ka Sahityik Avadan’** Organised by Organised by Dept. of Studies in Hindi, Karnatak University, Dharwad, from 30th March 2009 to 31th March 2009.
- iii Participated and Presented a paper on **“Sathottari Hindi Kahani Sahitya Me Stree Vimarsh”** in National Seminar of **‘Adhunik Hindi-Kannada Sahitya Me Nari**

- Samvedana'** Dept. of Hindi, Arts and Commerce College, Raibag, from 10th April 2009 to 11th April 2009.
- iv Participated and Presented a paper on **"Vigyapan Ki Hindi"** in National Seminar of **'Janasanchar Maadyam Hindi'** Organized by Department of Hindi, C.S.Bembalagi Arts, Sha M.R.Palaresha Science and G.L. Rati Commerce College, Ramdurga, from 28th August 2009 to 29th August 2009.
- v Participated and Presented a paper on **"Nagarjun Ke Upanyason Me Anchalikata"** in National Seminar of **'Nagarjun Ka Sahitya : Vividha Ayam'** Organized by Dept. of Studies in Hindi, Karnatak University, Dharwad, from 29th March 2010 to 30th March 2010.
- vi Participated and Presented a paper on **"Nirala Ki Pramukha Lambi Kavitaen: Vishay Vivechan Avam Tantra"** in National Seminar of **'Mahapran Nirala'** Organised by Dept. of Hindi, Shri Kadasiddeshwar Arts College, H.S.Kotambri Science Institute, Hubli and Karnataka Hindi Samiti, Jayanagar, Bengaluru, from 9th January 2011.
- vii Participated and Presented a paper on **"Rashriyata Avam Bharatiya Bhashayen"** in National Seminar of **'Colonialism and Language Politics in India (Upaniveshavad Aur Bharat Me Bhasha Rajaniti)'** Organised by Languages, Basaveshwar Commerce College, Bagalkot, from 18th February 2011.
- viii Participated and Presented a paper on **"Upnyaskar Ajneya"** in National Seminar of **'Ajneya Ka sahiyik Yogdan'** Organised by Dept. of Hindi, Karnatak University, Dharwad from 8th March 2011 to 9th March 2011.
- ix Participated and Presented a paper on **"Ikkisavi Sadi Ke Pramukha Hindi Upnayason me Dalit Vimarsh"** in National Seminar of **'Ikkisavni Sadi Ka Hindi Upanyas Sahitya'** Organised by Dept. of Hindi, Rajashree Chatrapti Shahu College, Kolhapur (Maharashtra), from 29th September 2011 to 30th September 2011.
- x Participated and Presented a paper on **"Dr. Susheela Takbhore Ke Natakon Me Dalit Chetana"** in National Seminar of **'Sathottari Hindi Natak : Vividha Ayam'** Organised by Dept. of Hindi, Kuvempu University, Shivamogga and Central Institute of Hindi, Mysore from 6th February 2012 to 7th February 2012.
- xi Participated and Presented a paper on **"Hindi Ki Pramukha Dalita Aatmakathayon Me Soundarya"** in National Seminar of **'Ikkisavni Sadi Me Hindi Sahitya: Stithi Avam Sambhavanayen'** Organised by Dept. of Hindi, Devagiri College, Aurangabad, (Maharashtra) from 18th February 2012 to 19th February 2012.
- xii Participated and Presented a paper on **"Vishishta Silpa Ka avadan:Rang Aur Vyangya"** in National Seminar of **'Ikkisavni Sadi Ka Natya Lekhan: Naye Prayog Aur Shilp'** Organised by Dept. of Hindi, Karnatak University, Dharwad from 14th March 2012 to 15th March 2012.

- xiii Participated and Presented a paper on **“Adhunik Hindi Ke Vividh Roop”** in National Seminar of **‘Rashtriya Hindi Vikas Sammelan’** Organised by Purvottar Hindi Academy, Shilong (Meghalaya) from 24th May 2013 to 26th May 2013.
- xiv Participated and Presented a paper on **“Hindi Translation of Natyashastra”** in National Seminar of **‘Yaksagana in the Light of Sanskrit Dramaturgy’** Organised by J.S.S. Banashankari Arts Commerce and S.K.Gubbi Science College, Vidyagiri, Dharwad from 7th August 2013 to 8th August 2013.
- xv Participated and Presented a paper on **“Hindi Ki Pramukha Muslim Lekhikavon Ki Kahaniyon Me Nari”** in National Seminar of **‘Kannada Aur Hindi Ke Muslim Lekhakon Ke Sahitya Me Bharatiya Samaj’** Organised by Dept. of Hindi, S.S.N. Arts and Commerce College, Hukkeri from 7th September 2013 to 8th September 2013.
- xvi Participated and Presented a paper on **“Nayee Sadi Ke Hindi Natakon Me Dalit Samvedana Aur Swaroop”** in National Seminar of **‘Ikkisavni Sadi Ka Dalit Sahitya Samvedana Aur Swaroop’** Organised by Dept. of Hindi, Radhabai Kale Mahila Mahavidyalaya, Ahamadnagar (Maharashtra) from 17th September 2013 to 19th September 2013.
- xvii Participated and Presented a paper on **“Samajik Samanata Avam Basaveshwaraji Adhunikata Ke Sandarbha Me”** in National Seminar of **‘Adhunik Bharatiya Samaj me Basaveshwar Ke Tatvadarsha Ka Anvayakata’** (Relevance of Basaveshwaras Social Thought and Teachings to Contemporary Indian Society) Organised by Dept. of Hindi, Shri Kadasiddeshwar Arts College, H.S.Kotambri Science Institute, Hubli from 18th February 2014.
- xviii Participated and Presented a paper on **“Sara Aakash Upanyas Me Abhivyakt Samvukt Parivar”** in National Seminar of **‘Rajendra Yadav Ka Sahitya: Samagra Mulyankan’** Organised by Dept. of Hindi, Karnatak University, Dharwad from 14th March 2014 to 15th March 2014.
- xix Participated and Presented a paper on **“Kabir Ki Bhakti Aur Samaj Sudharak Drushti”** in National Seminar of **‘Kabirdas Aur Sant Shishuvinahal Shareef Ke Jivan Tatha Uddeshya Ka Tulanatmaka Adhyayan’** Organised by Dept. of Hindi, K.R.Bellad Arts and Commerce College, Mundargi from 20th September 2014 to 21st September 2014.
- xx Participated and Presented a paper on **“Pandit Makhanlal Chaturvedi Ke Kavtavon Me Rashtriya Bhavana”** in National Seminar of **‘Pandit Makhanlal Chaturvedi Ke samgra Sahitya’** Organised by Dept. of Hindi, R.L.Science Institute Belgaum and Karnataka Hindi Samiti Jayangar Bengalutu, from 18th January 2015.
- xxi Participated and Presented a paper on **“Nayee Sadi Ke Hindi Kavitaon Me Dalit Samvedana”** in National Seminar of **‘Nayee Sadi Ke Hindi Kavita : Dasha Aur Disha’** Organised by Dept. of Hindi, S.B. Arts and K.C.P. Science College, Vijayapura, from 14th February 2015 to 15th February 2015.
- xxii Participated and Presented a paper on **“Anuvad Ki Samassayen Aur Samadhan”** in National Seminar of **‘Translation : Opportunities and Challenges’** Organised

by Dept. of Languages Arts and Commerce College for women, Hubli from 27th February 2015 to 28th February 2015.

- xxiii Participated and Presented a paper on **“Kabir: Dharam Sudharwadi Drushtikon”** in National Seminar of **‘Vartaman Paripreksha Me Sant Sahitya Ki Prasangikata’** Organised by Dept. of Hindi, Karnatak Arts College, Dharwad from 27th March 2015 to 28th March 2015.
- xxiv Participated and Presented a paper on **“Sarveshwara Dayal Saxena Ki Kavitaon Me Ubharate Vividha Ayam”** in National Seminar of **‘Sarveshwar Dayal Saxena Ke Sahitya Me Manveeya Chetan’** Organised by Dept. of Hindi, Basaveshwar Arts College, Bagalkot from 26th March 2015.
- xxv Participated and Presented a paper on **“Premchand Tatha Basavaraj Kattimani Ke Pramukha Upanyason Me Shoshit Samudaya”** in National Seminar of **‘Life and Literary Achievements of Premchand and Basavaraj Kattimani A Comparative Study’** Organised by Dept. of Hindi, K.R.Bellad Arts and Commerce College, Mundargi from 20th October 2015 to 21st October 2015.
- xxvi Participated and Presented a paper on **“Vyavasayik Anuvad: Ek Drushti”** in National Seminar of **‘Anuvad ka Rojgarparak Rashtriya Aur Antarrashtriya Mahatwa’** Organised by Dept. of Hindi, Smt. Kusumavati Mirji Kala Tatha Vanijya Mahavidyalaya Shantinagar, Bedakihal from 19th February 2016 to 20th February 2016.
- xxvii Participated and Presented a paper on **“Hindi Kavya Aur Uttar Adhunikata”** in National Seminar of **‘21veen Sadi Ka Sahitya : UttarAdhunikata’** Organised by Dept. of Hindi, Karnataka University, Dharwad from 26th February 2016 to 27th February 2016.

4. PARTICIPATED NATIONAL LEVEL CONFERENCES AND SEMINARS:

- i Participated in **“35th National Convention”** Organized by Dept. of studies in Hindi, Karnatak University, Dharwad and Bharatiya Hindi Parishat, Allahabad, from 5th November 2004 to 7th November 2004.
- ii Participated in **“1st National Banjara Professors Conference”** Organized by “National Banjara Professors Association and All India Banjara Seva Sangh, Karnataka” at Gulbarga, from 14th July 2012 to 15th July 2012.
- iii Participated National Seminar on **“Samakaleen Hindi Sahitya Me Stree Vimarsh”** Organised by D.B.H.P. Sabha Madras, at Karnata Shakha, Dharwad, from 11th April 2005 to 12th April 2005.
- iv Participated U.G.C. National Seminar on **“Hindi Aur Kannada Sahitya Me Stree Vimarsh”** Organised by Dept. of Hindi, Karnatak University, Dharwad from 02nd August 2005 to 3rd August 2005.

- v Participated National Seminar on **“Dr. Ramswaroop Chaturvedi: Bhasha Aur Samvedna ke Vyakhyata”** Organised by Dept. of Hindi, Dakshina Bharat Hindi Prachar Sabha, Madras at Dharwad from 18th April 2008 to 19th April 2008.
- vi Participated National Seminar on **“Prayojanmulak Hindi Ke Naye Aayam”** Organised by Dept. of Hindi, Dakshina Bharat Hindi Prachar Sabha, Madras at Dharwad from 11th April 2009 to 12th April 2009.
- vii Participated National Seminar on **“Shiksha Me Bhasha”** Organised by Dept. of Hindi, Dakshina Bharat Hindi Prachar Sabha, Madras at Dharwad from 10th December 2009 to 11th December 2009.
- viii Participated National Seminar on **“Adhunik Hindi Sahitya Me Janavadi-Chetana”** Organised by Dept. of Hindi, Maharaja College, University of Mysore and Central Institute of Hindi, Mysore Center, Mysore, from 15th February 2010 to 16th February 2010.
- ix Participated National Seminar on **“Adhyapak Prashikshan Sangosthi”** Organised by Durastha Shiksha Nideshalaya, Dakshina Bharat Hindi Prachar Sabha, Madras at Dharwad from 27th April 2012 to 28^h April 2012.

5. WORKSHOPS:

- i. Participated one Day National Workshop on **“RASHTRIYA KARYA-SHALA”** Organised by Department of Hindi, First Grade College, Honnavar and ‘Smiles’ Bharatiya Bhasha Samanvya Sahitya Prakashan Halaga, Karwar from 11th April 2015.
- ii. Participated one Day Interactive Workshop on **“NAAC RE-ACCREDITATION PROCESS”** Organized by J.S.S. Banashankari Arts, Commerce and Shantikumar Gubbi Science, BBA., BCA., M.Sc(C.Sc.), M.A.(Eng) and PGDAS College, Vidyagiri, Dharwad from 31st May 2009.
- iii. Participated as a Resource Person and Presented a paper on **“HINDI KA SHABDA BHANDAR”** in **“SYLLABUS ORIENTED PROGRAMME”** Organised by Department of Hindi, Shri Kadasiddeshwar Arts College, H.S.Kotambri Science Institute, Hubli and Karnatak University College Hindi Teacher’s Association Dharwad, from 1st February 2014.
- iv. Participated in one day **“THE TRAINING AND RETRAINING”** Programme (Faculty Empowerment) Organised by JSS Banashankari Arts, Commerce and Shantikumar Gubbi Science College, Vidyagiri, Dharwad from 21st August 2011.
- v. Participated in one day Rashtriya Karya-Shala on **“SHODHA SAMBHAVANAYEN AUR SWAROOP”** Organised by Uchcha Shiksha Aur Shodha Sanstha, Dakshina Bharat Hindi Prachar Sabha, Hyderabad from 18th February 2016.
- vi. Participated Ek Diwasiya Rashtriya Sankalp Vyakhyan Mala on **“VIVEKI RAY AUR GRAMA JIVAN”** Organised by Hindi Academy, Hyderabad from 29th March 2016.

6. STATE LEVEL CONFERENCES / STATE LEVEL SEMINARS:

PARTICIPATED AND PRESENTED PAPERS:

- i. Participated and Presented a paper on **“KABIR AUR SHARAN SAHITYA ME SAMAJIK CHETANA”** in State Level Seminar of **‘KABIR AUR KANNA KE SHARANA SAHITYA ME SAJAJIK CHETANA’** Organised by Dept. of Hindi, Shri. Gavisiddeshwar Arts, Science and Commerce College, Koppal, from 28th March 2010.
- ii. Participated and Presented a paper on **“SUBHADRA KUMARI CHAUHAN KI KAVITAVON ME RASHTRIYA BHAVANA”** in State Level Seminar of **‘KAVAYATRI SMT. SUBHADRA KUMARI CHAUHAN KE SAMAGRA SAHITYA’** Organised by Belgaum Vibhagiya Hindi Seva Samiti hubli and Janata Shikshana Samiti Hubli, from 15th December 2013.

7. VIDEO TALK:

- i. Delivered Video talk for the syllabus prescribed as a part of preparation of Digital Data for Virtual classrooms proposed by the Department of Collegiate Education, Government of Karnataka, Dharwad branch, from 18th March 2015.

Dr. Seema Chandran

PAPER PRESENTATIONS

INTERNATIONAL

1. Invited for the International Seminar to be conducted on 15th , 16th & 17th December 2015 by Cochin University of Science & Technology in Collaboration with Central Hindi Institute, Agra and Bharateey Sahithya Pratishtan, Cochin. Topic is- “Hindi Bhasha Swatv, Vinimay Aur Pratirodh”.
2. Presented a paper as a Resource Person for the UGC Sponsored Three Day International Seminar on the Role of Travlogue in Cultural Exchange on 22nd , 23rd & 24th of September 2015 at St.Thomas College, Kozhencherry. Title was-“Urmila Shukl ke Dhaan Ke Katore se Barf ke Katore tak me Prakriti Aur Sanskriti”.
3. Presented a paper “Dalit Vimarsh Aur Samaj” in the International Seminar held at JNU, Conducted byBharateeya Bhasha Kendra; Bhasha, Sahitya Aur Sanskriti Adhyayan Sansthan, Jawaharlal Nehru University, New Delhi. Seminar Topic was Dalit Samaj , saanskritik Nirupan Evam Sant Guru Ravidas. It was conducted on 23rd and 24th February 2015.
4. Presented a paper “Bahulatawaad ke Sandarbh me Hindi Upanyas” in the international Seminar ,(SVASH) at Vivekananda Cultural Institute, Thiruvananthapuram on 26th April 2014. Seminar Topic was Bahulataavaad ke Sandarbh Me Hindi Upanyas”.
5. Presented a paper in the International Seminar conducted by S.T.B Arts and Science College, Surat Gujrath (NAAC Accredited ‘A’ Grade) and saarvajanik Educational Society, Ayodhya Shodh Sansthan, Sanskriti Vibhaag unanimously conducted Seminar on Ram-Sahithya Ka Vaishvik Sandarbh on 23, 24 feb 2013. Seminar Topic was “Samaj Manovigyaan

Evam Ramkaavyom ka Sandarbh”.

6. Presented a paper in the International Seminar on Teaching Hindi in non Hindi speaking areas organized in collaboration with THE CENTRAL INSTITUTE OF HINDI, AGRA on 4th and 5th of February 2013.

NATIONAL SEMINAR

1. Invited as a Resource person and presented a paper on “ Varchasv Ki Aalochna Karti Aalochna” in the three day National Seminar on When the Empire Writes Back: Contours of Postcolonial Realigned organized by the Departments of Malayalam, English and Hindi of Panampilly Memorial Government College, Chalakudy and sponsored by the Directorate of Collegiate Education, Govt. of Kerala on 18-20 November 2015.
2. Invited as a Resource person and presented a paper on “ Bahulatavaadi Sandarbh me Hindi Upanyasom ka Visthapit Roop” in the Two Day National Seminar on ‘Various Aspects of Hindi Literature’ Organised by the Dept. of Hindi on 29th & 30th October 2015 Sponsored by Directorate of Collegiate Education, Government of Kerala.
3. Presented a paper on “Laghu Upanyasom, Beghar, Uske Hisse Ki Dhoop Aur Rukogi Nahi Radhika Me Chitrit Yug Chetna Aur Mahanagareeya Bodh”. The Two Day UGC Sponsored National Seminar was organized by the Dept. of Hindi St. Albert’s College, Ernakulam on the Topic Metropolitan Civilization in Hindi Novelette on 3rd and 4th September 2015.
4. Presented a paper on “ Uttaraadhunik Bhashayi Bahulata ka Sandarbh ” in the Two Day UGC sponsored National Seminar on Uttaraadhunik Hindi Sajitya Mein Samajik Chethana” held on 11th & 12th August 2015 conducted by PG & Research Department of Hindi, NSS Hindu College , Changanacherry.
5. Invited as a Resource Person for the UGC Sponsored National Seminar on Literature and Philosophy organized by the Departments of Hindi, Malayalam and Sanskrit- Vedanta, Sree Sankaracharya University of Sanskrit, Panmana Campus, Kollam held on 18th & 19th February 2015, Topic of seminar was Sahitya mwin Aadarshvaadi Darshan.
6. Presented a paper titled “Ramvilas Sharma ka Avdaan , Bhasha Yugbodh Aur Kavita me” in the three day UGC sponsored National Seminar , Organized by PG Department of Hindi and Research Centre, Govt. Brennan College Thalassery in collaboration with Payyanur College, Payyanur . Main Topic was Contributions of Ramvilas Sharma. Held on 3 & 5 feb 2015.
7. Invited as a Resource Person for the National Seminar , sponsored by Central Hindi Institute, Mysore on Samkaleen Hindi Aalochana :vivid aayaam. Seminar Title was ‘Samkaleen hindi aalochana k paashchaatya pratimaan Aur Badalte aayaam. Held on 6th and 7th March 2014.
8. Presented a paper title Kamayani ka Lajja Sarg aur Taslima Nasreen ki Lajja in the National Seminar on Comparitive Literature and Culture organized by the Department of Hindi, Kannur University at Dr. P.K Rajan Memorial Campus , Nileshwaram.
9. Presented a paper on “Mahila Hindi Aatmkathaom ka Drishya Vrittant” in the two day National Seminar held at SSUSRC Payyanur. This Seminar was organized by Sree sankara University of Sanskrit, Regional Centre payyanur seminar main topic on Aatmakatha Sahithya: Hindi and Malayalam Jan 1st and 2nd 2014.
10. Presented a paper titled Samkaleen Laghu Katha KA Paridrishya Aur Uttar Aadhunik Sanskriti

in the Two Day National Seminar on Cultural Context of Contemporary Hindi Fiction organized by the Post Graduate Department of Hindi & Research Centre, Govt. Brennen College, Thalassery, Kerala on 3rd and 4th October ,2013.

11. Presented a paper and served as a Resource person in the National Seminar on “ Contemporary Hindi Literature and Women Writing” organized by the Post Graduate and Research Department of Hindi, Catholicate College, Pathanamthitta sponsored by UGC and in collaboration with Hindi Vidyapeeth, Thiruvananthapuram on 26th, 27th and 28th September 2013. Topic was Yatharthvaad aur samkaleen mahila Kahanikaar.
12. Presented a paper and also chaired a session in the National seminar on “ Universalisation in the Post Seventy Hindi Literature” held on 5th and 6th September 2013.
13. Presented a paper in the Two Day UGC sponsored National Seminar on Different Aspects of Contemporary Hindi Literature organized by the Department of Hindi, Pazhassi Raja NSS College, Mattanur on 29th and 30th of August 2013 in collaboration with sree sankaracharya University of Sanskrit, Regional Centre Payyanur.
14. Presented a paper titled “ Manav Sabhyata ka Vikas Aur Ramvilas Sharma” in the National Seminar on “ Ramvilas Sharma ka Rachana Sansaar” organized by Central Institute of Hindi, Agra & Dept. of Hindi, University of Kerala, Kariyavattom campus. Trivandrum on 26th and 27th March 2013.
15. Presented a paper in the UGC National Seminar on “ Stree Vimarsh Aur Samkaleen Hindi Sahitya” held on 28th feb & 1st March 2013 at Sree Sankaracharya University of Sanskrit Kalady, Kerala. Title of the paper “Stree Vimarsh Evam Adyatan Hindi Kavita”.
16. Invited a Resource Person and Presented a paper in the UGC Sponsored National Seminar on Literature of Ramvilas Sharma conducted by Department of Hindi, CUSAT on 7th & 8th Feb 2013.
17. Presented a paper in the two Day National Seminar on “Assyottar Hindi Sahitya ke bahu aayaami Paridrishya” organized by the Department of Hindi, SSUSRC=Tirur, Thirunavaya on 30th and 31st jan 2013. Presented a paper on “Paristhitik Paridrishya, Kavitha Ki Nazar Mein.”
18. Presented a paper in the Two Day National Seminar on the topic “ Hindi Language & Literature-present and future” organized by Kerala Hindi Prachar Sabha, Thiruvananthapuram in connection with its Diamond Hubilee celebration on 26th, 27th March 2012 with the financial assistance of central Hindi Directorte, Ministry of Human Resource Development, Government of India and also presented a paper on “Journalism: Present and Future” participated in the discussion.
19. Presented a paper in the Two Day National Seminar Sponsored by Directorate of Collegiate Education and organized by PG Department of Hindi and Research Centre , held on 16th and 17th Jan 2012. Paper presentation was on topic “Mahila Kahanikaarom ka Paaristhitik Drishtikon”. National Seminar was on CONTEMPORARY TRENTS IN HINDI SHORT STORIES.
20. Presented a paper on “Stri-Vimarsh Ki Ufan Khareedar” in the National Seminar on ‘The contemporary Hindi Fiction’ on 25th ,26th March 2009 at Sree Sankaracharya University of Sanskrit, Regional Centre, Thrissur.
21. Presented a paper on “ Trilochan ke kavya Me Bharateeyata” in the two day UGC sponsored National Seminar on Pragativadi Hindi Kavitha Aur Trilochan conducted by Department of Hindi, CUSAT on 27th and 28th feb 2009.

22. Presented a paper in the two day National Seminar on “ Reading A New: An Interdisciplinary Approach To Hindi Literature” organized by the Dept. of Hindi, St. Paul’s College, Kalamassery on 25th and 26th September ,2008.
23. Presented a paper in the National Seminar on “Latest Trends in Hindi Literature”(Hindi Sahithya Ki Adyathan Pravruithyan) at University of Calicut on 6th and 7th Feb 2008 and presented a paper on ‘Kamayani , Nav-Upaniveshwad k Sandarbh Mein Ek Punarvichar’.

SEMINAR PARTICIPATION

1. Participated UGC Sponsored National Seminar on ‘Recent Trends in Capital Market & Derivatives’ conducted by P.G Department of Commerce on 30th September & 1st October 2015,
2. Participated in the National Seminar on ‘Women Empowerment, Media and Human Rights’ organized by National Human Rights Commission in collaboration with Cochin University of Science and Technology, Cochin, Kerala on 9th and 10th January 2014.
3. Participated in the two day National Seminar on ‘ Green Government of Kerala and organized by the P.G Department of Political Science, N.S.S Hindu College, Changanacherry, and Sponsored by the Institute of Parliamentary Affairs, Government of Kerala, on 12th & 13th December 2013.
4. Participated in the National Seminar on ‘Cinema-Drisyaprathinidhanangalude soundaryavum rashtreeyavum’ organized by the Department of Malayalam on 22nd & 23rd February 2012.
5. Participated in the National Seminar on ‘Sanskrit and Kerala Renaissance’ organised by Department of Sanskrit, Govt. Arts & Science College, Calicut and sponsored by Directorate of Collegiate Education.
6. Participated in the UGC (DRS) National Seminar on ‘Bharateeyata Aur Samkaleen Hindi-Malayalam Katha Sahitya conducted by Department of Hindi, Cochin University of Science & Technology on 23th, 24th & 25th of March 2009.
7. Participated in the National Seminar on ‘The Struggle for Independence & Hindi Literature’ on 12th, 13th and 14th at University of Sanskrit, Kalady, Ernakulam District, Kerala.
8. Participated in the UGC Sponsored National Seminar on ‘The Dimensions of Hindi Novels’ organized by the Department of Hindi, Maharaja’s College, Ernakulam on 26th, 27th and 28th February 2007.

Invited talks

1. **Invited as Resource Person to talk on Official Language & Drafting** for the Hindi Workshop for employees conducted by the Central University of Kerala, Kasaragod on 30/06/2016.
2. **Invited as Resource Person to talk on Official Terminology & Noting & Drafting the** TOLIC and Central University jointly organized workshop on 23rd Aug 2016.

Dr. Dharmendra Pratap Singh

National Seminar :

- Participated in National Seminar ‘Bharat ka SwadhintaYagyaAur Hindi Sahitya’ and presented a paper on Vrindavan Lal Verma Krit ‘Jhansi ki Rani’ (Novel) mein chitrit Swadhinta Sangarsh in 2008. Organized by Department of Hindi, University of Lucknow & Department of Higher Education, U.P. Government
- Participated in National Seminar ‘BhartiyaSahityakaParikalp’ and presented paper on ‘Keral ki Pramukh Hindi Sansthaeyin’ Organized by Department of Hindi, University of Lucknow & Department of Higher Education, U.P. Government on 17th-18th November 2012.
- Participated in National Seminar ‘Manav Adhikar Evam Dalit Sahitya’ and presented paper on ‘Nav Upniveshvadi Yug mein Asmita Vimarsh Aur Hindi Dalit Sahitya’ Organized by Dalit SahityaParishad,Uttar Pradesh on 5th October 2013.
- Participated in National Seminar ‘Premchand Ki Virasat’ and presented paper on ‘21veen Sadi mein Azadi ke Mayane aur Premchand ki Virasat’ organised by Calicut University, Calicut on 4th-5th August 2016.

International Seminar :

- Participated in International Seminar ‘RamkathakaVaishivikParidrishya’ and presented paper on ‘Jain Sahitya Mein Ramkatha’ Organized by Department of Hindi & modern Indian languages, University of Lucknow & Ayodhya Shodh Sansthan, Sanskriti Vibhag, Uttar Pradesh in 2011.
- Participated in International Seminar ‘Nayi Sadi Mein Hindi Ka Vaishivik Paridrishya’ and presented paper on ‘Bhoomandalikaran Ke Daur Mein Hindi’ Organized by Department of Hindi & modern Indian languages, University of Lucknow & Bhartiya Hindi Parishad, Allahabad on 15th-16th October 2011.
- Participated in International Seminar ‘Hindi kiDeshantariPrasthiti : SwroopAurSambhawana’ and presented paper on ‘Maricus Mein Hindi’ Organized by Department of Hindi & modern Indian languages, University of Lucknow & Department of Higher Education, U.P. Government on 12th-13th January 2013.
- Participated in International Seminar ‘Vashivik Chetna Aur Hindi Sahitya’ and presented paper on ‘VashivikChetnaAur Hindi ke SamkaleenVimarsh’ Organized by Department of Hindi & modern Indian languages, University of Lucknow & Department of Higher Education, U.P. Government on 22th-23th February 2014.
- Participated in 10th World Hindi Conference 10-12 September 2015 at Bhopal, Organised by Ministry of External Affairs, Government of India.

Dr. Ram Binod Ray

Seminar /workshop/deliver lecture,resource person(participated,organised,present research paper or accepted)

- Organized a International Seminar as member on 'Indo Japan Relation : Historical, Cultural and Economic Issues on 7th September 2015 at Bhim Rao Ambedkar College, University of Delhi, on 7th September 2015.
- Participated in Two days National Seminar 'Suchana Yug Mein Hindi : Shikshan Evam Parikshan : Samassyein Evam Pariprekshya' Organised by Kendriya Hindi Sansthan &Bharitya Bhasha Sansthan, Government of India presented a paper 'Doorasth Shiksha Pranali Aur Suchana Praudhakee' on 15-16th March 2013.
- Participated in National Seminar 'Media Mediated Realities and its Impact on Psycho-Social Well Being' Organised by Bhim Rao Ambedkar College, University of Delhi, on 13th April 2013.
- Participated in National Seminar Organised by Guru Nanak Khalsha College, New Delhi presented a paper 'Adhunik Sahitya Mein Bhasha ke Badalte Sarokar' on 19th March 2012.
- Participated on "Education in india:vision and mission"on 6th may2014 organised by adult continuing education extention department on Institute of Life long learning
- Participated in Two days workshop "Power of ethics in learning"on 20-21march2013 organised by Ramanujan college and delhi university on Institute of Life long Learning.
- Participated in Two days workshop "Bhumandalikaran ke daur me bhasha ke badalte aayam aur vishesh sandharbh:media"on 9-10th april 2012 organised by Gurunanak dev khalsha college,Delhi university
- Participated in Two days workshop "media:naye aayam" on11-12 march 2011 organised byGurunanak dev khalsha college,Delhi university
- Participated in five days ICT workshop for capacity building of delhi university faculty Tier-II on12th april to 17th april 2010 organised by institute of life long learning ,Delhi university
- Participated in International Symphosiyam 'Contemporary issues south Asia region" on17th October 2015 Organised by Bhimrao ambedkar college,University of Delhi
- Delivered lecture on "Hindi bhasha ke vikas me paribhashik shabdavali ka yogdan"on29th jan2016 organised by nagar rajbhasha karyanvayavan samiti by29 ardhvarsaki on CPCRI kasaragod,kerala
- Paper accepted on "vartaman sandharbh me madhyakalin bharatiya sahitya"for two days national seminar,ugc on10-11th march2016 kalindi college University of delhi
- Paper accepted on "hasiye ki aur badta chutha stambh"for two days national seminar,ugc on17-18th march2016 kalindi college University of delhi
- Research paper present on "angreji ke dansh me hindi ki assmita" two days national seminar, ugc,on "bhasha aur sahitya ka aasmitamulak vimarsh"on 21-22 march2016 organized by satyawati college University of delhi.

- Delivered lecture as Resource person on “Official noting and structure” on 30th June 2016 at workshop organized by central university of Kerala
- Research paper present on “Premchand aur jatiya dansh ka muktipath” two days national seminar, on “Premchand ki virasat” on 4-5th August 2016 organized by Calicut University.
- Research paper present on “Sandhyasundri ka manvikaran” one days national seminar, on 6th August 2016 organized by M.E.S. Asmabi college, Kodungalur, Trisur Kerala.

Dr. Supriya P.

Participation as Resource person in International / National Seminars and Workshops

1. **National Conference** of All India Poetess Conference at Khurja, Delhi from 9th to 11th January 2011.
2. **International Conference** Of All India Poetess Conference at United Arab Emirates, 21st to 28th May 2011.
3. Two days **National Seminar** on “Portrayal of Women in Hindi Fiction- Reality and Fallacy” organized by Department of Hindi, M.E.S. Asmabi College, Kodungallur, Kerala on 11th & 12th July 2011.
4. Two days **International Seminar** on “Pravasi Bharatiya Sahityakaron ka Hindi Sahitya me Yogdan” organized by Post graduate Department of Hindi, Bhusawal Arts, Science and P.O. Nahata Commerce College, Bhusawal on 1st and 2nd Feb 2013.
5. Two days **National Seminar** on “Child Characters in Hindi Literature” organized by Department of Hindi, MES Asmabi College, Kodungallur on 19th & 20th July, 2013.
6. Two days **National Seminar** on “Cultural Context of Contemporary Hindi Fiction” organized by Post Graduate Department of Hindi & Research Centre, Government Brennan College, Thalassery, Kannur on 3rd & 4th October 2013.
7. **National Workshop** on “ICT for Teaching and Learning Hindi Language & Literature” jointly organized by Department of Hindi, MES Asmabi College, Kodungallur and University Grants Commission (MRP) on 19th & 20th June 2014.
8. Two days **National Seminar** on “Philosophy of Swami Vivekananda in today's Education” jointly organized by Department of Languages, MES Asmabi College, Kodungallur & Vivekananda Kendra Vediv Vision Foundation, Kodungallur on 3rd & 4th December 2014
9. Two days **National Seminar** on “India as Producer of Knowledge and Hindi as Lingua Franca” jointly organized by Department of Hindi Language & Literature, St. Joseph's College, Irinjalakuda, Thrissur, Kerala & Hindi Prachar Kendra, Kodungallur on 5th & 6th December 2014.
10. **National Conference** of All India Poetess Conference at Gulbarga, Karnataka from 13th to 15th March 2015.
11. Two days **International Seminar** on “Civil Military relations in Indian literature” organized by Department of Hindi, M.E.S. Asmabi College, Kodungallur, Kerala on 18th & 19th September 2015.

12. **National Seminar** on “Motherhood depicted in Hindi Literature” organized by Department of Hindi, Carmel College, Mala, Thrissur on 16th & 17th November 2015.
13. **National Conference** of All India Poetess Conference at Shillong, Meghalaya from 25th to 27th February 2016.
14. One day **Workshop & Seminar** of Mangalore University Hindi Adhyapak Sangh, Mangaluru held at Govt. First Grade College, Mangalore on 24 March 2016.
15. **National Conference** of All India Poetess Conference in collaboration with Karnataka State Open University, Mysuru at Karnataka State Open University, Mysuru on 21 & 22 May 2016.
16. **International Conference** Of All India Poetess Conference at Mauritius from 12th to 17th June 2016.
17. **International Seminar** of SVASH (Swami Vivekananda Association of Science & Humanities) on 13th August 2016.

Participation in International / National Seminars and Workshops

1. Two days **National Seminar** on “Adhunik Hindi Aur Malayalam Sahitya: Tulnatmak Sandarbh” organized by Department of Hindi ,University of Calicut, Kerala on 30th and 1st October 2010.
2. University Level **Orientation Programme** for Young Teachers organized by PSMO College, Tirurangadi in Collaboration with The Council Of Principals of Colleges in Kerala on 12th and 13th Feb 2011.
3. One day **Workshop** on Translation organized by Bhasha Samanvaya Vedi, Calicut, Kerala on 13th July 2013.
4. Two days **National Seminar** on “Functional Hindi : Various Domains” organized by Post Graduate Department of Hindi & Research Centre, Government Brennan College, Thalassery, Kerala on 8th & 9th October 2014.
5. Three days **National Seminar** on “ Contributions of Ramvilas Sharma” jointly organized by the Post Graduate Department of Hindi & Research Centre, Government Brennan College, Thalassery, Kerala & Payannur College, Payannur, Kerala on 3rd, 4th & 5th February 2015.
6. Two days **National Seminar** on “Hindi aur Malayalam ki Samakaleen Kahaniyon meim Krishak Jeevan : Ek Tulnatmak Adhyayan” organized by Department of Hindi, St. Xavier’s College for Women, Aluva, Kerala on 6th & 7th August 2015.
7. Three days **National Seminar** on “Hindi Malayalam Short stories in the Neo-cultural Scenario : A Comprative approach ” organized by PG Department of Hindi and Research Centre, Govt. Arts & Science College, Kozhikode, Kerala on 13, 14 & 15 October 2015.
8. Two days **National Seminar** on “Voice of Ressiatance in Post Eighty Hindi Poetry” organized by Post Graduate Department of Hindi & Research Centre, Government Brennan College, Thalassery, Kerala on 1st & 2nd December 2015.
9. Two days **National Seminar** on “Service Marketing Challenges and Prospects” organized by Post Graduate Department of Commerce, SARBTM Government College, Koyilandy, Kerala on 10th & 11th December 2015.

10. Two days **National Workshop** on “English Language Teaching in Rural India : Challenges and Innovations ”organized by Department of English, SARBTM Government College, Koyilandy, Kerala on 3rd&4th March 2016.

Invited Talks

1. Talk on “Hindi Upanyas memVideshi naari Ki Niyathi” at All India Radio, Kozhikode, Kerala on 21st October 2014.
2. Talk on” Influence of new media on reading habits of youth” at All India Radio, Kozhikode, Kerala on 23rd March 2015.
3. Talk on “Swacch Bharat Abhiyaan” at All India Radio, Kozhikode, Kerala on 4th December 2015.

Participation of Students in Extension Activities

1. **Vyshnav PV, III Sem MA Hindi** participated in the National Workshop on Navlekhan Shivir on 17th to 24th August 2016 organised by Central Hindi Directorate, Ministry of Human Resource Development.
2. Vyshnav PV, II Sem MA Hindi and Dilna K, IV Sem MA Hindi presented Research Paper at UGC sponsored National Seminar on “New Trends in Hindi Literature” at Payyanur College, Kannur, Kerala on 1st& 2nd February 2016.
3. 5 students participated in the Two days National Seminar on “Hindi Fiction of the 21st century” organised by the Department of Hindi, EK Nayanar Memorial Govt. College, Elerithattu, Nileshtar, Kerala on
4. 5 students participated in the 10th Vishwa Hindi Sammelan at Bhopal on 10th -12th Sep 2015
5. Vyshnav PV, III Sem MA Hindi participated in the All India Essay Competition and secured second prize.

Workshops and Training Sessions Conducted by Faculty

Other Activities

48. Give details of “beyond syllabus scholarly activities” of the department.

- Dr. Seema Chandra served as Presiding Officer in general elections 2016& also severing as Wardon of the Girls Hostel Berka.
- Dr. Dharmendra Pratap Singh served as Micro Observer in general elections 2016.
- Dr. Ram Binod Ray served as Micro Observer& Counting officer in general elections 2016.
- Dr. Ram Binod Ray served as Counting officer in general elections 2016.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

N.A.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength-Our Department has well qualified faculty with Ph.D degree, has the tricks and techniques to develop life skills, values, ethics, morals, discipline among the students in the present trend and scenario. The faculty brings to develop all round development of the Personality of the students.

Weakness-Students are coming from rural area and most of them lack in good communication in Hindi and English. Faculties are working very hard to overcome this weakness.

Opportunity- Students Studying M.A. with Hindi develops life skills, values ethics, morals and discipline. They know different methods of teaching. They can pursue translation Diploma course in future and be good teachers or Translators (Raj Bhasha Adhikari), Language officer and may further pursue M.Phil and so on.

Challenges-In Present scenario and trend it is very difficult to get job in future, hence it is challenge for our students to face and overcome by securing good marks.

52. Future plans of the department.

- Establish M.A. in Functional Hindi and Translation course at Central University of Kerala.
- Take UGC Minor and majors research Projects.
- Organizing National and International Seminar/ conferences in Hindi and Comparative Literature.
- Start PG Translation Diploma Course in Central University of Kerala.
- To Start PG Diploma in Mass Communication.

❖

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF LINGUISTIC

(SCHOOL OF LANGUAGES AND COMPARATIVE LITERATURE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Linguistics**
2. Year of establishment: 2012
3. Is the Department part of a School/Faculty of the university?
Yes. The Department is a part of the School of Languages and Comparative Literature (SLCL)
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
M.A. in Linguistics and Language Technology
Ph.D. in Linguistics and Language Technology
5. Interdisciplinary programmes and departments involved
Elective courses floated across the departments of Linguistics, Hindi & Comparative Literature and English & Comparative Literature
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil
7. Details of programmes discontinued, if any, with reasons:
None
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester & Choice Based Credit System
9. Participation of the department in the courses offered by other departments
Yes.
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	--
Associate Professors	2	1	On deputation
Asst. Professors	4	4	--
Others	0	0	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./M.Phil Guidance
Dr. Thennarasu, S.	M.A., M.Phil. & Ph.D.	Assistant Professor	Morphology, Computational Linguistics, Corpus Linguistics and Natural Language Processing	6	4
Dr. Palanirajan, G.	M.A., M.A., Ph.D.	Assistant Professor	Computational Linguistics, Corpus Linguistics, Lexicography	10	3
Dr. Curiously Bareh	M.A., Ph.D.	Assistant Professor	Descriptive Linguistics, Phonetics & Phonology, Linguistic Typology and Structure of Austro-Asiatic Languages, Languages of North East India	7.9	3
Mr. Chinmay Vijay Dharurkar	M.A., M.Phil. & JRF (PhD pursuing)	Assistant Professor	Sanskrit Grammatical Tradition, Translation Studies, Syntax, Morphology	2.10	NA
Dr. Ravi Sankar S Nair	M.A. Ph.D.	Associate Professor	Syntax and Semantics of Malayalam, Language Pedagogy, Translation Studies, Tribal Languages of Kerala	18	NA

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

None

13. Percentage of classes taken by temporary faculty – programme-wise information

NA

14. Programme-wise Student Teacher Ratio

Sl. No.	Name of the Programme	Student Teacher Ratio
1	M.A. LLT (both 1 st and 2 nd Years)	6:1
2	Ph.D. LLT	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

1 Office Assistant (on contract)

16. Research thrust areas as recognized by major funding agencies

Language Technology and Language Documentation

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Dr. Curiously Bareh – a) National: Scheme for Protection and Preservation of Endangered Languages (SPPELL)

18. Inter-institutional collaborative projects and associated grants received

None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

None

20. Research facility/centre with

Recognition type	Number	Name of the facility
National recognition	1	Resources of Central Institute of Indian Languages, Mysore

21. Special research laboratories sponsored by/created by industry or corporate bodies

None

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International)	45
Monographs	-
Chapters in Books	4
Edited Books	-
Books ISBN Publisher	16
Number listed in International Database	-
Citation Index (Range)	-
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	-
h-index (Range)	-

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

None

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. S. Thennarasu		-
Dr. G. Palanirajan		-
Dr. Curiously Bareh		-
Mr. Chinmay Vijay Dharukar		-
Dr. Ravi Sankar S Nair		-

26. Faculty serving in

Faculty Serving in	Number
National committees	
International committees	
Editorial Boards	3

Any other (please specify)	
----------------------------	--

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. S. Thennarasu	-
Dr. G. Palanirajan	-
Dr. Curiously Bareh	<p>1. 35th Orientation Programme. UGC-Human Resource Development Centre; North Eastern Hill University, Shillong. From 8th February, 2016 to 6th March, 2016</p> <p>2. Refresher Course in Folkloristics and Semiotics. UGC-Academic Staff College, North Eastern Hill University, Shillong. From 26th June 2010 to 16th July 2010.</p>
Mr. Chinmay Vijay Dharukar	-
Dr. Ravi Sankar S Nair	-

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/industry/institute	None

29. Awards/recognitions received at the national and international level by

Faculty	-
Doctoral /Post-Doctoral fellows	-
Students	-

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
POS Tagging Workshops	27/10/2014-31/10/2014	Central Institute of Indian	Prof. Ramamoorthy, L. (Project Head,

		Languages	LDC-IL, Mysore)
Lecture Series-II	10/12/2014, 05/01/2015, 11/01/2015- 12/01/2015, 30/01/2015, 24/02/2015, 25/03/2015- 26/03/2015, 28/03/2015- 30/03/2015	CU-Kerala	Prof. Sachdeva (Former Director of CIIL, Mysore) Prof. Subbarao (Rtd. Professor in Linguistics, University of Delhi) Prof. Ganesan, M. (Former Director, CAS in Linguistics, Annamalai University)
Field Linguistics Seminar	18/02/2015, 19/02/2015, 20/02/2015, 23/02/2015- 25/03/2015 26/03/2015	CU-Kerala	Prof. G. K. Panikkar (Director, DLA, Trivandrum)
Conducted One Day Awareness Programme on DYSLEXIA	07/02/2015	CU-Kerala	District Educational Officer, Kasaragod
Workshop on Semantically classified Vocabulary in Malayalam to English	21-27 th Jan 2016	CU-Kerala	Prof. G. K. Panikkar & Prof. S. Rajendran,
Five day national workshop on Research Methodology and Field Linguistics	21-25 th March 2016	CU-Kerala	Prof. K. Karunakaran

31. Code of ethics for research followed by the departments

Code of ethics for research as applicable to Linguistics has been formulated by the department.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	350*	5	39	100	100
M.A. (current batch)	200	1	16	NA	NA

Ph.D.	26	4	6	NA	NA

* Average for the assessment period for 2-4 days. The numbers of applications received is as per CUCET data

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M.A. (2012-2014)	0%	100%	0%	0%
M.A. (2013-2015)	0%	100%	0%	0%
M.A. (2014-2016)	0%	99.79%	0.21%	0%
M.A. (2015-2017)	0%	100%	0%	0%
Ph.D. (2015)	60%	60%	40%	0%
Ph.D. (2016)	60%	60%	0%	40%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	0
NET	2
SET	0
GATE	0
KSCSTE Ph.D. Fellowships	0
Others – National Fellowship	3+2

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M.Phil	Not Applicable	
PG to Ph.D	6	
Ph.D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	NA
	Other than campus recruitment	NA
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0%
universities within the State	20%
universities from other States	80%
universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

None

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	-----
Internet facilities for staff and students	All faculty and students have access to Wi-Fi/Internet access
Total number of class room	3
Class rooms with ICT facility	3
Students' Laboratories	1
Research Laboratories	None. Proposed

39. List of doctoral, post-doctoral students and Research Associates

Sl. No.	List of Doctoral students
1	Binny Abraham
2	Ganthoti Nagaraju
3	Rasheeda P. V.
4	Rajitha K. V.
5	Anju .B
6	Anjali V Kumar
7	Umalatha Kannothe
8	Prameela P. K.
9	Gholam Mohammad Payman
10	Mohammad Kazem Hasti

40. Number of postgraduate students getting financial assistance from the university.

57.97% of the total students enrolled so far in the department have received the financial assistance.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Not available

42. Does the department obtain feedback from

- (a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Each faculty member provides Feedback on curriculum based on independent evaluation and feedback from students. This feedback is discussed in the faculty council meeting and a document incorporating suggestion for curriculum revision is prepared and presented to the BOS.

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback from students are collected at the end of year using a detailed feedback form on teaching and learning processes and evaluation. The suggestions and opinions are studied and discussed by the teachers to make necessary alignment.

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Suggestions and feedback from the alumni are discussed by the faculty members to make the changes accordingly.

43. List the distinguished alumni of the department (maximum 10)

NA being a very young department.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Special Lecture Series conducted every semester, along with the
- workshops,
- seminars and
- awareness programmes

POS Tagging Workshops	Dr. Thennarasu, S	27/10/2014-31/10/2014	Students and Staff Department of Linguistics, Hindi, and Comparative Literature
-----------------------	-------------------	-----------------------	---

Lecture Series-II	HoD / Dr. Palanirajan and Dr. Curiously Bareh	10/12/2014, 05/01/2015, 11/01/2015- 12/01/2015, 30/01/2015, 24/02/2015, 25/03/2015- 26/03/2015, 28/03/2015- 30/03/2015	Students and Staff Department of Linguistics
Field Linguistics Seminar	HoD / Mr. Chinmay Vijay Dharurkar	18/02/2015, 19/02/2015, 20/02/2015, 23/02/2015- 25/03/2015 26/03/2015	Students and Staff Department of Linguistics
Conducted One Day Awareness Programme on DYSLEXIA	HoD / Dr. A. M. Marykutty (Academic Coordinator)	07/02/2015	School teachers, Students and Staff of the Department of Linguistics, Central University of Kerala
Lecture series	“Uniqueness of Pali Language” by Dr. Yojana Bhagat	01/01/2016	Students and Staff Department of Linguistics

Prof. Sachdeva (Former Director of CIIL, Mysore)

Prof. Subbarao (Rtd. Professor in Linguistics, University of Delhi)

Dr. Amba Kulkarni (Associate Professor, Department of Sanskrit Studies, University of Hyderabad)

Prof. Ramamoorthy, L. (Project Head, LDC-IL, Mysore)

Prof. Ganesan, M. (Former Director, CAS in Linguistics, Annamalai University)

Prof. Sreenathan (Professor in Linguistics, Malayalam University, Tirur)

Dr. Umarani P (Former Head, Department of Linguistics, NEHU)

Prof. Shivarama Padikkal (Professor at CALTS, University of Hyderabad)

Prof. G. K. Panikkar (Director, DLA, Trivandrum)

Prof. Pon Subbiah (Former Dean, School of Language Pedagogy, Head, Centre for Testing & Evaluation, Head, National Testing Service-India, CIIL, Mysore)

Prof. S. Rajendran, Professor of Linguistics, Department of Computational Engineering and Networking, Amrita Vishwa Vidyapeetham, Ettimadai, Coimbatore.

Prof. Dr. C. Shanmugam, former Professor and Head, Department of Linguistics, Bharathiar University, Coimbatore.

Prof (Dr.) K. Karunakaran, Former Vice-Chancellor of Tamil University, Tanjavur.

Dr. Yojana Charandas Bhagat, 352, Ranade Bhavan, Vidyanagari, University of Mumbai, 400098

45. List the teaching methods adopted by the faculty for different programmes.

- Lecture method
- Audio-visual teaching (Lab sessions)
- Group discussion
- Field visits

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Based on the feedback and discussions presented to the BOS objectives of the programme are reviewed from time to time.

47. Highlight the participation of students and faculty in extension activities.

The awareness program on Dyslexia for school teachers in Kasaragod was conducted by the Department with the participation of faculty members and students.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Special Lecture Series
- Awareness programmes on Dyslexia
- Presentation by students on Sociolinguistic issues
- Research forum

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department through its research activities, is working on tackling various issues in computational processing of various Dravidian languages.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Major strength:

- Faculty members from diverse linguistic backgrounds across India
- Located in a linguistically diverse area.

Major Weakness:

- Senior Faculty positions remain unfilled.

Major Opportunities:

- To study language from multilingual perspective
- To document all the seven languages of Kasaragod and other minority languages of Kerala

Major Challenges:

- Limited resources and infrastructure

52. Future plans of the department.

- To document Endangered and minor Languages of the region.
- To set up Centre for Endangered Languages
- To collaborate with international Institutions for linguistic research
- To setup a lab for Forensic Linguistic
- To setup Centre for Advanced Studies in Linguistics



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF MALAYALAM

(SCHOOL OF LANGUAGES AND COMPARATIVE LITERATURE)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Malayalam**
2. Year of establishment: 2015
3. Is the Department part of a School/Faculty of the university?
Yes. The Department is a part of the School of Languages & Comparative Literature
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
P.G (M. A Malayalam)
5. Interdisciplinary programmes and departments involved
None
6. Courses in collaboration with other universities, industries, foreign institutions, etc: None
7. Details of programmes discontinued, if any, with reasons: Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Choice Based Credit System
9. Participation of the department in the courses offered by other departments: Nil
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	4	4
Others			3*
*Academic Coordinator – 1 & Guest Faculty – 2			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./M.Phil Guidance
Dr. A.M Unnikrishnan	MA, MPhil, PhD	Academic co ordinator	Literary Criticism	29	PhD-6

Dr. Devi. K	M.A, B.Ed, M.Phil Ph.D	Asst. Professor	Translation & Cultural studies	4 years & 8 months	
Dr. Chandra Bose.R	M.A, MPhil B.Ed, Ph.D	Asst. Professor	Media studies	8	M.Phil – 3
Smt. Parvathy. P. chandran	M.A, M.Phil, PGDJ	Asst. Professor	Feminist studies		Nil
Sri.Haridas. K	M.A	Asst. Professor	Malayalam Fiction	7	Nil
Dr. Muneer. S	M.A, PhD	Guest faculty	Film studies	6	Nil
Dr. Reeba Kathiran	MA, MPhil PhD	Guest faculty	Sanskrit-General	6	Nil

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.A	20%
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.A	8 : 1
Ph.D.	Nil

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	0	0	0
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies: Nil
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0
	National	1
Total grants received (in `)		

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Chandra Bose.R	Ruling Horribility in novels A Comparative study of Spanish Malayalam Novel	UGC-Minor Research Project	70,000/-
Total Grant			70,000/-

18. Inter-institutional collaborative projects and associated grants received:Nil

Collaboration Type	Project Title	Grant Received
International		
National		

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable

International recognition	0	Not applicable
---------------------------	---	----------------

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International)	
Monographs	2
Chapters in Books	26
Edited Books	16
Books	ISBN Publisher
1. Sree Narayana Theerthapadar	} State Institute of Languages Current Books, Kottayam. State Institute of Languages Priyadarshini Publications. Theertham Books, Thiruvananthapuram. Paridhi Publications. Current Books, Kottayam Theertham Books. Current Books, Kottayam. 2 nd edition, by <i>SPCS Kottayam</i> . Current Books, Kottayam.C Current Books, Kottayam. DC Books, Kottayam
2. Neyyattinkara AP Nair	
3. Naveenothara Niroopanam	
4. Samskrithiyude Veendeduppukal	
5. Mahitha Malayalam	
6. Neyyattinkara AP Nayarum Jnanapradayiniyum.	
7. Punarvayana.	
8. Verukalile Jeevathalam.	
9. Bhavaprabhavam.	
10. Chithayum Chidaakaasavum.	
11. Vakkupalikkunna vakkukal.	
12. Aksharakanthi.	
13. Mukundante kala: Asthitwathinte Arthantharangal.	
Total Number of Books	13+17
Number listed in International Database	
Citation Index (Range)	
Source Normalized Impact per Paper (SNIP)	
SCImago Journal Rank (SJR)	
Impact Factor (Range)	
h-index (Range)	

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Nil	Nil

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Nil

Name of the Faculty	Country	Lab/Institution/Industry Visited

26. Faculty serving in

Faculty Serving in	Number
	1
National committees	Dr. A.M Unnikrishnan, Member, Grant in Aid Committee, Central Institute of Indian Languages, Mysore, nominated by the minister for MHRD, Govt. of India
International committees	Nil
	2
Editorial Boards	Dr A. M Unnikrishnan, 1. Member, Editorial Board, Pragati – Quarterly Research Journal with ISSN 0975 377 X since 2007. 2. Editor, DEK Researcher with ISSN 2349-6924.
Any other (please specify)	Dr. A.M Unnikrishnan, 1. Member, Academic Council, Central University of Kerala. 2. Chairperson of Viva voce board for Ph.D., MG University. 3. Resource person of SCERT and UGC Academic Staff College. 4. Founder Secretary of S.Sreekumar Memorial Balaniketan and Children's library, Kudappanakkunnu, Thiruvananthapuram Est.1998. The institute offered free education for children in art, culture, language and literature, health and computer education till 2013. 5. Member, Executive Committee, Samastha Kerala Sahithya Parishat, est. 1927. 6. Dr.Devi.K, SCERT- MALAYALAM

	TEXT BOOK COMMITTEE
--	---------------------

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Chandra Bose.R	Orientation program,19-02-13to 11-03-13, Academic staff college, Kerala University
Dr. Chandra Bose.R	Refresher course, Comparative Literature,kerala university,November 2011,

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	Award
Awardee	Award
Dr. AM Unnikrishnan	<ol style="list-style-type: none"> 1. Bhashakkoru dollar Award by Kerala University and Federation of Kerala Association in North America (FOKANA). 2. Rev. Fr. T.A. Mathias National Award for Innovative College Educator 2009, Instituted by All India Association for Christian Higher Education (AIACHE). 3. Prof. S. Sivaprasad Award for the Best College Teacher in Kerala 2009 4. Durgadathan Award 2008 for literary criticism, instituted by Tapasya Kala Sahitya Vedi. 5. Dr. Samuel Chandanappally Research Award 2004 (For the best Research Publication- awarded once in two years).

Doctoral/Post-Doctoral fellows	
Awardee	Award
Dr. AM Unnikrishnan	1. UGC Research award 2009 for Post Doctoral Research for 2 years 2. Dr. K.M. George Research Award 2003 (This is a global award, given once in five years for the best Ph. D thesis in Malayalam).
Students	
Awardee	Award

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants

31. Code of ethics for research followed by the departments

Yet to start research department. The process is in final stage.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.A	85	13	36	100	100
Ph.D.	0	0	0	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M.A	NA	100%	0%	0%
Ph. D.	0	0	0%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0

JRF	0
NET	0
SET	0
GATE	0
KSCSTE Ph.D Fellowships	0
Others	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M.Phil	10%	
PG to Ph.D	0	
Ph.D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	0
	Other than campus recruitment	0
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	100
universities from other States	0
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	2
Class rooms with ICT facility	1

Students' Laboratories	NA
Research Laboratories	NA

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	0
Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	0
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

M.A. Students : 21/51

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee develops the curricula and syllabi through interactive seminars and workshops, which is submitted to the academic council and EC for the final approval of the program.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which is submitted to the AC for approval

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, The Department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

NA

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Famous Poet Dr. V Madhusoodhanan Nair inaugurated the Department of Malayalam on 16th September 2015. The Hon. Vice Chancellor, Central University of Kerala were presided over the function. And a Kathakali followed by a demonstration by the artists of Kerala Kalamandalam Deemed University and Cultural Padashala, Payyanur were conducted.
- In connection with the 'Malayala Bhasha Varacharannam' the Department of Malayalam was arranged an invited lecture on 06th November 2015. Dr. R.C Karipath , Director, Nattu Samskrithi, Payyanur made a talk on Nattunanamakl, Basha.
- Conducted Golden Jubilee of Jnana Peetha Award on 18/11/2015. Dr. Aarsu and Dr. A M Unnikrishnan gave lectures on G Shankara Kuruppu the first recipient of Jnana Peetha award in Malayalam.
- Organised Film festival on 27/11/2015.
- Conducted a talk on Panini's Ashtadhyayi by Prof. Ravva Sri Hari, former Vice Chancellor, Dravidian University, Kuppam.on 20th December, 2015.
- Noted Linguistician Dr. Naduvattom Gopalakrishnan gave a talk on *Early Malayalam Prose* on 5/1/2016.
- Famous theatre performer Dr. Chandra Dasan had a talk on *Evolution of Malayalam theatre* on 11/2/2016.
- Literary club "Likhitham" was inaugurated by Dr. Poojapura Krishnan Nair on 21/1/2016 and delivered a lecture on the *Vision of Indian Literature*.
- Sri. Srisailam Unnikrishnan made an invited lecture on new trends in contemporary Malayalam criticism on 28th January 2016.
- Veteran musician Sri. Kanhangad Ramachandran inaugurated "Nirjari" – the departmental Arts club on 10/02/2016. And a Yekshaganam - a folk theatre form that combines dance, music, dialogue, and costume, make-up, and stage techniques with a unique style and form, also conducted in connection with inauguration of Arts Club.
- Conducted the inauguration of Women's club, cultural programmes, and Onam celebration on 07/09/2016. The club were inaugurated by Smt. Rajasree C.R., the Honorable Additional Magistrate of Kasaragod., and made awareness program on Legal safety of Women.

45. List the teaching methods adopted by the faculty for different programmes.

M.A: We follow choice-based credit system for M.A Programme. Students are taking elective courses offered by other sister departments in the school of Languages & Comparative Literature. The department is also offering four elective courses, Cultural studies (MAL 2E 3/5) Malayalam Drama (MAL 2E 5/5), Eco- Dalit- Feminist studies(MAL 3E 1/4), Comparative Literature(MAL 3E 2/4),. We follow, power point lectures, multimedia presentations, white-board and marker pen, videos, paper discussion, Student Presentations, in class and take-home assignments. We follow continuous assessment and end semester exams to evaluate the student performance. Sanskrit Language& Literature is also a core course of M.A Programme.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to foster the research aptitude and teaching skills of the M.A students. Therefore we have student seminars and research paper discussions as part of our curriculum. More than 70% of our M.A. students are from the Kasaragod locality the back ward region of Kerala, we met our mission to give quality higher education to the socially and economically-backward students. Thirty eight of our M.A students were girls; therefore, we met our third mission of women empowerment in higher education.

47. Highlight the participation of students and faculty in extension activities.

- Contributed fund to purchase Brail machines at Blind School, Kasaragod in September, 2016.
- Supplied food and allied services to the old age home Cherkkala, Kasargod in 2015-16.

Talks/Invited Lectures

Dr.Chandra Bose R was invited as resource person by Ayyappa Panicker Foundation, Thiruvananthapuram.

Workshops and Training Sessions Conducted by Faculty

Dr.Devi.K conducted a two day UGC National Seminar on *RITUAL ART AND FOLKCULTURE* On 2015 September

Dr.Chandra Bose R a conducted three day UGC National Seminar on “ The hundred years of Leelakavyam ” in September, 2015.

Other Activities

Dr.ChandraBose , participated in three day work shop on restructuring curriculam of Post Graduation of MG University, Kottayam at SB College, Changanassery on April, 2012.

Dr. Devi K was member of High School text book committee of SCERT (State Council of Education, Research and Training), Thiruvananthapuram in 2015.

Dr. Devi K organised a one day programme of demonstration and performance of “Theyyam”- the ritual art of Malabar, with the help of Folklore Academy, Kannur in September, 2015.

Dr. Devi K organised a one day programme of demonstration and performance of “Koodiyattam”- the temple art of Kerala, with the help of Kerala Kalamandalam in August, 2014.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Literary club Likhitham
Published a handwritten magazine ‘Vakkuri’ in 2015.
- Nirjari arts club
Conducted a Yaksha Gana performance in 2015.
Organising cultural events of students on a regular basis.
- Penma- The woman club
Conducted a talk on Legal safety of Women by Smt. Rajasree C.R, the First Class Judicial Magistrate, Kasargod.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

As a new Department, aim is to contribute to the growth of Malayalam language in modern perspective.

Media studies, translation studies, study on language and cultural diversity are the areas in focus. Special focus will be on highlighting worldwide, the Kasargod district, a lesser privileged area, although abound with cultural and language diversities.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Our faculty is world-class, despite they did not have a foreign post-doc degree. They are highly competitive and comparable in terms of the production of research papers and in imparting the new knowledge to the students and generation of funds to the University.

There is shortage of facility for higher studies in Malayalam in the area.

Even Graduation facilities started in the area only three years back.

We provide Post graduation facility to this area, which is a boon to the needy.

Most of our students are girls, in that way we contribute to the women empowerment of the region.

Most of our students are from poor background, and they have some social and economic hindrances to travel other places for their higher studies. But, we are happy that we support a great majority of the underprivileged students, particularly girl students to pursue their higher studies.

We have an active PTA. More over the Department gets public participation in all it programmes.

Presently the Department functions in a temporary set-up with all limitations attached to it.

52. Future plans of the department.

- To start a research department in Malayalam
- To become the Centre of academic studies for Malayalam language and literature internationally.
- Design futuristic new courses in Malayalam in Media, Translation and Cultural studies.
- To start a digital library.
- Moving to our permanent campus



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF LAW
(SCHOOL OF LEGAL STUDIES)

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Law**
2. Year of establishment: 2014
3. Is the Department part of a School/Faculty of the university?
Yes. Department of Law is a part of the School of Legal studies
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

LL.M
5. Interdisciplinary programmes and departments involved: None
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: None
7. Details of programmes discontinued, if any, with reasons:

None
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System
9. Participation of the department in the courses offered by other departments

None
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	4	4
Others			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr. Gireesh Kumar .J	LL.M.,Ph.D	Asst. Professor	Constitutional Law and Administrative Law	10	Ph.D. 01, M.Phil- 0 and LLM-09

Dr. Jayasankar.K.I	M.A.,LL.M, Ph.D	Asst. Professor	Constitutional Law & Criminal Law	16	Ph.D. – 6(Pursuing) & LL.M – 26
Dr. Meera.S	LL.M Ph.D	Asst. Professor	Constitutional Law and Administrative Law	10 months	Nil
Mrs.Aathira Raju	LL.M, M.Phil.	Asst. Professor	Human Rights Law, Environmental Law & Public International Law	4	LL.M - 4

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
LL.M	0%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
LL.M	05: 1
Ph.D.	NA

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	02	02	02
Administrative staff	02	02	02

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	Nil
	National	Nil
Total grants received (in `)		Nil

Faculty (PI)	Project Title	Funding Agency	Grant Received
Nil	NA	NA	NA

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	
National	Nil	Nil
	Total Grant Received	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International)	Dr.Gireesh Kumar J- 04 Dr. Jayasankar K.I - 17/03 Ms. Aathira Raju - 06 Dr.Meera S -02
Monographs	
Chapters in Books	
Edited Books	
Books	ISBN Publisher
Total Number of Books	

Number listed in International Database	
Citation Index (Range)	
Source Normalized Impact per Paper (SNIP)	
SCImago Journal Rank (SJR)	
Impact Factor (Range)	
h-index (Range)	

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
NIL	NA

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Nil

Name of the Faculty	Country	Lab/Institution/Industry Visited
NA	NA	NA

26. Faculty serving in

Faculty Serving in	Number
National committees	02
International committees	0
Editorial Boards	04
Any other (please specify)	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr.Gireesh Kumar J	<ol style="list-style-type: none"> 1. Attended an Orientation Program (IT-Oriented) conducted by the UGC- Academic Staff College, University of Kerala, from 11th June to 8th July 2008. 2. Attended a Refresher Course in the Subject of "Human Rights and Social Justice, International Humanitarian Law and Refugee Law" at the Indian Society of International Law, Delhi, from 9th to 30th November 2010. 3. Attended a Refresher Course in the Subject of "Global Studies" at the Centre for Professional Development of Higher Education- U.G.C-HRDC, University of Delhi,

	from 9 th to 29 th June 2016.
Dr. Jayasankar K.I	<ol style="list-style-type: none"> 1 ASC-UGC refresher Course on environmental Law, Sponsored by UGC, Teachers Training Programme from 21-10-2002 to 10-11-2002, at NLSIU, Bangalore. 2 ASC-UGC Orientation Programme from 24.10. 2007 to 20.11.2007 at University of Calicut. 3 ASC-UGC refresher Course, Teachers Training Programme from 23-02-2013 to 15-03-2013 at University of Calicut.
Ms. Aathira Raju	<ol style="list-style-type: none"> 1. Attended the “ School on Trade and Public Health” from 05 to 09, October 2009 at New Delhi organised by Centre for Trade and Development & Centre for WTO Studies, IIFT 2. National Workshop on “Socio and Legal Research: Concepts, Methods and Skills” conducted by Government Law College, Ernakulam from 24th to 25th of March 2013 3. State Workshop and Conference on “Revamping Clinical Legal Education” held at NUALS from 17th to 18th of October 2014 4. Training Programme on International Humanitarian Law jointly organised by NUALS and ICRC from 04th to 06th of August 2015
Dr.Meera. S	<ol style="list-style-type: none"> 1. Participated in the ICSSR sponsored Research Methodology for M.Pil and PhD Students from 15/03/2010 to 27/03/2010 at UGC-Academy staff college, Thiruvananthapuram. 2. Attended a course of politics in Bangalore from 10-15th May 2006.

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	
Awardee	Award
Nil	NA
Doctoral /Post-Doctoral fellows	NA
Awardee	Award
Nil	NA
Students	NA
Awardee	Award
Nil	NA

30. Seminars/Conferences/Workshops organized and the source of funding

(national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
National Seminar on "Countering Climate Change, Need for Legal and Policy Reforms" conducted in the Department of Law, Central University of Kerala	17th and 18th March-2016.	Funded by Central University of Kerala	10

31. Code of ethics for research followed by the departments

CUK Animal Ethics committee approval
CUK Institutional Bio-safety Committee approvals

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
LL.M	30	06	14	100	100
Ph.D.	Nil	NA	NA	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
LL.M	0	80	20	Nil
Ph. D.	Nil	NA	NA	NA

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	Nil
Defence Services	Nil
JRF	Nil
NET	01
SET	Nil
GATE	Nil
KSCSTE Ph.D Fellowships	Nil
Others	Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	PG only
PG to M.Phil	NA
PG to Ph.D	NA

Ph.D. to Post-Doctoral		NA
Employed	Campus selection	0
	Other than campus recruitment	08
Entrepreneurs		Nil

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	100%
universities from other States	0%
universities outside the country	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books has been recommended by the faculty council of the department from time to time, which are acquisitioned and disbursed by the main library.
Internet facilities for staff and students	Faculty members and students have access to Wi-Fi Internet facility.
Total number of class room	3
Class rooms with ICT facility	0
Students' Laboratories	NA
Research Laboratories	NA

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	00
Name of Doctoral/PDF students or RA	Advisor
NA	
From other institutions/ universities	00
Name of Doctoral/PDF students or RA	Advisor
NA	

40. Number of postgraduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee develops the curricula and syllabi through interactive seminars and workshops, which is submitted to the academic council and Executive Council for the final approval of the program.

42. Does the department obtain feedback from?

- (a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which is submitted to the AC for approval

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, the department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

YES, the outgoing students were asked to give proposals for any necessary changes in the Syllabus that was taught to them in the farewell program.

43. List the distinguished alumni of the department (maximum 10)

Mr.Zakariya, Mr.Anoop.C, Mr.Jijo Antony, Mrs.Fathima Razak

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- International Human Rights Day Talk on 10th December 2015 By Adv.M.R.Rajendran Nair, Advocate, High Court of Kerala
- Special Lecture on Juvenile Justice, by Dr.Ved Kumari, Delhi University
- Special Lecture on Research Methodology by Dr.B.Yuvakumar Reddy, North Maharashtra University
- Special Lecture on Human Rights Institutions by Dr.Bismi Gopala Krishnan, University of Kerala

- Special Lecture on Teaching and Research in Law by Dr. Balakrishnan .K, NUALS Kochi

45. List the teaching methods adopted by the faculty for different programmes.

We follow choice-based credit system for LL.M. Students are taking elective courses offered by the departments in the school of Legal Studies. The department is also offering two elective courses, we follow, power point lectures, multimedia presentations, Lecture with white-board and marker pen, videos, case discussion, paper discussion, Student Presentations, in class and take-home assignments. We follow continuous assessment and end semester exams to evaluate the student performance.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to foster the research aptitude and teaching skills of the LL.M students. Therefore we have student seminar and research paper discussions as part of our curriculum. As an evidence of our achievement of this mission, one of our LL.M. students has recently cleared the UGC NET examination and joined as Teacher in a nearby Law college. 50% of the students of LL.M have attended several national and international seminars, workshops and conferences.

47. Highlight the participation of students and faculty in extension activities.

Students have actively participated in the celebration of International Human Rights Day, Environmental Day, Independence Day etc. The Legal Aid Clinic functioning in the Department is working in collaboration with the Taluk Legal Service Authority (Regional Unit of the National Legal Service Authority) in providing Free Legal Aid, Legal Awareness etc. to the poor and the needy in the locality.

The faculty of the department have organized National Seminars, Special Lectures by external experts, and Invited Talks etc.

The faculty of Department of Law have delivered lectures in other institutions such as the Govt. Law College, Thiruvananthapuram, NUALS, School of Legal Thought, Mahatma Gandhi University and are invited as resource persons in National and international Seminars and conferences.

Talks/Invited Lectures

Dr. Jayasankar **K.I:**

- Chaired a session in National Seminar on Tolerance at Kerala Law Academy Law College
- Acted as judge in the 11th All India Moot Court Competition, 2016 for Justice V.R. Krishna Iyer trophy, conducted by the Government Law College Thiruvananthapuram from 3rd to 5th March 2016 and Panel Judge in National Moot Court Competitions in various law colleges in Maharashtra

- Resource person in the National Seminar on “Access to Healthcare in Modern Era; Changing Dimensions”
- conducted by the School of Indian Legal Thought, M.G. University, Kerala on 13, 14 and 15th March, 2016
- Resource Person in the Training Programme organised by S.S.Maniyar Law College for the Police Officers in the subject of Human Rights Resource Person in the Training organised for Forest officers in the Jalgaon District
- Resource Person in the National Seminar on Right to Education Held at Ismail Mulla Law College, Satara.
- Resource Person in the Training Programme for Judicial officers in the Jalgaon District in Cyber Laws
- Acted as judge in the 11th All India Moot Court Competition, 2016 for Justice V.R.Krishna Iyer trophy, conducted by the Government Law College Thiruvananthapuram from 3rd to 5th March 2016.

Dr.Gireesh Kumar.J:

- Acted as a Resource Person and presented a Paper on “Right to Work and the Disabled” in the National Seminar on “Realization of Socio- Economic Rights of the Marginalized” conducted by the Department of Law, University of Kerala, from 3rd to 5th February 2011.
- Acted as a Resource Person in the National Interdisciplinary Seminar on “Human Rights of the Socially Excluded-Differently Abled”, conducted by the Government Law College, Thrissur, Kerala, from 11th to 12th October, 2011.
- Acted as a Resource Person for Financial Education and attended a Training Program for the same conducted by SEBI-NISM from 28th to 31st January, 2013.
- Participated and presented a paper titled “Rights of the Disabled, an Insight into the Asian Perspective” In the “Annual International Conference on Law, Regulation and Public Policy”, organized by the “Global Science and Technology Forum” and held in Singapore, from 17th to 18th June-2013.
- Attended workshop on “Information Literacy and Competency” conducted by the Delhi University Library System in Delhi on 20th February, 2014.
- Participated and presented a paper titled, “ Health Rights of the Differently Abled”- the Charity v/s Right Approach” in the National Seminar on “Health Law and Policy- New Dilemmas, New Perspectives” conducted by the Department of Law, University of Kerala, from 23rd to 25th April, 2014.
- Participated and chaired a session on “IPR, Law and Health” in the UGC-sponsored National Seminar on “Health Law and Policy- New Dilemmas, New Perspective” conducted by the Department of Law, University of Kerala from 23rd to 25th April, 2014.
- Participated and chaired the Keynote Address Session in the National Workshop on Competition and Licensing of Intellectual Property: Human Rights Dimensions” conducted by the Department of Law, University of Kerala on 04th and 05th July, 2014.
- Participated, chaired a session and presented a paper on “Parliamentary Democracy and Judicial Independence” in the National Seminar on “Parliamentary Democracy in India: New Trends and Challenges” conducted by the KKTU Government College, Kodungalloor, Thrissur district of Kerala on 08th and 09th December, 2014.
- Participated and chaired a session on the National Seminar on Dimensions of Gender Justice *vis-à-vis* Indian Cultural and Family Values conducted by the National University of Advanced Legal Studies, Kochi, Kerala on 02nd February, 2015.
- Engaged two Sessions on "Indian Constitution & the Rights of Dalits and Indigenous People" in the "UGC Refresher Course on Human Rights and Civil Laws" conducted by the UGC, Human Resource Development Centre, Kannur University, Kerala on 08th May 2015.

- Delivered a Special Lecture on "Indian Constitution & Dalit Rights" at Government Law College, Thiruvananthapuram as part of IQAC program conducted by the Government Law College on 01-02-2016.
- Acted as judge in the 11th All India Moot Court Competition, 2016 for Justice V.R.Krishna Iyer trophy, conducted by the Government Law College Thiruvananthapuram from 3rd to 5th March 2016.
- Participated and chaired a session in the National Seminar on "Access to Healthcare in Modern Era; Changing Dimensions" conducted by the School of Indian Legal Thought, M.G. University, Kerala on 13, 14 and 15th March, 2016.
- Participated and acted as a Resource Person in the National Seminar on "Defining the Parameters of Reservation- Changing Dimensions" conducted by the National University of Advanced Legal Studies, Kochi, Kerala on 19th and 20th March, 2016.
- Participated and chaired the Keynote session in the National Workshop on "Sexual Harassment- Prevention, Prohibition and Redressal" conducted by Dr.B.R.Ambedkar Chair, Dept.of Law and Cell to Combat Sexual Harassment, University of Kerala on 22nd March, 2016.

Dr.Meera S

- Acted as resource person in workshop on Model Public Health Bill on 10th June 2008 at Fourth Estate Hall, Tiruvananthapuram
- Acted as resource person in the National seminar on Dalit Empowerment – Constitutional Mandate and judicial approach on 13th and 14th May 2008 at university of kerala, karyavattom campus, Tiruvananthapuram.

Aathira Raju:

- Acted as a Judge in Surana & Surana Philip C. Jessup International Law Moot held at NUALS from 25th to 27th January, 2013
- Acted as a Judge in Second A.T Markose Memorial National Moot Court Competition held at CUSAT on 2013

Workshops and Training Sessions Conducted by Faculty

Dr.Gireesh Kumar.J, Dr. Jayasankar K.I and Ms. Aathira Raju have worked together in organizing the National Seminar on "Countering Climate Change, Need for Legal and Policy Reforms" conducted in the Department of Law, Central University of Kerala on 17th and 18th March-2016.

Other Activities

Dr.Jayasankar K.I and Dr. Gireesh Kumar J have acted as Examiners and Deputy Superintendents for the Central Universities Common Entrance Test (CUCET-2016) at Kozhikode and Mumbai respectively.

48. Give details of "beyond syllabus scholarly activities" of the department.

Students have participated and won prizes in the Elocution, Essay writing and Quiz competitions etc. at the University level. The students who are selected as Para- Legal Volunteers of the Legal Aid Clinic

functioning in the Department are working in collaboration with the Taluk Legal Service Authority (Regional Unit of the National Legal Service Authority) in providing Free Legal Aid, Legal Awareness etc. to the poor and the needy in the locality.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The students and faculty members are actively engaging in collection and organization of study materials and making presentations as part of curriculum. The revision of syllabus is being done periodically by convening the meeting of the Board of Studies in Law constituted in the department.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths: Our faculty are well qualified, trained and having vast experience in teaching and research activities. They are highly competitive and comparable in terms of the production of research papers and in imparting the new knowledge to the students. Our faculty are highly preferred by the Ph.D aspirants to guide their research. The students of our department are highly meritorious capable of undergoing innovative and experimental academic exercises.

Weakness: Our department is facing some hindrances due to the fact that it has just begun its business as recently in the year 2014 only. Therefore, it may be taking bit more time for the department to perform to its fullest possible extent.

Opportunities: Our institution is the first of its kind in the state of Kerala having state-wide jurisdiction as Kerala had no Central University functioning within the state till the inception of the Central University of Kerala in the year 2009, instituted by the Central Universities Act, 2009.

Challenges: To establish the institution by registering its presence in the academic arena of the state, we have to work hard and produce exceptional result by attracting talent to its helm.

52. Future plans of the department.

A proposal to start three year and five year LLB courses is being prepared and the curricula and syllabi for the same is being finalised. Soon with the recruitment of more faculty members, procurement of

more hardware and soft were resources and the shifting of the department to the 10 acre wide campus owned by the university, we plan to expand the academic and extracurricular endeavours of our institution to new heights of teaching and research in law in an innovative and interdisciplinary manner. The P h D course is to be introduced from the next academic session as a measure to escalate the research aspirations of the department.

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

**DEPARTMENT OF PUBLIC HEALTH AND
COMMUNITY MEDICINE**

(SCHOOL OF MEDICINE AND PUBLIC HEALTH)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department:

Department of Public Health and Community Medicine

2. Year of establishment: 2016

3. Is the Department part of a School/Faculty of the university?

Yes.

The Department is part of the School of Medicine and Public Health.

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M.P.H (Master of Public Health)

5. Interdisciplinary programmes and departments involved

MPH

The courses namely Environment and Health, Health Communication and Health Management are designed to be delivered in collaboration with the Department of Environment Sciences, Department of Education and Department of Public Administration of Central University of Kerala.

6. Courses in collaboration with other universities, industries, foreign institutions, etc. : Nil

7. Details of programmes discontinued, if any, with reasons: Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester -Choice Based Credit System

9. Participation of the department in the courses offered by other departments

Yes. Three out of ten elective courses has to be taken from other departments namely Department of Education, Department of Public Administration and Department of International Relations.

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	2*	2*
Others			

*1 = on Deputation, 1 = on contract basis

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil Guidance
Dr.Madhu U	BDS, MPH	Assistant Professor	Public Health	Seven	Nil
Dr.Elezebeth Mathews	MPH, PhD	Assistant Professor	Public Health	Eight years in total, with 4 years of research experience (including PhD tenure)	Nil

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Faculty

Dr. Joe Varghese, Senior Research Scientist, PHFI, New Delhi

Dr. Arun Bhatt, Assistant Professor, Dept.of Community Medicine, MOSC Medical College,Kolenchery

Mr. Mohammed Shameer, Consultant, Endosufan cell,Kasaragod

Dr. Mohammed Asheel, District Programme Manager, Kasaragod

Dr. Raviprasada, District TB Officer, Kasaragod

Dr. Sreejith Krishnan, Medical Officer, CHC Periya

Dr. Basma, Medical Officer, CHC Periya

Dr. Alok B Raj, Medical Officer, CHC Periya

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
MPH	40%
Ph.D	Not applicable

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
MPH	12:1
PhD	Not applicable

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff	1	0	1*
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies: Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	Nil
	National	Nil
Total grants received (in `)		

Faculty (PI)	Project Title	Funding Agency	Grant Received
--------------	---------------	----------------	----------------

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International		Nil
	Total Grant Received	
National		Nil
	Total Grant Received	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication		Number
Number of Papers Published in Peer Reviewed Journals (National /International)		7
Monographs		
Chapters in Books		1
Edited Books		
Books	ISBN	Publisher
Total Number of Books		
Number listed in International Database		
Citation Index (Range)		
Source Normalized Impact per Paper (SNIP)		
SCImago Journal Rank (SJR)		
Impact Factor (Range)		0.69 -5.02
h-index (Range)		3

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated: Nil

Area of Consultancy	Income Generated

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. Elezebeth Mathews	Germany	Department of Epidemiology and International Public Health, University of Bielefeld, Germany
Dr. Elezebeth Mathews	Edinburgh, Scotland	Edinburgh India Institute The University of Edinburgh, UK
Dr. Elezebeth Mathews	India	Christian Medical College, Vellore
Dr. Elezebeth Mathews	Sri Lanka	Sri Lanka Health Foundation, Colombo
Dr. Elezebeth Mathews	Malaysia	Jeffrey Cheah School of Medicine and Health Sciences(JCSMHS) at Monash University Sunway Campus, Malaysia
Dr. Elezebeth Mathews	Australia	Melbourne University, Australia

26. Faculty serving in

Faculty Serving in	Number
National committees	1
	-
International committees	-
	-
Editorial Boards	-
	-
Any other (please specify)	-

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Elezebeth Mathews	Training at the Department of Epidemiology and International Public Health as part of the program, “A new passage to India” from 30th September to December 30th 2013 at the Department of Epidemiology and International Public Health, University of Bielefeld, Germany
Dr. Elezebeth Mathews	Training forum on “From evidence to effective implementation: Improving the prevention and control of diabetes and other NCDs in South Asia from 28th to 30th May 2015 at Sri Lanka Foundation, Colombo organised by the World Diabetes Foundation, Denmark and ASCEND Research Network, Monash University, Australia
Dr. Elezebeth Mathews	Peri doctoral workshop at the University of Edinburgh, UK as part of Indian-European research network collaboration funded by Economic and Social Research Council (UK), the Deutsche Forschungsgesellschaft (Germany) and the Indian Council for Social Science Research from 29th June -4th July 2015 organised by the Edinburgh India Institute The University of Edinburgh, UK
Dr. Elezebeth Mathews	Workshop on “Manuscript writing” held at Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum from 2nd August to 5th August 2013, organised by the Asian Collaboration for Excellence in Non-communicable disease Research funded by the National Institutes of Health (NIH), USA
Dr. Elezebeth Mathews	Workshop on “Developing a Protocol for a Cochrane Systematic Review” held at Christian Medical College, Vellore from 13th to 17th February 2012
Dr. Elezebeth	ASCEND teaching block 2 on “Prevention and

Mathews	Management of non-communicable diseases “ in Sri Lanka Health Foundation, Colombo from 4th to 11th July 2012 organised by the Asian Collaboration for Excellence in Non-communicable disease Research funded by the National Institutes of Health (NIH), USA
Dr. Elezebeth Mathews	Workshop on ‘Prevention and Management of non-communicable diseases’ hosted by Jeffrey Cheah School of Medicine and Health Sciences(JCSMHS) at Monash University Sunway Campus, Malaysia from 13th June to 1st July 2011, organised by Asian Collaboration of Excellence in Non communicable disease research funded by the National Institutes of Health (NIH), USA
Dr. Elezebeth Mathews	Cardiovascular Disease Epidemiology and Physical Activity Research Methods Course in Mysore, India from 18th -24th May 2011, organised by Centre for Dr. Elezebeth Mathews Chronic Disease Control(CCDC),New Delhi and the Centers for Disease Control and Prevention(CDC), Atlanta, USA
Dr. Elezebeth Mathews	5th Annual NIH Conference on the “Science of Dissemination and Implementation: Research at the Crossroads” at Maryland, USA in March 19-20, 2012
Dr. Elezebeth Mathews	8th Annual Oxford Health Alliance Summit on ‘Chronic epidemic disease: from raising awareness to driving change’ at Keble College, Oxford, UK in April 2011.
Dr. Elezebeth Mathews	9th European Congress on Tropical Medicine and International Health, Basel, Switzerland from 6th to 10th September 2015
Dr. Elezebeth Mathews	4th International Congress on Physical Activity and Public Health Conference “Active Futures – Evidence Informing Change, Sydney, Australia from October 31- November 3, 2012

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	Not applicable
percentage of students doing projects in collaboration with other universities/industry/institute	Not applicable

29. Awards/recognitions received at the national and international level by

Faculty	
Awardee	Award
Dr. Elezebeth Mathews	Cash award and certificate of merit for the best paper award at the Scientific Meet held on March 15th, 2014 by Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum
Dr. Elezebeth Mathews	Young Scientist Award for the Best Paper presentation in the 6th Kerala Environment Congress 2010
Dr. Elezebeth Mathews	DAAD funded scholarship at the Department of Epidemiology & International Public Health, University of Bielefeld, Germany from 30th September 2013 to 31st December, 2013
Doctoral /Post-Doctoral fellows	
Awardee	Award
Students	
Awardee	Award

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Nil

31. Code of ethics for research followed by the departments

All MPH dissertations will need to be presented and approved by the Institutional Ethics Committee (IEC) of Central University of Kerala. All research projects undertaken in the department will comply the ethical standards for human research and will have to be approved by the IEC of the university.

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
MPH batch 1	29				
MPH batch 2	75				

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
MPH	-	100	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	
Defence Services	
JRF	
NET	
SET	
GATE	
KSCSTE Ph.D Fellowships	
Others	

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	Campus selection
	Other than campus recruitment
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	50%
universities from other States	50%

universities outside the country	0
----------------------------------	---

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil	Nil
D.Sc.	Nil
D.Litt.	Nil
PhD	1

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	2
Class rooms with ICT facility	1
Students' Laboratories	Not applicable
Research Laboratories	Not applicable

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	
Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee developed the curriculum and syllabus through interactive seminars and workshops, which was submitted to the academic council and Executive Council for the final approval of the program

42. Does the department obtain feedback from

- (a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which is submitted to the academic council for approval

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, The department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

YES, the outgoing students were asked to give proposals for any necessary changes in the Syllabus that was taught to them in the farewell program.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Special lecture by Hon.VC Prof. (Dr.) G Gopakumar on Political perspectives of Public Health.
- Special lecture by Dr. Raviprasada, District TB Officer, Kasaragod on Epidemiology and control of Tuberculosis and RNTCP programme.
- Invited guest lecture by Dr. Mohammed Asheel, District Programme Manager, Kasaragod on endosulfan interventions and trauma care in general

45. List the teaching methods adopted by the faculty for different

programmes.

MPH- We follow lectures, group discussions, research articles discussion, student Presentations, in class and take-home assignments, field exposure visits and field study projects. We follow continuous assessment and end semester exams to evaluate the student performance. Field visits are compulsory for MPH students.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to nurture the research aptitude, program management and teaching skills, the administrative capabilities of the MPH students. Apart from teaching, we organise regular student seminars, practical problem solving assignments and research paper discussions as part of our curriculum. We conduct regular assessments for each course and provide individual based feedback for progress.

47. Highlight the participation of students and faculty in extension activities.

Talks/Invited Lectures

1. Elezebeth Mathews- Invited lecture for the “Workshop on high quality validation of physical activity measurement” from March 8th to 9th, 2016 organised by the Public Health Foundation of India, New Delhi/NCR Gurgaon.
2. Elezebeth Mathews- Invited as a resource person on “Workshop on the evaluation of the Kerala Diabetes Prevention Program” from April 8-10th, 2015 at the University of Melbourne, Australia.
3. Elezebeth Mathews- Invited resource person for the Continuing Nursing Education program on “manuscript writing” on 5th April '16 (Tuesday) at the Senate Hall, Pushpagiri Hospital Campus, Thiruvalla
4. Elezebeth Mathews- Selected to present a case study in the Global Forum on Research in Bioethics on 3-4 November 2016 at Buenos Aires, Argentina, fully sponsored by the National Institutes of Health, USA, Medical Research Council, UK, Wellcome trust, UK and Bill and Melinda Gates Foundation.

48. Give details of “beyond syllabus scholarly activities” of the department.

One of the faculty is involved with research work on “Kerala Diabetes

Prevention Program” at Sree Chitra Tirunal Institute of Medical Sciences and Technology, Trivandrum, funded by the World Diabetes Foundation, Denmark

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths are:

1. Multidisciplinary faculty and students
2. International research collaboration of the faculty
3. Adequate infrastructure for teaching
4. Collaboration with health institutes at National, State and local level
5. A supportive and proactive university administration

Weaknesses are:

1. Early stage
2. Limited student enrolment
3. Physical location of the department

Opportunities

1. Located in an under developed/ under researched area, which has a potential for community based research programs of public health relevance
2. Developing a cadre of public health professionals from the northern part of Kerala
3. To address the health problems of the locale by providing community health services

Challenges

1. Supporting and facilitating the growth in its nascent stage

2. Attracting the creamy layer of students and in-service health professionals.

3. After program job placement of MPH graduates

52. Future plans of the department.

- We aim to transform the department to a centre of excellence in public health teaching, research and practice.
- We will utilize the existing national/international collaborations to bring in research projects.
- We will facilitate community based health initiatives in Periyar and in Kasargod as a whole



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF CHEMISTRY

(SCHOOL OF PHYSICAL SCIENCES)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Chemistry**

2. Year of establishment: **2012**

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Physical sciences

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M. Sc. Chemistry & Ph.D. Chemistry

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **None**

7. Details of programmes discontinued, if any, with reasons:

None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System (Semester)

9. Participation of the department in the courses offered by other departments

None

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	2	2
Asst. Professors	4	4	4
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./M.Phil Guidance
Dr. A. Sakthivel	M.Sc., Ph.D.	Associate Professor	Inorganic Materials	13 Y, 11 M	Ph.D.-3

			Chemistry & Catalysis processes		
Dr. Pradeepan Periyat	M.Sc., Ph.D.	Associate Professor	Inorganic Chemistry	8 Y 3 M	Ph.D.-1
Dr. Bini George	M.Sc., Ph.D.	Asst. Professor	Organic Chemistry & Nano Chemistry	11 Y 2 M	Ph.D.-3
Dr. Deepa Janardanan	M.Sc., Ph.D.	Asst. Professor	Computational Chemistry & Organic Chemistry	7 Y 4 M	Ph.D.-2
Dr. Ravi Kumar Kanaparthi	M.Sc., Ph.D.	Asst. Professor	Physical Chemistry: Materials Chemistry	4 Y 7 M	Ph.D.-3
Dr. M. Bhagiyalakshmi	M.Sc., Ph.D.	Assistant Professor	Physical, Material, Nano & Environmental Chemistry	8 Y 8 M	Ph.D.-3

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Professors: Prof. S. Sugunan, Prof. K. K. Mohammed Yusuff, Prof. M. Padmanabhan, Prof. K. L. Sebastian, Dr. K. G. K. Warriar

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc.	0%
Ph.D.	0%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc.	5.2:1
Ph.D.	2.6:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
------------	------------	--------	--------

Academic support staff (Technical)	1	1	1
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Catalysis by molecular sieve materials, industrial-heterogeneous catalysts development, nanomaterials, biological studies of pesticides and finding of drug candidate from the natural source i.e. from the phytochemicals and chemical medication, the reactivity of various bioinorganic complexes, photophysics of pi-conjugated molecules, dye-sensitized solar cells, CO₂ capture by solid sorbent, electrochemical conversion of CO₂ to value added products, and photocatalytic reduction of CO₂, production of biodiesel from algal biomass using heterogeneous catalysts

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	-
	National	3
Total grants received (in Rs.)		96,92,800

Faculty (PI)	Project Title	Funding Agency	Grant Received (in Rs.)
Dr. A. Sakthivel	Functionalized nano-structured silico-aluminophosphate... ...catalytic applications	DST-SERB, Govt. of India	52,06,800/-
Dr. Ravi Kumar Kanaparthi	Molecular Engineering of Low-Cost Metal-Free Organic Dyes for Dye Sensitized Solar Cell Applications.	DST-SERB, Govt. of India	20,50,000/-
Dr. M. Bhagiyalakshmi	Exploration on a bio-electrocatalytic system for conversion of CO ₂ to formic acid/methanol in CO ₂ capture and utilization processes.	DST-SERB Govt. of India	24,36,000/-
Total Grant (in Rs.)			9692,800

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	Nil
	Total Grant Received	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Not applicable

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International)	105
Monographs	-
Chapters in Books	8
Edited Books	-
Books	ISBN
Jacob Chacko (Ed) Higher Education In India-New Perspective	978-93-7831-347-9
	Publisher
	Manak
Total Number of Books	01
Number listed in International Database	181
Citation Index (Range)	0-165
Source Normalized Impact per Paper (SNIP)	0.2– 4.4
SCImago Journal Rank (SJR)	0.15 – 9.2
Impact Factor (Range)	0.35 - 23.3
h-index (Range)	4-25

23. Details of patents and income generated

Patent Details	Income Generated
Olaf Timbe, Sakthivel Ayyamperumal , Trunschke, Annette, Schlögl, Robert, <i>Phase-enriched MoVTeNb mixed oxide catalyst and methods for the preparation thereof</i> - PCT/EB2009/051961 WO2009/106474 A2	-NA-
R. V. Jasra, J. Das, S. Unnikrishnan, A. Sakthivel , Improved method on synthesis of MWW Zeolite using low cost materials PCT Patent 2012/070067 WO2012/070067	-NA-
Walter, H-M., Hanefeld, P., Kühn, F. E, Sakthivel, A , Hijazi A., Voit, B., Narayanan, R., <i>Catalysts for the polymerization of unsaturated monomers</i> , Ger. Offen. GWXXBX DE 102005038284 A120070222 (2007) 13pp.	-NA-
Sugi, Y., Komura, K., Sakthivel, A , Shirakawa, K., Koyanasai, T. Method to synthesize β -zeolite, Jpn. Kokai. Tokkyo Kobo (2008) 13pp (2008) Coden: JKXXAF JP2008239450A	-NA-
Hyun Tae Jang, Wang Seog Cha, Ji Yun Lee, M Bhagiyalakshmi, Ramani Anuradha, Hwa Yung Lee, Joo Boo Lee, Sung Yong Lee, 'A production method of polymer nanocomposite fabricated over mesoporous materials' KR101044970 (B1) - 2011	-NA-
Hyun Tae Jang, Wang Seog Cha, Ji Yun Lee, M Bhagiyalakshmi, Ramani Anuradha, Hwa Yung Lee, Joo Boo Lee, Sung Yong Lee, 'Preparation of mesoporus polymer based nanopolymerized nanocomposite' US2011/0172084 A1 (2011)	-NA-
Hyun Tae Jang, Wang Seog Cha, Ji Yun Lee, M Bhagiyalakshmi, Ramani Anuradha, Hwa Yung Lee, Joo Boo Lee, Sung Yong Lee, 'Preparation of mesoporus polymer based nanopolymerized nanocomposite' US 8530613 B2 (2013)	-NA-
Jang Hyun Tae, M Bhagiyalakshmi, Peng Meimei, Jeong Ui Min, Joo Boo Lee, Sung Yong Lee, 'A production method of high porosity carbon' KR20120005257 A (2012)	-NA-
Hyun Tae Jang, Wang Seog Cha, Ji Yun Lee, M Bhagiyalakshmi, Ramani Anuradha, Hwa Young Lee, Joo Boo Lee, Sung Yong Lee, 'Method for manufacturing mesoporus material for polymer nanopolymerization complex' CN102170966 B (2014)	-NA-

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Through registration in a workshop on Microscale Chemistry	10,000/-
Through registration in National Seminar Recent Advances in Chemistry (RAC-2015)	13,500/-
Through Analytical Service	10,000/-
Through registration in 5-day training programme Sophisticated Analytical Instruments	6,000/-

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

None

Name of the Faculty	Country	Lab/Institution/Industry Visited

26. Faculty serving in

Faculty Serving in	Number
National committees	02 (SERB reviewer committee)
International committees	Nil
Editorial Boards	Nil
Any other (please specify)	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs)

Name of the Faculty	Programme attended
Dr. A. Sakthivel	Petroleum refining & Petrochemicals, Indianoil Institute of Petroleum Management, Gurgaon, 2013
Dr. A. Sakthivel	Orientation Programme (OR-74), UGC-ASC, 2013, University of Delhi
Dr. A. Sakthivel	Refresher Course in Chemistry, UGC-HRDC-University of Delhi, 2015
Dr. Pradeepan Periyat	Refresher Course in Environmental Science, UGC-HRDC-Kannur University, 2015
Dr. Pradeepan Periyat	Orientation Course, UGC-ASC, 2014
Dr. M. Bhagiyalakshmi	122 nd Orientation course UGC-ASC, Academic Staff College, University of Madras, 2015.
Dr. Ravi Kumar	Refresher Course in Chemistry, Recent Trends in

Kanaparthi	Chemical Sciences, UGC-HRDC-University of Hyderabad, 2016
------------	---

Sr.No.2121310049

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100%
percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	4
Doctoral /Post-Doctoral fellows	-
Students	11

Faculty

- (i) DST-SERB Young scientist project award Dr. Ravi Kumar Kanaparthi (2013)
- (ii) DST-SERB Young scientist project award Dr. M. Bhagiyalakshmi
- (iii) Dr. Sistala Kameswari Young Scientist Award Dr. A. Sakthivel
- (iv) Young Scientist Research Award in 5th Asia-Oceania Conference on Green & Sustainable Chemistry

Student

- (i) CISR-Fellowship 09/1108(0002)/2013-EMR-I; Saranya K.S.
- (ii) UGC-Fellowship Ref.No.22/12/2013(ii)EU-V- 2121310049; Shamna, I.
- (iii) UGC-Fellowship Ref.No. 21/06/2015(i)EU-V- 2061510057; Sajith.N.V
- (iv) DST-Inspire Fellowship (DST/INSPIRE/03/2015/003023); Ms. Anjali, K
- (v) DST-Inspire Fellowship (DST/INSPIRE/03/2015/004747); Ms. Shashikala K,
- (vi) DST-Inspire Fellowship (DST/INSPIRE/03/2015/004537); Ms. Sajina, N
- (vii) KSCSTE Research Fellowship (001/FSCH-Main/2015/KSCSTE) & Gate 2016 Ms. Aiswarya
- (viii) UGC-Fellowship Ref.No. 20/12/2015(ii)EU-V- 2121510057; Anusha.A
- (ix) UGC-Fellowship Ref.No. 20/12/2015(ii)EU-V- 1121510040; Francis
- (x) GATE-2016, Ms. Preeti Sahu
- (xi) Gate 2016, Ms. Akhila, M

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
3-Day Training Programme on Sophisticated Analytical	11-15 Jan 2016	Central University	

Instruments,		of Kerala	
National Seminar on Recent Advances in Chemistry (RAC)-2015	3&4 Nov 2015	Central University of Kerala	Padmasree Prof. ED Jemmis (IISc, Bangalore), Prof. Anunay Samanta (UoH, Hyderabad), Dr. Suresh Das, Executive Vice President (KSCSTE, Trivandrum)
3-Day Training Programme on Microscale Chemistry	Feb 12-14 2014	Central University of Kerala	Prof. S. L. Kelkar Pioneer of 'Microscale Chemistry' (University of Pune) Dr. Lisa Sreejith Assistant Professor Participant (NIT Calicut)

31. Code of ethics for research followed by the departments

Ph. D guidelines (Ordinance 12/24) of Central University of Kerala

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	3300	13	48	91	97
Ph.D.	40	3	13	NA	NA

* Total number of applications received during the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc. Chemistry	NIL	82	18	NIL
Ph.D. Chemistry	25	69	6	NIL

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0

Defence Services	0
JRF	0
NET	0
SET	0
GATE	2
KSCSTE Ph.D. Fellowships	2
Others (DST-Inspire)	3

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	UG programme is not offered	
PG to M.Phil.	M. Phil. programme is not offered	
PG to Ph.D.	0%	
Ph.D. to Post-Doctoral	0%	
Employed	Campus selection	Nil
	Other than campus recruitment	Nil
Entrepreneurs	Nil	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	Nil
universities within the State	16 %
universities from other States	84 %
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Nil
Ph.D.	01
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Sufficient number of books has been recommended by the Department faculty council time-to-time and is placed in the main library itself.
Internet facilities for staff and students	The Department staff and

	students are well connected with the internet connection. At present, 20 computers are available.
Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	3
Research Laboratories	8

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	Nil
Name of Doctoral students	Advisor
Sharanya K. S.	Dr. Bini George
Vishnu R.	Dr. Bini George Co-supervisor
Shamna I. Mijun Chandran Anusha A	Dr. M. Bhagiyalakshmi
Sreelekha E Sajina N	Dr. Bini George
Manjeev Singh Aghila M	Dr. Ravi Kumar Kanaparthi
Sajith N V	Dr. Pradeepan Periyat
Anjali K Preeti Sahu Sreenavya	Dr. A. Sakthivel
Aiswarya Purushothaman Shashikala K	Dr. Deepa Janardhanan
From other institutions/ universities	
Name of Doctoral/PDF students or RA	Advisor
Maqsood Ahmed Dhanjay Sharma	Dr. A. Sakthivel
Mr. Jithesh Ms. Shahnas beegam Mr. Binu Naufal Mr. Sanjay Gopal Mr. Dineesh Kumar	Dr. Pradeepan Periyat

40. Number of postgraduate students getting financial assistance from the university.

M.Sc. Students: 17 / 28

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

YES. The Department has formed based on an expert committee suggestion, and a consultative subject expert committee developed the curriculum and syllabus through various seminars and workshops, which was submitted to Academic Council and Executive Council for final approval of the programme.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

YES. After every academic year the faculty council meets and suggests necessary changes to curriculum and syllabus of a programme which will be submitted to Academic Council for final approval.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES. The Department evaluates the feedback and necessary changes will also be taken accordingly to improve teaching and delivery methods.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The outgoing students were asked to give suggestions for any necessary changes in the syllabus that they have studied. Valid suggestions are generally incorporated while modifying the syllabus.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The Department organizes various lectures by inviting eminent faculty of the other universities and/or institutes of the national importance to enrich scientific knowledge in thrust research areas among the students. In addition, the Department also organizes general lectures on personality development.

Name of the Visitors	Designation	Nature of Lecture	Date, Month and Year of visit
Prof. K. L. Sebastian	Professor IPC Department, Indian Institute of Science Bangalore-560 012.	General Lecture on Quantum Chemistry	23-03-2014
Dr. K. G. K.	Scientist 'G' and Head,	General Lecture	30-09-2014

Department of Chemistry

Warrier	Materials Division, National Institute for Interdisciplinary Science and Technology, Council of Scientific and Industrial Research Trivandrum -695 019	on Titania nanomaterials and their applications	
Prof. S. Sugunan	Emeritus Scientist Department of Applied Chemistry Cochin University of Science and Technology Kochi-682022.	Special Lecture on Statistical Mechanics, Spectroscopy etc.	28-10-2013 to 30-10-2013 25-11-2013 to 27-11-2013 10-12-2013 to 12-12-2013 28-04-2014 to 01-05-2014 12-05-2014 to 14-05-2014 26-08-2014 to 28-08-2014 15-12-2014 to 17-12-2014
Prof. K. K. Mohammed Yusuff	Emeritus Scientist Department of Applied Chemistry Cochin University of Science and Technology Kochi-682022.	Special Lecture on Group Theory and Coordination Chemistry	19-11-2013 to 21-11-2013 07-01-2014 to 09-01-2014 18-03-2014 to 20-03-2014 22-04-2014 to 24-04-2014 04-12-2014 to 06-12-2014
Prof. M. Padmanabhan	Guest Faculty School of Chemistry Indian Institute of Science Education and Research (IISER) Trivandrum-695016	Special Lecture on "Structure elucidation of organic compounds by spectroscopy methods"	15-0-11-2014 to 17-11-2014
Mr. Anto Varkey	Professional Corporate Trainer. Rtd. Manager of Cochin Refineries, Cochin.	Special Lecture on 'Positive Thinking and Personality Re- engineering'	26 th March, 2014
Dr. V. Sivaranjana Reddy	Assistant Professor School of Chemistry Indian Institute of Science Education and Research (IISER) Trivandrum-695016		
Prof. S. Sugunan	Emeritus Scientist Department of Applied Chemistry Cochin University of Science and Technology Kochi-682022.	Special lecture on chemical kinetics & electro chemistry ii) Special lecture on catalysis.	29-08-2016 to 01-09-2016 26-09-2016 to 30-09-2016

45. List the teaching methods adopted by the faculty for different programmes.

M. Sc. Chemistry : Board and Chalk Method, giving Notes and Materials, Power Point Lecture Presentations by using OHP, Research Paper Discussions, Conducting Student Seminars, Live Demonstration of various Experiments, Multimedia Presentations and visiting National Laboratories.

Ph. D. Chemistry : Board and Chalk Method, giving Notes and Materials, Power Point Lecture Presentations, Research Paper Discussions, Conducting Student Seminars, Multimedia Presentations and attending National/International Conferences.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The Department aims to provide students with firm grounding in the theoretical principles, rigorous hands-on-experience on sophisticated analytical instruments, research aptitude and teaching skills. Therefore, to accomplish the programme objectives, we conduct examinations, home-assignments, seminars, research paper discussions etc. through which the students are monitored continuously and ensured that the learning process is effective. Fruits of these initiatives are yet to come (the Department has just produced one batch of M. Sc. Students). As of now, 25% of our MSc students are from the Kasaragod locality which meets our mission to give 'quality higher education to the socially and economically-backward students'. Similarly, 69% of our M. Sc. students were girls that satisfy another mission 'women empowerment in higher education'. Most of the students have appeared for various competitive examinations like GATE, UGC-CSIR, KSTSTE and government jobs etc. (results awaiting).

47. Highlight the participation of students and faculty in extension activities.

Name of the Faculty	Name of the Conference/Seminar/Workshop	Nature of the presentation & Title of the Work Presented	Date	Organized By
Dr. A. Sakthivel	10th Face to face with frontiers of Science & Technology 2016	What we know about the chemistry of earth crust	23rd April 2016	Teachers for Science Kerala, Swadeshi Science Movement

	17th National Workshop on Challenging in Catalysis Science and Technology, IICT-Hyderabad.	Invited Talk on Preparation of Organo-functionalized Molecular Sieve Materials and its Catalytic Application	23rd-25th June 2016	CSIR-IICT & Catalysis Society of India.
	Faculty program on Recent Advancements in Materials (FDP-RAM16)	Guest Lectures Framework and Non-framework materials Preparation & their characterization	18th July 2016	TEQIP II Sponsored Faculty Development Program
Dr. M. Bhagiyalakshmi	International Conference On Nano Materials: Science, Technology and Application (ICNM' 13)	Oral Paper presentation : Synthesis of Gold Nanoparticles Confined Amine Grafted SBA-15 for Carbonic Anhydrase Immobilization and its Application for CO ₂ Sequestration	5-7th Dec., 2013	Abdur Rahman University, Chennai, India
Dr. Bini George	National seminar on Polymers-Plural Thoughts Over the Boons and Bans	Oral Paper presentation : 'Applications of Polymers in Nanotechnology'	6-7 th Feb., 2014	Nehru College, Padnekkad, Kerala, India
Dr. Ravi Kumar Kanaparthi	Asian Photochemistry Conference - 2014	Poster Presentation: <i>Intramolecular Photoinduced Reactions in Corrole-Pyrene and Corrole-Fluorine Dyad Systems</i>	10-13 th Nov., 2014	IISER & NIIST Trivandrum, India

☛ Other Activities of the Faculty:

Name of the Faculty	Served as
Dr. A. Sakthivel	<p>❖ Reviewer of the following International Journals Scientific Reports Microporous Mesoporous Materials Catalysis Science and Technology Advanced Porous Materials Industrial & Engineering Chemistry Indian Journal of Chemical Technology</p> <p>Ph.D. thesis external examiner for National Chemical Laboratory (CSIR-NCL) Pune, Periyar University, Tamil Nadu</p>

	<p>Alagappa University, Tamil Nadu Saurashtra University, Gujarat</p> <p>DST-SERB- Project reviewer</p>
Dr. Bini George	<p>❖ Examiner for School of Chemical Sciences, M.G. University, Kottayam, Kerala.</p>
Dr. Ravi Kumar Kanaparthi	<p>❖ Reviewer of the following International Journals</p> <p>RSC Advances Physical Chemistry Chemical Physics</p> <p>❖ Ph.D. thesis external examiner for School of Chemistry, Andhra University, Visakhapatnam.</p> <p>❖ Observer for UGC-NET (December 2014 & June 2015) and JEE – 2015.</p>
Dr. M. Bhagiyalakshmi	<p>❖ Reviewer of the following International Journals</p> <p>Journal of CO₂ Utilization Journal of Saudi Chemical Society Journal of Environmental Chemical Engineering Journal of Industrial & Engineering Chemistry Korean Journal of Chemical Engineering</p> <p>❖ Observer for UGC-NET (December 2014) and JEE – 2015.</p>

👤 Activities of the Students:

- 🏆 **Two students participated in 30th Inter-University South Zone Youth Festival organized by Tumkur University, Karnataka During 8-12th December, 2014.**
- 🏆 **M. Sc. Chemistry students have participated in various university level competitions and bagged a few prizes.**

48. Give details of “beyond syllabus scholarly activities” of the department.

- The Department has conducted Essay & Photo Competition on “Science & Society” on National Education Day, 11 November 2013.
- The Department has organized “Green Campus Programme” on 25th

June 2015.

- Dr. Ravi Kumar Kanaparthi served as Micro-observer for General Elections – 2014 in Trikaripur Constituency, Kerala.
 - Dr. Pradeepan Periyat served as Micro-observer for State Elections – 2016, Kerala
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

NO

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Dr. Sakthivel has developed non-frame work and frame work multi-composite materials as heterogeneous catalysts for various petrochemical relevant reactions such as hydro-isomerization, hydroformylation, CO₂ utilization, etc. Very recently, he has developed method on removal of template from functionalized microporous zeolite like molecular sieves and the work has been published in Nature Scientific Reports (doi:10.1038/srep22813) 2016

Recently, Dr. Deepa Janardanan and her collaborator Professor Sason Shaik of The Hebrew University have studied '*tunneling influence*' in C-H abstraction reactivity of metal oxo complexes. Besides they have developed A Unified Theory for Bioinorganic Chemical Reactivity of Oxometals and Analogous Oxidants: The Exchange and Orbital Selection Rules. Her investigations are highlighted in high impact scientific journals 'Journal of American Chemical Society' (Ref: J. Am. Chem. Soc. 2015, 137, 722-733) and 'Accounts of Chemical Research' (Ref: Acc. Chem. Res. 2013, 46, 471- 482) respectively.

Dr. Ravi Kumar and his collaborator Dr. L. Giribabu of CSIR-IICT, Hyderabad have made few carbazole based sensitizers for Dye Sensitized Solar Cell Applications which can reduce the production costs to much lower prices. In addition, for the first time he has studied 'Intramolecular Photoinduced Reactions in Corrole-Pyrene and Corrole-Fluorene Dyad Systems'. These research findings were published in international scientific journals: 'Journal of Chemical Sciences (Ref: J. Chem. Sci., 127, 383-394, 2015) and RSC Advances (Ref: RSC Advances 18-26, 284, 2014.) respectively.

Dr. M. Bhagiyalakshmi has developed various methods to capture greenhouse gases like CO₂ that include electrochemical reduction method and her contributions were highlighted in international journals like Journal of Physical Chemistry C (Ref :J. Phy. Chem. C, 118(31), 17556-17566, 2014) and Applied Energy (Ref: Appl. Energy, 120, 85-94, 2014).

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- ✓ Dedicated vibrant young and highly qualified faculty.
- ✓ Flexibility in curriculum, semester based CBCS system and target oriented teaching.
- ✓ Good infrastructure facilities. Especially modern laboratories equipped with sophisticated analytical instruments.
- ✓ Conducting special lectures, seminars, workshops etc.
- ✓ Financial and administrative support of the University.

Weaknesses:

- ☹ Acute space problem to organize various programmes. Almost no space for carrying out advanced research and to procure sophisticated instruments.
- ☹ Lack of space also restricts setting up the Departmental library.
- ☹ Lack of subscription of *e*-journals and *n*-list.
- ☹ Existing vacancies of the sanctioned faculty and non-teaching positions.
- ☹ Remote location of the University leads to transportation & accommodation problems.

Opportunities:

- Being a part of the Central University, the Department offers wide scope for the M. Sc. students to learn.
- In this socially and economically backward district, this kind of Department does not exist with sophisticated analytical instruments and quality teaching faculty which indeed open up valuable opportunities to the students.
- Hands-on-experience of the sophisticated analytical instruments is a good opportunity to the M. Sc. students in getting employment and highly beneficial for their doctoral studies.
- The existing instrumentation facilities are already open to the students and faculty of the sister Departments for their research work. Currently, the Department is planning to

make available the analytical instrumentation facility to the other Colleges, Schools and Universities.

Challenges:

- + High quality research in the limited space.
- + To increase the Ph. D. students strength.
- + Attracting the quality post graduate students.
- + Motivating the post graduate students towards research.
- + Employment to the passed-out students of the Department.
- + Collaborative research work with industries and academic institutes of the country and abroad.

52. Future plans of the department.

- ✓ Academic activities
 - Develop a centre of excellent on both teaching & research
 - Connect academic-industrial relations with collaborative project
 - Teacher's training programme on analytical instruments.
 - The Department is planning to procure several instruments in the coming years to strengthen both the M. Sc. programme and Ph. D. research program which include NMR, single crystal X-ray diffractometer, High Resolution Mass Spectrometer (HRMS), Field Emission Scanning Electron Microscope (FESEM), Time-Correlated Single Photon Counting (TCSPC) instrument etc.
 - Arranging special lectures with eminent faculty and scientists.
 - Organizing national Seminars/Conferences / Workshops.
 - The faculty had planned to visit the renowned under graduate colleges to attract quality students towards the Department.
- ✓ Research activities
 - Preparation of frame-work and non-framework composite materials and its application as catalyst for various petro & fine chemical processes
 - Functionalized molecular sieve materials preparation & its application for CO₂ capture & utilization
 - Heterogenization of homogeneous catalysis and its applications

- Synthesis of metal nano-particles using natural hydrocolloid templates and selective removal of toxic metal ions
 - Nanosynthesis based on Palladium and Titanium, green synthesis of nanoparticles
 - Exploration on a bio-electro-catalytic system for conversion of CO₂ to formic acid/methanol in CO₂ capture and utilization processes
 - Synthesis of carbon composites for applications such as electrochemical sensors, Direct methanol fuels cells etc.
 - CO₂ absorption by alkanol amines and its sequestration as hydrated CO₂ for energy applications
 - Synthesis of ionic liquid functionalised mesoporous TiO₂ and mesoporous SBA-15 for liquid phase reactions
 - Designing and synthesis of molecular dyes for dye sensitized solar cell applications
 - Studying the electron transfer and energy transfer processes in electron - donor - acceptors systems
 - Fluorescent organic nanoparticles and their application studies
 - Origin of stereoselection in multicomponent co-operatively catalyzed organic reactions
 - Computational design of highly selective catalysts based on bi(poly)cyclic organic molecules
 - Study of water catalyzed reactions in stellar environments
- ✓ Extension activities
- Awareness programmes on environment for high school students
 - Parents and teacher interaction meetings to improve the quality of education
 - Analytical facilities will be made available for external users to generate seed money



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF COMPUTER SCIENCE
(SCHOOL OF PHYSICAL SCIENCES)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Department of Computer Science**

2. Year of establishment: 2011

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Physical Sciences

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M. Sc. Computer Science & Ph.D. Computer Science

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc. :

None

7. Details of programmes discontinued, if any, with reasons:

None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Choice Based Credit System

9. Participation of the department in the courses offered by other departments

The elective courses of the Department of Computer Science are designed as per the CBCS regulations of the University. As per the CBCS regulations, the students of the Department of Computer Science are free to opt electives from other schools or departments. Also, students from other departments and schools can opt for the electives of the Department of Computer Science. Faculties from the Department of Mathematics and Department of Physics were also involved in offering some of the courses for the students.

10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	1	1

Asst. Professors	4	3	3
Others	0	0	0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./M.Phil Guidance
Dr. R. Rajesh	M.Sc(Computer Science), PhD	Associate Professor	Computational intelligence, Nature inspired computing, Image processing	15 years	Ph.D. – 5(Awarded), 6 (On going)&M.Phil – 18
Dr. T. M. Thasleema	M.Sc (Computer Science), Ph.D	Asst. Professor	Automatic speech recognition, Digital signal processing	7 year 9 months	Ph.D. – 2(On going)
V. Kumar	MCA, M.Tech, (Ph.D), UGC NET	Assistant Professor	Data mining, Design and analysis of algorithms and Time series analysis and forecasting	15 years	Nil
Manohar Naik Sugali	MCA, M.Tech, (Ph.D), UGC NET	Assistant Professor	Computer networks, Network security and Pattern matching algorithms	10 years	Nil

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr.T. P. Abbas (On deputation from 2012 – 2015)

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc	20%
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc	5 : 1
Ph.D.	3 : 2

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	1	0	0
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Computational Intelligence, Speech and Language Processing, Image Processing, Information and Communication Technology, Network security, Time series Analysis, Pattern Matching Algorithms and Nature Inspired Computing.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0
	National	1
Total grants received (in `)		6, 00, 000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. T.M. Thasleema	Hybrid acoustic-visual features for Continuous speech recognition feature	UGC-Start-up	6,00,000/- (Ongoing)
Dr. T. P. Abbas	Evaluation of the Computer Education at Upper Primary Classes	Sarva Siksha Abhiyan, Kerala	3,00,000/- (Completed)
Dr. T.P. Abbas	ICT Adoption in the Higher Education Sector of Kerala : A SWOT Analysis	Kerala State Higher Education Council	2,00,000/- (Completed)
Total Grant			11,00,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
National	Nil	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Video Analytics and Development Lab	IISC Bangalore

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	34	
Number of Papers in Conference Proceedings	95	
Monographs	0	
Chapters in Books	8	
Edited Books	3	
Books	ISBN	Publisher
Communication and Power Engineering	ISBN 978-31-1046-96-08	Walter de Gruyter GmbH
Advances in Mathematics, Statistics and Computer Science	ISBN: 978-981-4696-16-6	World Scientific
Computer Science and Engineering: Recent Trends	ISBN: 978-81-8487-391-7	Narosa Publishing House
Number listed in International Database	34	
Citation Index (Range)	1-313	
Source Normalized Impact per Paper (SNIP)	0-2.143	
SCImago Journal Rank (SJR)	0-0.286	
Impact Factor (Range)	0-6	
h-index (Range)	1-6	

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Nil	Nil

25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad.

Nil

26. Faculty serving in

Faculty Serving in	Number
	15
National committees	<p>Dr R Rajesh</p> <ol style="list-style-type: none"> 1. Technical Program Committee member and Reviewer, 4th International Conference on Advances in Computing, Communications & Informatics (ICACCI), SCMS, Aluva, Kochi, India, 10-13 August 2015 2. Technical Program Committee member and Reviewer, 3rd International Conference on Advances in Computing, Communications & Informatics (ICACCI), Delhi, India, 24-27 September 2014. 3. Technical Committee, Annual Int. Conf. on Emerging Research Areas (AICERA), Amal Jyothi College of Engg, 4-6 Jun 2013 4. National Conf. on Pattern Analysis and Applied Intelligence (NCPAAI-2013), Central University of Kerala, 26-27 Mar 2013 5. Advisory Board, First Nat. Conf. on Simulations in Computing Nexus, Coimbatore Institute of Engg. & Tech., 2nd March 2012 6. International Conference on Network and Computer Science (ICNCS), 8-10 Apr. 2011, Kanyakumari, India 7. The 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining

	<p>(PAKDD), Hyderabad, India, 21-24 June, 2010</p> <p>8. Chairperson for a session, National Conference on Computational Science and Engineering (NCCSE 2009), Rajagiri College of Social Sciences, Kochi, 6-7 Feb. 2009</p> <p>9. Chairperson for a session and Review Committee, IEEE International Conference on Emerging Trends in Computing, Kamaraj College of Engineering and Technology, Virudhunagar, India, 8-10 Jan. 2009</p> <p>10. Chairperson for a session, International conference on managing next generation software applications, Karunya University, Coimbatore, 5-6 Dec. 2008</p> <p>11. Chairperson for a session, UGC sponsored National Conference on Network Security (NCNS – 2008), S.T. Hindu College, Nagercoil, 25-26 Sept. 2008.</p> <p>12. Chairperson for a session, National Conference on Soft Computing, Image Processing and Network Management (NCSINM' 08), Karpagam College of Engineering, Coimbatore, 27-28 Mar. 2008</p> <p>13. Chairperson for a session, National Conference on Intelligent Computing Models, (NCICM 2008), Periyar University, Salem, 22-24 Feb. 2008.</p> <p>14. Chairperson for a session, Nat. Conf. on Comp. and Communications (NCCC), Sri Vasavi College, Erode, 22-24 Feb. 2008</p> <p>Dr. T. M. Thasleema</p> <p>15. Technical committee, International conference on signal, power, communication, security and computing applications(ICSPSCA-16), College of engineering, Vadakara, 18 – 20 October 2016</p>
International committees	29
	<p>Dr R Rajesh</p> <p>1. Technical program committee, The 10th</p>

- International Conference on Natural Computation (ICNC14) and the 11th International Conference on Fuzzy Systems and Knowledge Discovery, China, 19-21 August 2014
2. Program Committee, International Conference on Electronic Computer Technology, 28-29 July 2014, Taiwan
3. International Programme Committee, KES AMSTA 2014, Greece, 18-20 June 2014
4. Technical Committee, 3rd International Conf. on Software and Computer Applications, ICSCA, 2-3 June 2014, London, UK
5. Dr R Rajesh, Reviewer, IEEE International Symposium on Business, Engineering & Industrial Application, 22-25 Sept. 2013, Malaysia
6. Chairperson, ICACCT, 19-20 Jan. 2013, Thailand
7. Chairperson, ICIEIS, 14-16 Nov. 2011, Malaysia
8. Program committee member, IEEE Symposium on Computers & Informatics, 18-20 Mar. 2012, Penang, Malaysia
9. Program committee member, IEEE SCORED 2011, 19-20 Dec. 2011, MMU, Malaysia
10. Program committee member, 3rd Asian Conference on Intelligent Information and Database Systems (ACIIDS 2011), 20-22 April, 2011, Deagu, Korea
11. Program committee member, The 5th IEEE Workshop on Engineering Semantic Agent Systems (ESAS 2010), Seoul, Korea, July 19-23, 2010
12. Program committee member, The 2nd Asian Conf. on Intelligent Information and Database Systems (ACIIDS), Hue City, Vietnam, 24-26 March 2010
13. Program committee member, The 2nd International Conference on Interaction Sciences: Information Technology, Culture and Human (ICIS2009), Seoul, Korea, 24-26 Nov. 2009.
14. Program committee member, International Committee on AICIT (Advanced Institute of Convergence

- Information Technology) international conference series, England (Great Britain)
15. Program committee member, 4th IEEE International Workshop on Engineering Semantic Agent Systems (ESAS), Seattle, Washington, 20-24 July, 2009
 16. Program committee member, 5th International Joint Conference on INC, IMS and IDC (NCM 2009), (a) INC2009: International Conference on Networked Computing, (b) IMS2009: International Conference on Advanced Information Management and Service, (c) IDC2009: International Conference on Digital Content, Multimedia Technology and its Applications, Seoul Korea, Aug. 25-27, 2009
 17. Program committee member, 5th International Conference on Data Mining (DMIN' 09), Las Vegas, Nevada, USA, 13-16 July 2009
 18. Program committee member, The 3rd International KES Symposium on Agents and Multi-agent Systems – Technologies and Applications (KES-AMSTA-09), Uppsala, Sweden, 3 - 5 June 2009
 19. Program committee member, 3rd IEEE International Workshop on Engineering Semantic Agent Systems (ESAS), Turku, Finland, Jul 28 - Aug 1, 2008
 20. Program committee member, Int. conf. on convergence and hybrid information tech., Novotel Ambassador Busan, Busan, Korea, 11-13 Nov. 2008
 21. Program committee member, 1st International Symposium on Intelligent Interactive Multimedia Systems and Services, KES IIMSS 2008 University of Piraeus, Greece 9-11 July 2008
 22. Program committee member, The 2nd KES International Symposium on Agent and Multi-Agent Systems : Technologies and Applications (AMSTA-08), Inha University, Korea, 26 - 28 March 2008.
 23. Program committee member, The 2007 International Conf. on Data Mining,

	<p>Part of 2007 World Congress in Computer Sciences, 25-28 Jun. 2007, USA</p> <p>24. Program committee member, Seventh International Conference on Intelligent System Design and Applications (ISDA 2007), Brazil, 22-24 October, 2007</p> <p>25. Program committee member, Sixth International Conference on Intelligent System Design and Applications (ISDA 2006), China, 16-18 October 2006</p> <p>26. Program committee member, International Conf. on Data Mining (DMIN'06), Part of 2006 World Congress in Computer Sciences, 26-29 Jun. 2006, USA</p> <p>27. Program committee member, International Workshop on Engineering Semantic Agent Systems (ESAS 2006) in conjunction with 30th IEEE Annual International Computer Software and Applications Conference (COMPSAC 2006), Chicago, September 18-21, 2006.</p> <p>28. Program committee member, International Conf. on Multidisciplinary Information Sciences and Technologies (InSciT2006), Spain, 25-28 Oct. 2006.</p> <p>Dr T M Thasleema</p> <p>29. Program committee, Second international conference on signal, image processing and multimedia (SIPM 2014), Switzerland, June 14 - 15.</p>
<p>Editorial Boards</p>	<p>5</p> <p>Dr R Rajesh Reviewer: IEEE Transactions on Neural Networks and Learning Systems IEEE Transactions on Cybernetics IEEE Transactions on Evolutionary Computation Information Sciences, Elsevier IET Software Thasleema T M Reviewer: International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R)</p>

	Manohar Naik S Reviewer: International Conference ICCSP-2016 organized by College of Engineering, Karunagappally
Any other (please specify)	6
	Dr R Rajesh 1. Board of Studies for MCA, Kannur University, 2008-2011 2. Board of studies for MCA, Vellalar College for Women, Thindal, Erode, 2007-2009 3. Board of studies, NGM College, Pollachi, 2007-2009 4. Board of studies for M.Sc. Computer Science, University of Calicut 5. Board of Studies in Mathematics (Computer Applications), Sri G.V.G. Visalakshi College for Women (Autonomous), Udamalpet, 2007-2009 Dr T P Abbas 6. Chairman, Board of Studies, University of Calicut, 2013 – 2015.

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr R Rajesh	1. 62 nd orientation course conducted by UGC academic staff College, Bharathiar University during 18 – 04 – 2006 to 05 – 05 – 2006. 2. Refresher course in Recent advances in digital image processing organized by UGC academic staff College, Jawaharlal Nehru Technological University, Hyderabad during 03 – 03 – 2008 to 22 – 03 – 2008. 3. Refresher Course in “Information Technology”, UGC-HRDC, DDU Gorakhpur University, 25-06-2015 to 15-07-2015
Dr T M Thasleema	1. Orientation cum Workshop on Management of Diversity and Equity in Universities and Colleges, National University of Educational Planning and Administration

	(NUEPA), 07 -11 March 2016
Dr S Manjunath	1. Orientation programme, December 2014, Academic staff college, University of Mysore, UGC
Mr V Kumar	<ol style="list-style-type: none"> 1. Three day Workshop on Engineering Research Methodology, organized by Dept. of Civil Engineering, Osmania University during 26-28, August 2013. 2. Faculty development program on Data Mining jointly organized by Andhra Mahila Sabha School of Informatics and Osmania University during 27 Feb. - 02 Mar. 2012. 3. National workshop on web mining organized by Academic Staff College JNTU, GRIET during 12th Feb. 2012. 4. National workshop on Middleware Technologies organized by Dept. of CSE, Osmania University, 19-21 March, 2009. 5. National workshop on Soft-computing organized by Dept. of CSE, Osmania University during 30-31 March, 2009.
Mr Manohar Naik	<ol style="list-style-type: none"> 1. Faculty development program on entrepreneurship development, sponsored by Department of Science & Technology during 29 – 03 – 2010 to 09 – 04 – 2010. 2. Training program on Linux and Online Examination software installation organized by Software Development Centre, Jawaharlal Nehru Technological University during 15 & 16 december 2005. 3. ES/9000 Course at Hinduja TMT Ltd., Bangalore from 05 – 04 – 2004 to 18 – 06 – 2004.

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100
percentage of students doing projects in collaboration with other universities/industry/institute	Nil

29. Awards/recognitions received at the national and international level by

Faculty	11
Awardee	Award
Dr R Rajesh	<ol style="list-style-type: none"> 1. Best paper award in ICACCT, 19-20 Jan. 2013, Thailand 2. Certificate of Research Excellence, The

	<p>International Journal of Arts and Sciences, Germany Nov. 2009</p> <ol style="list-style-type: none"> 3. Certificate for Sciencedirect top 25 list of most downloaded articles, Elsevier, 2007 4. Best paper award in Second World Congress on Lateral Computing, Bangalore, India, Dec. 2005. 5. IEEE Award for outstanding leadership & service to the University of Kerala, Kariavattom student branch, 2004. 6. IEEE Award for the outstanding design project at University of Kerala – Kariavattom student branch, 2004. 7. ISRO RESPOND Senior Research Fellowship, 2001. 8. ISRO RESPOND Junior Research Fellowship, 1999. 9. Junior Research Fellowship award from University Grants Commission, 1998. 10. University Grants Commission examination for Lectureship (NET), 1998. 11. Sri. P. K. Thomas Memorial scholarship for securing highest marks for physics & statistics in B.Sc. (1997).
V Kumar	<ol style="list-style-type: none"> 1. University Grants Commission examination for Lectureship (NET), 2012. 2. Andhra Pradesh State Eligibility Test (APSET) for Lectureship, 2012. 3. Graduate Aptitude Test in Engineering, 2005.
Manohar Naik Sugali	<ol style="list-style-type: none"> 1. Rajiv Gandhi National Fellowship (RGNF) from UGC, 2008 2. University Grants Commission examination for Lectureship (NET), 2013.
Doctoral /Post-Doctoral fellows	2
Awardee	Award
Aadithya	KSCSTE Fellowship
Fasil O K	Inspire Fellowship
Students	2
Awardee	Award
Sugandhi	INSPIRE Fellowship
Neethu	INSPIRE Fellowship

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
-------	------	-------------------	--------------------------

National Conference on Pattern Analysis and Applied Intelligence	26 – 27 March 2013	CU-Kerala	Lokanadha Dodla, Ravi Seshadri, Pradish Haridas, Nishant Balakrishnan (All IBM India), Prof. K. P Soman, Head, Dept of Computer Science, Amritha Vidya Pitam, Coimbatore, Prof. K Rajan, IISc, Bangalore, Prof. Dr. R Vijayakumar, Professor, MG University, Kottayam
Lecture Series on Intelligent Systems	29 – 09 – 2014	CU-Kerala	Dr. D. S. Guru, Dr. K. S. Mallesh, Dr. C. Narasimham, Dr. A. P. Kuttikrishnan, Prof. G. Ram Mohan Reddy
National Workshop on Pattern recognition – a Practitioner Approach	05 – 06 November 2014	CU-Kerala	Prof. (Dr). Nagabhushan P, Department of Computer Science, University of Mysore, Mysore, Karnataka
National Seminar on Frontiers in Machine Learning and Speech Processing	06 – 07 February 2015	CU-Kerala	Prof. (Dr). B. Yegnanarayana, Microsoft Chair, IIIT Hyderabad
National Science Day Celebration - IT for Nation Building	25 th February 2015	KSCSTE	Prof. Thrivikraman and Dr. T. P. Sasikumar
Five - Days Workshop on “Probability and Statistics with R Language	04 - 08 January 2016	CU-Kerala	Dr. A. P. Kuttikrishnan
Recent Trends in Data Mining 2016	29 th -30th Jan. 2016	CU-Kerala	Prof. Dr. Ananthanarayana V S
Intelli-Outreach Program Technofrenzy 2k16	27 – 08 – 2016	CU-Kerala	

31. Code of ethics for research followed by the departments

PhD Regulation of the University and UGC, IEEE/ACM code of ethics

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female

M.Sc.	598	4	12	100	100
Ph.D.	14	1	2	NA	NA

* Average from 2011 admission onwards

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc	NA	89%	10%	1%
Ph. D.	33%	67%	0%	0%

* For the assessment period

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	0
NET	0
SET	0
GATE	1
KSCSTE Ph.D Fellowships	0
Others	3(INSPIRE)

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M.Phil	2.06 %	
PG to Ph.D	2.06 %	
Ph.D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	1
	Other than campus recruitment	5
Entrepreneurs	1	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	50%
universities from other States	50%
universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
--------	-------------------

M.Phil.	Nil
D.Sc.	Nil
D.Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Department has a small research learning resource with few books, student dissertation, PhD thesis from other universities and papers donated by the faculty members permanently for the department.
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access
Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	2
Research Laboratories	1

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of RF/PDF/RA
From the host institution/university	1/0/0
From other institutions/ universities	2/0/0

40. Number of postgraduate students getting financial assistance from the university.

M.Sc.Students : 69/97

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The M Sc Program in Computer Science is started considering its demand and job opportunities in the research field and in the software world, and approved by the Academic Council held on 19 – 04 – 2011 to start M Sc Program.

42. Does the department obtain feedback from

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The Department follows a systematic feedback mechanism recommended by IQAC of the University. The Department collects feedback on individual courses and on the entire programme.

The feedback on courses is collected at the end of every semester

either by the faculty themselves or by the Heads of the Departments, on aspects like the depth of the course content, the extent of coverage of the course, applicability/relevance to real life situations, learning value (in terms of knowledge, concepts, manual skills, analytical abilities and broadening perspectives), clarity and relevance of textual reading material, relevance of additional source material (Library) and the extent of effort required by the students.

Feedback on the entire programme is collected from the outgoing students to assess the effectiveness of the programme as a whole.

Besides, the Department also collects feedback on curriculum, both formal and informal ways, from peers in other educational institutions of repute and from employees and industry people.

The feedback thus collected will be critically analysed in the Faculty Council meetings. The assessment/evaluation of the courses and the programme as rated by the students are analysed and the recommendations and strategies are chalked out for improved performance. The recommendations for the curriculum improvements are placed before the Board of Studies for proper actions and approval.

Besides, the Annual Academic Auditing process carried out by the IQAC in coordination with Board of Studies also collects inputs from various stakeholders for assessing the effectiveness of the curriculum. These inputs are also considered for curriculum updation process.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback on faculty is also collected at the end of every semester by the Head of the Departments, on various aspects like knowledge base of the teacher (as perceived by the student), communication skills (in terms of articulation and comprehensibility), sincerity/commitment of the teacher, interest generated by the teacher, ability to integrate course material with environment/other issues, to provide a broader perspective, ability to integrate content with other courses, accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside the class) and ability to design quizzes/Tests/assignments/ examinations and projects to assess students' understanding of the course.

The feedback thus collected will be critically analysed in the FC meetings. The assessment/evaluation of the faculty as rated by the

students is worked out and is communicated to the faculty members concerned and are advised to improvise upon those areas in which they do not obtain a good rating. Also the evaluation feedback results reflect while assessing the Annual Appraisal form of the faculty.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The Department collects feedback from Alumni, both formal and informal ways, during their Annual Meetings and during their informal visits on aspects like the employability of the programme, skill set requirements of the current industry, etc., and these feedback are analysed in the Faculty Council and recommendations are placed before the Board of Studies. The feedbacks are collected from industry people, either formal or informal ways, when they visit the Department for invited talks and other presentation.

43. List the distinguished alumni of the department (maximum 10)

The Department currently do not have any such distinguished alumni as the department has only 5 passed out batches.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- National Workshop on Pattern recognition – a Practitioner Approach, November 2014 (2 days; 4 lectures and lab sessions)
- National Seminar on Frontiers in Machine Learning and Speech Processing, February 2015 (2 days; 6 lectures)
- Lectures series on Intelligent system with 6 lectures in the series. (1) Intelligent Computing – Current Technological Inventions, by Prof. Dr. D. S. Guru, (2) Calculus of Variations by Prof. Dr. K. S. Mallesh, (3) Intelligent Security Systems by Prof. Dr. C. Narasimham, (4) Theory of Probability and Distribution by Prof. Dr. A. P. Kuttikrishnan (5) Multimodal Computing – Future of Human Computer Interaction by N. S. Sreekanth and (6) Social Network by Multimedia Analysis : Issues and Challenges by Prof. G. Ram mohan Reddy
- Celebration of National Science Day
- Five - Days Workshop on “Probability and Statistics with R Language by January 2016 (5 days; 9 lectures)
- National level Workshop on Recent Trends in Data Mining January 2016 (2 days; 6 lectures)
- Intelli-Outreach program TECHNOFRENZY 2K16 jointly organized by Department of Computer Science & ASCI on 27 August 2016.

45. List the teaching methods adopted by the faculty for different programmes.

M.Sc:

The department follows a blended teaching method involving both the face-to-face classroom activities and online activities. The face-to-face classroom activities consists of lecture, presentation, debates, discussions, quiz, problem solving, open course ware delivery, e-content delivery, assessment activities like test, assignments and term papers. This face-to-face classroom activities are supplemented with online activities like online assignments, quiz, discussions, and the like. The Course Web Page provides access to various learning contents like open course wares, e-contents, presentation handouts, lecture notes and other study materials and links to additional readings.

The teaching and learning activities of the Department executed as per a systematic academic plan which is designed at the start of an academic year. In strict adherence to the Academic Calendar of the University, the Faculty Council of the Department of Computer Sciences frames a detailed teaching plan and evaluation blueprint for the Department for the year. The Teaching Plan and Evaluation Blueprint of the Department consist of a tentative schedule for curricular, co-curricular and extra-curricular activities of the year. The Academic Calendar of the Department is published on the notice board and the Departmental home page of the University Website for information to all concerned.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The learning outcomes expected of the M. Sc programme is clearly stated in the aims and objective section of the programme curriculum. Besides the programme outcome, the curriculum clearly states the learning outcome, which in conformance with the learning outcome of the programme, expected of each individual course in the aims and objective section of the course description, which are made available to students in the Departmental page on the University website.

The Department sees to it that the programme and course objectives are met through a rigorous academic schedule involving a host of curricular activities (lecture, discussions, presentations, etc.) and co-curricular activities (conferences, seminars, symposia, workshops, invited talks, etc).

Modes of assessment involving continuous and end semester assessments are meticulously designed to appropriately test the learning

outcome expected of the course and programme.

The Department revises its programme curriculum regularly to keep pace with the recent development and advances in the field and to reflect the changing needs and demands of the society and IT industry.

To equip the faculty to cope with the ever-evolving curriculum, ample support, guidance, opportunities and encouragement are being provided by the University for the faculty to update their skill set and knowledge base.

The Department also collects and analyses data on student learning outcomes in the following different ways:

- Tabulating the results of the continuous and end semester assessments. This information helps the Department to identify the fast and slow learners. This information is used to encourage, motivate and support fast learners. In the case of slow learners, this information is used to provide additional support in the form of remedial support for improving their performance.
- The feedbacks the departments collect every semester on courses, student and teacher performances are also used as opportunities for further improvements.
- Departments also constantly monitor and critically analyse the performance of the students in other international/national level career related competitive examinations like UGC-NET, SLET, Central/State services, etc., for exploring the possibilities of giving additional students' support and training

47. Highlight the participation of students and faculty in extension activities.

The ASCI (Association of Students in Computational Intelligence), the technical forum of the students of the Department of Computer Science, Central University of Kerala, every year organize a few co-curricular and extension activities like discussion forums, expert talks, quiz, day observances, etc., with the objective of giving them a platform for sharing their views and ideas and enhance to skill set and organizational abilities.

The faculty of the Department also take part in extension activities. Every academic year, the faculty organize a few national events like conference, seminar, workshop, etc., with the objective of providing maximum exposure to students and faculty on the recent developments in the field of Computer Science

Talks/Invited Lectures

The faculty of the Department of Computer Science were special invitees to several national level seminars, conferences and workshops organized by other institutions across the country. This includes:

- T. M. Thasleema delivered a lecture on the topic “Artificial Intelligence and its applications”, at Govt. Poly Technique, Periyar, Kasaragod on 01 September 2016.
- Rajesh R., Computational Intelligence, UGC-HRDC, Calicut University, 11th August 2016
- T. M. Thasleema delivered a lecture on the topic “Introduction to Pattern Classification”, at Govt. Poly Technique, Periyar, Kasaragod on 27 July 2016.
- T. M. Thasleema engaged an invited session on “Blind Source Separation of Audio Signals” at the Department of Information Science and Engineering, SJCE, Mysore on 28 April 2016.
- Rajesh R has delivered a lecture on “Genetic Algorithms” at Faculty development programme on signal processing – theory, tools and applications, College of Engineering, Vatakara, 19th April 2016
- Rajesh R engaged an invited session on “Image Segmentation”, Faculty training programme on computer vision, College of Engineering, Karunagapally, 18th March 2016.
- Kumar V delivered a lecture on Association Rule Mining in Data Mining, Sa-Adiya Arts & Science College, Kasaragod, 17th March 2016.
- Rajesh R engaged an invited session on Genetic Algorithm and its applications, National Conference on Recent Trends in Computational Intelligence & Image Processing, 22-23 Feb. 2016, University of Calicut
- T. M. Thasleema delivered a lecture on Artificial Intelligence – An introduction to Pattern Recognition at Department of Mathematics, St. Joseph’s College, Kannur on 23rd February 2016.
- Manjunath S., Pattern Recognition & its applications, National Conference on Recent Trends in Computational Intelligence & Image Processing, 22-23 Feb. 2016, University of Calicut
- T. M. Thasleema delivered a lecture on the topic “Introduction to Pattern Classification”, at Govt. College Kasaragod, on 04 December 2015.
- S. Manjunath delivered a Lecture on “Preliminaries of Pattern Classifiers” at Three Days National Level Workshop on Pattern Classifiers conducted at Kuvempu University, Shimogga on 26-28 March 2015.
- T P Abbas engaged an invited session on “Intelligent Systems: Prospects Challenges”, at the Kerala State Higher Education Council Sponsored National Conference on Advances in

- Computing, Communication & Applications, 11-12 Feb 2015, SS College, Areacode
- T. M. Thasleema delivered a lecture on the topic “Introduction to Pattern recognition”, refresher programs at Academic Staff College, Kannur University on 05 December 2014.
 - Rajesh R has delivered a lecture on “Computers in real life”, B.S. College, Danapur, Patna, 20th Dec. 2014
 - Rajesh R has delivered a lecture on “Motivation towards doing research projects”, Bihar council on science and technology, 29th Nov. 2014
 - S. Manjunath delivered a Lecture on “Video Processing and its Applications” at TEQIP- II Sponsored FDP On Digital Signal Processing Tools For Engineering Applications" From 10-14 November 2014, Organized By Department Of ECE, College of Engineering, Trikaripur, Cheemeni P. O., Kasaragod 671313.
 - T. P Abbas engaged an invited session on ‘Intelligent Computing Paradigms’ in the International Symposium on Research innovations for Quality Improvements in Higher Education, 10-11, October 2014, Bharatiar University, Coimbatore
 - S. Manjunath delivered a invited talk on “Clustering and Distance Measures” at Three days National Level workshop on Mathematics Behind Machine Learning conducted at Sri Jayachamarajendra College of Engineering, Mysore on 21 – 23 August 2014.
 - S. Manjunath delivered two Lectures on “Image Enhancement in Digital Images” at Two Day Workshop on Image Enhancement in Digital Image Processing conducted at Siddaganga Institute of Technology, Tumkur on 25 and 26 April 2014.
 - T. M. Thasleema delivered a lecture on the topic “Office Software”, orientation programs at Academic Staff College, Kannur University 2014.
 - Rajesh R has delivered a lecture on “Technical paper writing and current research issues in computer science”, Computer Society of India Student Branch, Sree Buddha College of Engineering, Alappuza, 19th March 2014.
 - V. Kumar delivered two invited lectures on Data Warehousing and Data Mining at RVR Institute of Engineering & Technology, Sherigudu, AP, on 28 Feb 2014.
 - T. P Abbas engaged an invited session on “Research Prospect in Intelligent System” at the UGC Sponsored National Conference on Advances in Computing, Communication & Applications, 20-21 Nov 2013, SS College, Areacode
 - Rajesh R has delivered a lecture on “Design of fuzzy logic system and genetic algorithms”, Short Term Faculty Development Programme on Soft Computing, College of Engineering, Karunagappally, 28th Sept. 2013

- Rajesh R has delivered a lecture at National Conference on Advanced Computing & Communication (NCAACC), Sree Buddha College of Engineering, 22-23 March 2013.
- T. P Abbas delivered keynote address at the National Conference on Advanced Computing, 7th March 2013, Jamal Mohammed College, Trichy
- Rajesh R has delivered a lecture on “Introduction to cloud computing – is it the need of the hour”, One day National Conference on Cloud Computing, Adhiparasakthi College of Arts and Science, Kalavai, 23 February 2013
- Rajesh R has delivered a lecture on “Design of fuzzy logic systems”, National conference on fuzzy sets and its applications, PKR Arts College for Women, 9th Feb. 2013
- Rajesh R has delivered a lecture on “Fuzzy logic concepts in image processing”, CSIR sponsored national seminar on applications of fuzzy logic in image processing, Kongu Engineering, College, Erode, 31 Aug. 2012
- Rajesh R has delivered a lecture on “Challenges in Object Classification”, National Conference on Recent Advances in signal and image processing (NCRASIP), 24-26 May 2012.
- T. P Abbas delivered a lecture on “e-Tools for Self-Learning” in the Conference on e-Tools, SNDP Yogam College, Koyilandy
- Manjunath delivered a invited talk on “Clustering and Distance Measures” at Three days National Level workshop on Mathematics Behind Machine Learning conducted at Sri Jayachamarajendra College of Engineering, Mysore on 21 – 23 August 2014.
- Manjunath delivered a Special Lecture on “Data Clustering” at Five day workshop on Data Mining Techniques and Big Data conducted at Nitte Meenakshi Institute of Technology, Bangalore on 24 April 2014.
- Manjunath conducted two session on “Pattern Recognition Using Matlab” at faculty development programme on “Soft and Evolutionary Computing Techniques and its Applications” conducted by Electronics and Communication Engineering, Basaveshwar Engineering College-Bagalkot, Karnataka, May 30 – 1 June, 2013
- Manjunath delivered two Lectures on “Data Clustering and its Advances” at Two Day Workshop on Recent Advances on Machine Learning conducted at Sri Jayachamarajendra College of Engineering, Mysore on 15 and 16 May 2013.
- Manjunath delivered two Lectures on “Dimensionality Reduction Techniques” at Two Day Workshop on Recent Advances on Machine Learning conducted at Sri Jayachamarajendra College of Engineering, Mysore on 15 and 16 May 2013.
- Manjunath delivered a Special Lecture on “Color Image Processing” for M. Tech (CSE) students of Maharaja Institute

of Technology, Mysore on 23 January 2013.

- Manjunath delivered a special Lecture on “Dynamic Programming” for M. Sc Computer Science students of Government College Mandya, April 2013.
- Manjunath delivered a special Lecture on “Pattern Recognition: An Overview” in State Level Workshop on Digital Image Processing and Pattern Recognition conducted by Government College Mandya, March 2013.
- Manjunath delivered a Special Lecture on “Computer Vision and its Applications” at State Level Workshop on Recent Trends in Computer Technology Conducted at JSS College for Womens, Mysore, 2012.
- Manjunath delivered one day Workshop on “Digital Image Processing using Matlab” at Department of MCA, Jain University, Kanakapura.
- S. Manjunath delivered a lecture on “Video Archival and Retrieval” at Research Conclave on Machine Learning and Computational Intelligence, Adithya Institute of Technology, Coimbatore, Sept 7-8, 2012.
- Rajesh R has delivered a lecture on “Information retrieval from images for object classification/detection”, 15 day staff development programme on research challenges and emerging trends in intelligent information retrieval, PSG College of Technology, 23 and 27 April 2012
- Rajesh R has delivered a lecture on “Image Classification”, Two days hands on workshop on optimization techniques for image processing, Bharathiar University, 9th Mar. 2012
- Rajesh R has delivered a lecture on “Soft computing”, National conference on computational science and research, P.K.R. Arts College for Women, 28th Jan. 2012
- Rajesh R has delivered a lecture on Genetic Algorithms”, Refresher course in Computer Science, UGC Academic Staff College, Chennai, 25th Nov. 2011
- S. Manjunath delivered a lecture on the topic “Digital Image Processing and Pattern Recognition using Matlab”, in three days national level seminar on “Digital Image Processing and Pattern Recognition”, Government College, Mandya, Karnataka, India, 3rd-5th November 2011.
- Rajesh R has delivered a lecture on “Soft Computing”, Refresher course in Fundamentals of Advanced Computing Technologies, Madurai Kamaraj University, 9th Sept. 2011
- Rajesh R has delivered a lecture on “Computers in Real Life”, Seminar at P.K.R. Arts College for Women, Gobichettipalayam, 20th Aug. 2011

- Rajesh R has delivered a lecture on “Image Feature Extraction”, Five day Matlab and Image Processing Workshop, University of Kerala, 29th Jul. 2011
- Rajesh R has delivered a lecture on “Introduction to Genetic Algorithm”, Refresher course in Computer Science, UGC Academic Staff College, Bharathiar University, 14th May 2011
- Rajesh R has delivered a lecture on “Fuzzy Logic”, National Seminar on Classical Mathematics with Applications to Computer Science and Related Areas, St. Mary’s College, Thrissur, 10-12 Mar. 2011
- Rajesh R has delivered a lecture on “Challenges in Medical Image Processing,” Medcon – A National Level Symposium on *Recent Trends in Medical Imaging and Biosignal Processing*, Sahrdaya College of Engineering and Technology, Thrissur, 13th Nov. 2010
- Rajesh R has delivered a lecture on “Soft Computing”, Refresher Course in Computer Science, UGC Academic Staff College, University of Madras, 3rd Jul. 2010
- Rajesh R has delivered a lecture on “An introduction to soft computing”, ISTE short term training programme on Soft Computing, College of Engineering, Poonjar, 21st Apr. 2010
- Rajesh R has delivered a lecture on “Matlab”, Two day workshop on Matlab, Dept. of Mathematics, Bharathiar University, 25th March 2010.
- Rajesh R has delivered a lecture on “Genetic Algorithms”, National Seminar on Applied Soft Computing, MVM Govt. Arts College for Women, Dindigul, 25th Feb. 2010
- Rajesh R has delivered a lecture on “Softcomputing”, Second National Conference on Emerging Issues in Computer Applications (EICA-10), K.S.R. College of Engineering, Tiruchengode, 20th Feb. 2010
- Rajesh R has delivered a lecture on “Computers in Real life”, National Conference on Emerging Technologies and Applications, Navarasam Arts and Science College for Women, Arachalur, 30th Jan 2010
- Rajesh R has delivered a lecture on “Soft Computing”, Refresher course in Emerging trends in high performance computing, Academic staff college, Madurai Kamaraj University, 18-19 Dec. 2009
- Rajesh R has delivered a lecture on “Research Motivation”, Refresher course in Computer Science, UGC Academic staff college, Bharathiar University, 17th Dec. 2009
- Rajesh R has delivered a lecture on “Computers in Real Life”, National conference on computer and communication, Sri Vasavi College, Erode, 19th Sept. 2009

- Rajesh R has delivered a lecture on “Computers in Real Life”, Invited talk, Kongu Engineering College, Perundurai, 5th Sept. 2009
- Rajesh R has delivered a lecture on “Advancement in Genetic Algorithm”, Invited talk under visiting faculty programme, College of Engineering, Thiruvananthapuram, 21st Aug. 2009
- Rajesh R has delivered a lecture on “Image Mining”, National conference on Pattern Recognition Analysis and Applications, Marian College Kuttikkanam, 20th Mar. 2009
- Rajesh R has delivered a lecture on “Genetic Algorithm”, National Conference on Computational Science and Engineering (NCCSE2009), Rajagiri College of Social Sciences, Cochin, India, 7th Feb. 2009
- Rajesh R has delivered a lecture on “Image Mining”, National Seminar on Data Mining for Biomedical Databases, Kongu Engineering College, Erode, India, 29th Jan. 2009
- Rajesh R has delivered a lecture on “Internet and its Optimal usage – A holistic approach”, Workshop for CTI staff members, UGC Academic Staff College, Bharathiar University, 8th Jan. 2009
- Rajesh R has delivered a lecture on “Genetic Algorithm”, International Seminar on Computational Intelligence, Bharathiar University, 30th December 2008
- Rajesh R has delivered a lecture on “Genetic algorithm as a tool for data mining”, National conference on software engineering and applications, Sacred Heart College, Tirupattur, 4-6 Dec. 2008
- Rajesh R has delivered a lecture on “Latex”, One day seminar on Latex, Tiruppur Kumaran college for Women, 15th Sept. 2008
- Rajesh R has delivered a lecture on “Computers in Real Life”, Infotrix, SNMV College of Arts and Science, 8th Aug. 2008
- Rajesh R has delivered a lecture on “Advances and Research in Fuzzy and Genetic Algorithm”, 5 day short term course on Familiarization of Artificial Neural Network and Fuzzy System, College of Engineering, Thiruvananthapuram, 25-26 July 2008
- Rajesh R has delivered a lecture on “Computers in real life”, Bharathiar University College, Valparai, 9th April 2008.
- Rajesh R has delivered a lecture on “Computers in real life”, Workshop on recent trends in computer application, Govt. Arts College, Coimbatore, 25-26 Feb. 2008.
- Rajesh R has delivered a lecture on “Future of Computers”, it@mgc2008, 2-day regional seminar on Information

Technology, Dept. of Computer Science, Mahatma Gandhi College, Iritty, 31st Jan – 1st Feb 2008.

- Rajesh R has delivered a lecture on “Genetic Algorithm – Basic Concepts and Applications”, Short Term course on Soft Computing Techniques, College of Engineering, Thiruvananthapuram, 9th Jan. 2008
- Rajesh R has delivered a lecture on “Computer Application”, Refresher Course in Commerce, UGC Academic Staff College, Bharathiar University, 21st Nov. 2007
- Rajesh R has delivered a lecture on “Genetic Algorithm and its applications”, IITMK, Thiruvananthapuram, 19th Nov. 2007
- Rajesh R has delivered a lecture on “Genetic Algorithm for data mining”, International conference on Data warehousing, data mining & networking (ICDDN’07), Jayaram College of Engineering, Tiruchirapally, 4-6 Oct. 2007.
- Rajesh R has delivered a lecture on “Latex”, One day workshop on Latex, Tiruppur Kumaran College for Women, 14th Sept. 2007
- Rajesh R has delivered a lecture on “Fuzzy Logic and its applications in research areas of IT”, National workshop on research in frontier areas of Information Science & Technology, School of Information Science & Technology, Kannur University, 05-09 Sept. 2007.
- Rajesh R has delivered a lecture on “Genetic Algorithm and its use in research areas of IT”, National workshop on research in frontier areas of Information Science & Technology, School of Information Science & Technology, Kannur University, 05-09 Sept. 2007.
- Rajesh R has delivered a lecture on “Future of Computers”, One day Workshop on Emerging Intelligent Information Technology (EIIT `07), Karpagam College of Engineering, Coimbatore, 10th August 2007.
- Rajesh R has delivered a lecture on “Future of Computers”, Guest Lecture, Sri Vasavi College, Erode, 29th July 2007
- Rajesh R has delivered a lecture on “Computers in Real Life”, Seminar on Right PG Bright Career, Sree Saraswathi Thyagaraja College, 31st Mar. 2007
- Rajesh R has delivered a lecture on “Genetic Algorithm”, ISTE AICTE sponsored short term training programme on Soft Computing Techniques Employed in Image Processing and Cryptography, Sastra University, Thanjavur, 26-30 March 2007.
- Rajesh R has delivered a lecture on “Genetic Algorithm for Data mining and motivation towards research”, UGC sponsored National Seminar on Data Mining Techniques and

Applications, Marian College Kuttikkanam, Kerala, 16-17 March 2007.

- Rajesh R has delivered a lecture on “Future of Computers”, Guest Lecture Programme for MCA students, Dept. of Computer Applications, P.K.R. Arts College for Women, Gobichettipalayam, 26 February 2007.
- Rajesh R has delivered a lecture on “Future of Softwares”, Special address, State level seminar on Latest Trends in Software Technology (INFOCUS’ 07), V.L.B. Janakiammal College of Arts and Science, Coimbatore, 17th February 2007
- Rajesh R has delivered a lecture on “Edu-Sat Theory and Practice”, Refresher Course in Social Science, Bharathiar University, 14th Feb. 2007
- Rajesh R has delivered a lecture on “Latex Concepts”, Refresher Course in Mathematics, UGC-ASC, 13th Feb. 2007
- Rajesh R has delivered a lecture on “Computers in Real Life”, Comfete’06-07, State Level Technical Seminar and Symposium in Information Technology, Sri Sankara Arts & Science College, Kanchipuram, 24-25 January 2007
- Rajesh R has delivered a lecture on “Data Compression”, Refresher Course in Computer Science, UGC – Academic Staff College, Bharathiar University, 11th Dec. 2006
- Rajesh R has delivered a lecture on “Genetic algorithm for bioinformatics”, Refresher course in biological sciences, UGC-ASC, BU, 14th Nov. 2006
- Rajesh R has delivered a lecture on “Mathematical modelling and control”, ADINFINITUM, Tiruppur Kumaran College for Women, 24th Aug. 2006
- Rajesh R has delivered a lecture on “Edusat Training”, 64th Orientation Course, UGC ASC, Bharathiar University, Coimbatore, 29th May, 2006
- Rajesh R has delivered a lecture on “Satellite Interactive Terminal – A Demo”, Refresher course in Instructional Technology, UGC Academic Staff College, Bharathiar University, Coimbatore, 22nd March, 2006
- Rajesh R has delivered a lecture on “Genetic Algorithms”, Refresher course in Bioinformatics, UGC ASC, Bharathiar University, Coimbatore, 3rd Feb., 2006
- Rajesh R has delivered a lecture on “Introduction to C”, Workshop on Programming Languages and Numerical Methods, Govt. College, Chittur, 14-15 March, 2005

48. Give details of “beyond syllabus scholarly activities” of the department.

- The Department extends its expertise to the nearby schools for academic activities.
- As an outreach programme, the department of Computer Science, with active support from its student’s forum ASCI (Association of Students in Computational Intelligence), conducts programs for school students and also visit nearby schools for academic supports.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The research publications of the faculty and students in international/national peer reviewed journals and conference proceeding add to the new knowledge generated by the Department in the field.
- The books and book chapters authored by the faculty also contribute to the knowledge generation in the field.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength	<ol style="list-style-type: none"> 1. Dedicated, enthusiastic, dynamic, and young faculty. 2. Students with relatively good potentials as the admission are done through the nation-wide competitive entrance test conducted by the University. 3. All necessary infrastructural facilities, including well equipped laboratories and ICT enabled classrooms, Wi-Fi Internet connectivity and access to library Digital Resource Centre. 4. The Department has mechanism for mentoring of the students. The Students’ Advisor and each individual faculty pays special attention to identify the weak and advanced learners in the very beginning for taking appropriate measures for ensuring their success.
----------	---

	<p>5. The Department of Computer Science has a unique syllabus with specialization in Intelligent System. Feedback obtained from international experts proves the peculiarity of the program.</p>
<p>Weakness</p>	<ol style="list-style-type: none"> 1. The department yet to exploit the full potentials of collaborative works with other departments like Linguistics, Bio-Chemistry and Molecular Biology, Environmental Science, Genomics, etc. 2. Shortage of full-fledged faculty 3. Being a young Department, the Department is yet to exploit the full potentials of collaboration with IT Industry and other firms for improving the employment prosperity of the students 4. Being a department in making, the Department does not have facilities like seminar hall, retiring rooms, separate staff rooms/cabins, departmental library, administrative and technical staff, etc 5. Being the Department of a young university, the Department has yet to establish its brand name in the industry and academia.
<p>Opportunities</p>	<ol style="list-style-type: none"> 1. Since the thrust area of study and research of the Department is Intelligent Systems, it provides a bigger scope for collaboration with other departments like Linguistics, Mathematics, Bio-Chemistry and Molecular Biology, Environmental Science, Genomics, etc. 2. IT being the one of prosperous industries in the country, the Department stands a better chance to exploit this opportunity for the benefit of the students and the Nation. 3. Research & Development in the field of Intelligent system is fast developing and is going to open up career opportunities in large numbers. 4. Being the propagators of ICT, the Department can play a leading role in the propagation ICT in teaching, learning, assessment and other administrative and support activities

	<p>5. Being the only central University in the state, the Department stand an opportunity to grow to a level that can be role model to every other Computer Science Departments of the Colleges and Universities within the state.</p>
Challenges	<p>1. Students should be trained and motivated to achieve the skill set demanded of them by the industry, software firms and R&D institutions within the country and abroad to take up jobs assignments at various levels</p> <p>2. The faculty and students must equip themselves to undertake collaborative researches in the areas like Linguistics, Applied Physics, Applied Chemistry, and the applied areas of biological, environmental and earth sciences</p> <p>3. The Department must take a leading role in training the school and college teachers in using ICT devices, tools and services for teaching, learning, assessment and educational administration</p> <p>4. The Department must spread its scope of functioning to take up leading role in the ICT implementation within the campus.</p> <p>5. The Departments must increase its scholarship to become the role model for other Computer Science Departments within the state</p>

52. Future plans of the department.

- The department will explore the possibilities of entering into collaboration with software and research and development firms for both training and employment opportunities.
- Once the full-fledged faculty joins the Department, the department considers offering enrichment programs and value added courses for other schools and departments.
- Proposes to undertake some externally funded collaborative research projects
- Conduct a series of ICT Capacity Building Training Programmes for school and college teachers and for the teachers within the CU Kerala Campus.
- Arrange more effective and continuous training for students to clear the national level competitive examination in collaboration with IQAC of the University.

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF MATHEMATICS
(SCHOOL OF PHYSICAL SCIENCES)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **DEPARTMENT OF MATHEMATICS**
2. Year of Establishment: 2011
3. Is the Department part of a School/Faculty of the University?
Yes. The Department is a part of the School of Physical Sciences
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
M. Sc. Mathematics & Ph.D. Mathematics
5. Interdisciplinary programmes and departments involved
None
6. Courses in collaboration with other universities, industries, foreign institutions, etc.:
None
7. Details of programmes discontinued, if any, with reasons:
None
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Choice Based Credit System - Semester
9. Participation of the department in the courses offered by other departments.
CSC513 - Mathematical Foundations of Intelligent system in 2011.
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	2	2
Asst. Professors	4	4	4
Others	-	-	1*
*Visiting Faculty – 1			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./ M.Phil. Guidance
Dr. Vilfred V	M.Sc., M.Phil., Ph.D.	Associate Professor	Discrete Mathematics	34	Ph.D. : 5 (Completed) 2 (Ongoing) M.Phil.:8
Dr. K. A. Germina	M.Sc., M.Phil., Ph.D.	Associate Professor	Graph Theory	20	Ph.D.: 14 (Completed) 2 Submitted 2 ongoing
Dr. Shaini P	M.Sc., D.Phil.	Assistant Professor	Fixed Point Theory	8	Ph.D. : 2 (Completed) 4 (Ongoing)
Dr. Ali Akbar K	M.Sc., Ph.D.	Assistant Professor	Topological Dynamics	6	-
Dr. Gnanavel Soundararajan	M.Sc., M.Phil., Ph.D.	Assistant Professor	Partial Differential Equations, Inverse Problems	5.5	-
Dr. Manikandan Rangaswamy	M.Sc., M.Phil., Ph.D.	Assistant Professor	Stochastic Modeling and Analysis of Queuing / Reliability/ Inventory Systems	2.4	Ph.D. : 1(Ongoing)
Dr. Arjun Kumar Rathie	M.Sc., Ph.D.	Visiting Faculty	Special Functions, Generalized Hypergeometric Series and Ramanujan's work	35	Ph.D.: 14 (Completed) 2 (Ongoing)
Dr. R. Roopkumar	M.Sc., M.Phil., Ph.D.	Associate Professor	Integral Transforms and Generalized Functions	12	Ph.D.: 3 (Completed) M.Phil.: 38 (relived on 23.08.2016)

*Including research experience from previous institute

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

None

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
M.Sc.	17%
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M.Sc.	7.2 : 1
Ph.D.	2 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	1	0	1*
Administrative staff	1	0	0

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Graph Theory, Fixed Point Theory, Topological Dynamics, Differential Equations.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	0
	National	4
Total grants received (in Rupee)		41,22,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. K. A. Germina Dr. P. Shaini	Set-Valuations of graphs: Distance Compatible Set-Labeled Graphs and their Applications	DST	23,22,000/-
Dr. P. Shaini	Fixed Point Theorems for various classes of 1-set contractions and	UGC-Start-up	6,00,000/-

	Hemi contractive maps		
Dr. Ali Akbar K	A Study on Topological dynamical systems with emphasis on linear and symbolic dynamics	UGC-Start-up	6,00,000/-
Dr. S. Gnanavel	Optimal Control Approach to Inverse Problems for System of Partial Differential Equations	UGC-Start-up	6,00,000/-
Total Grant			41,22,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	Nil
	Total Grant Received	Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

None

20. Research facility/centre with

Recognition Type	No.	Name of the Facility
State recognition	Nil	Nil
National recognition	Nil	Nil
International recognition	Nil	Nil

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Nil	Nil

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	304	
Monographs	1	
Monographs	ISBN	Publisher
Shaini P: Fixed Point Theory: Fixed Point theorems and Iterative Techniques	ISBN 978-3-8433-8930-3	Lambert Academic Publishing GmPH & Co. KG Germany

Books			1
Books	ISBN	Publisher	
R. Rookumar: Complex Analysis	ISBN 9789332537613	Pearson Education	
Chapters in Books:			0
Edited Books:			1
Edited Books	ISSN	Publisher	
Dr. K. A. Germina, Special Issue of the Journal of Combinatorics, Information and System Sciences, Vol. 34 (2-4) 2012	ISSN0250-9628	MD Publishers	
Total Number of Books			3
Number listed in International Database			304
Citation Index (Range)			15-782
Source Normalized Impact per Paper (SNIP)			-
SCImago Journal Rank (SJR)			-
Impact Factor (Range)			0-2
h-index (Range)			2-12

23. Details of patents and income generated

Patent Details	Income Generated
Nil	Nil

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Through registration in a workshop	Nil

25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. K. A. Germina	South Africa	University of Botswana, Gaborone 2015-2016
Dr. K. A. Germina	Canada	Concordia University, 2011
Dr. Ali Akbar K	India	Institute of Mathematical Sciences, 2016
Dr. Manikandan Rangaswamy	India	Indian Institute of Science, 2016
Dr. Manikandan Rangaswamy	India	Cochin University of Science and Technology, 2016
Dr. Arjun K. Rathie	South Korea	Dongguk University and Wonkwang University, 2012, 2014, 2015 and 2016.
Dr. Arjun K. Rathie	Oman	Sulthan Qaboos University, 2012.
Dr. Arjun K. Rathie	Japan	Yamaguchi University, 2011.

26. Faculty serving in

Faculty Serving in	Number
	15
National Committees	<ol style="list-style-type: none"> 1. Dr. V. Vilfred, Member, Ramanujan Mathematical Society. 2. Dr. V. Vilfred, Member, Academy of Discrete Mathematics & its Applications. 3. Dr. V. Vilfred, Member, Kerala Mathematical Association. 4. Dr. V. Vilfred, Member, Indian Mathematical Society. 5. Dr. K. A. Germina, Member, Kerala Mathematics Association. 6. Dr. K. A. Germina, Member, INDOCRYPT. 7. Dr. K. A. Germina, Indian National Academy of Sciences. 8. Dr. K. A. Germina, Indian Mathematics Association. 9. Dr K. A. Germina, Member, Ramanujan Mathematical Society. 10. Dr. Ali Akbar, Member of Indian Mathematical Society. 11. Dr. Gnanavel Soundararajan, Member, Indian Society for Technical Education. 12. Dr.R.Roopkumar, Joint Secretary and Member, Kerala Mathematical Association. 13. Dr.R.Roopkumar, Member, Indian Mathematical Society. 14. Dr.R.Roopkumar, Member, Indian science Congress Association.
International Committees	8
	<ol style="list-style-type: none"> 1. Dr. V. Vilfred, Member, American Mathematical Society. 2. Dr. V. Vilfred, Member, Society for Industrial and Applied Mathematics. 3. Dr. K. A. Germina, Member, Forum for Interdisciplinary Mathematical Sciences, Canada. 4. Dr. Manikandan Rangaswamy, Member, EURO Working Group- STOCHMOD. 5. Dr. Manikandan Rangaswamy, Member, Gnedenko e-Forum (International group on Reliability). 6. Dr. Arjun K. Rathie, Member, American Mathematical Society.

	<ol style="list-style-type: none"> 7. Dr. Arjun K. Rathie, Member, Research Board of Advisors, American Biographical Institute. 8. Dr. Arjun K. Rathie, Member of Scientific Committee for 7th International Conference on Research and Education in Mathematics.
	11
Editorial Boards	<ol style="list-style-type: none"> 1. Dr. V. Vilfred, Co-Editor, International Conference on Applied Mathematics and Theoretical Computer Science. 2. Dr. K. A. Germina, Academy of Discrete Mathematics and Applications. 3. Dr. K. A. Germina, International Journal of Algorithm, Computing and Mathematics 4. Dr. K. A. Germina, Indian Journal of Mathematical and Computer Sciences. 5. Dr. R. Roopkumar, Member, Asian Journal of Mathematics and Statistics. 6. Dr. R. Roopkumar, Member, Journal of Mathematics Research (Canada). 7. Dr. R. Roopkumar, Member, Journal of Statistics and Mathematics (India). 8. Dr. R. Roopkumar, Member, Asian Journal of Algebra (USA). 9. Dr. Arjun K. Rathie, Member, Indian Academy of Mathematics, India. 10. Dr. Arjun K. Rathie, Member, Bulletin of Kerala Mathematical Association. 11. Dr. Arjun K. Rathie, Member, South East Asian Journal of Mathematics and Mathematical Sciences.
Any other (please specify)	102
	<ol style="list-style-type: none"> 1. Dr. V. Vilfred, Question setter, Arul Anandar College (Autonomous), Madurai, Tamil Nadu. 2. Dr. V. Vilfred, Reviewer, Mathematical Review of American Mathematical Society. 3. Dr. V. Vilfred, Question setter, St. Xavier's College, Palayamkottai, Tamil Nadu. 4. Dr. V. Vilfred, Question setter, University of Kerala. 5. Dr. V. Vilfred, Question setter, University of Calicut. 6. Dr. V. Vilfred, Adjudicator for Ph.D. thesis evaluation of Kerala University. 7. Dr. V. Vilfred, Adjudicator for Ph.D. thesis evaluation of Manonmaniam Sundaranar University. 8. Dr. K. A. Germina, Senate Member, Kannur

- University 1998-2001 (under nomination).
9. Dr. K. A. Germina, National consultative committee member for Implementation of the National Mathematical Sciences Initiative (NMSI).
 10. Dr. K. A. Germina, Core Group member: Core Projects under the National Center for Advanced Research in Discrete Mathematics (CARDMATH).
 11. Dr. K. A. Germina, Project Advisory & Monitoring Committee (PMMC) member for the implementation of the IRHPA Core Group Project on Mathematical Sciences at the centre for Mathematical Sciences (CMS), 2006-2009.
 12. Dr. K. A. Germina, Member, Doctoral Committee, Kannur University.
 13. Dr. K. A. Germina, Member, Steering committee, Kannur University on reconstructing the curriculum and reviewing the scheme of Examination.
 14. Dr. K. A. Germina, Research Guide at Kannur University, MG University Kottayam, Anna University, Coimbatore.
 15. Dr. K. A. Germina, Member, Board of Adjudicators for Ph.D. thesis Evaluation in MS University, Thirunelveli, Tamil Nadu.
 16. Dr. K. A. Germina, Member, Board of Adjudicators for Ph.D. thesis Evaluation in Mother Theresa University, Kodaikkanal.
 17. Dr. K. A. Germina, Member, Board of Adjudicators for Ph.D. thesis Evaluation in Mysore University.
 18. Dr K. A. Germina, Reviewer, Indian Journal of Mathematics
 19. Dr K. A. Germina, Reviewer, International Journal of Algorithms, Computing and Mathematics
 20. Dr K. A. Germina, Reviewer, Journal of Combinatorial Mathematics and Combinatorial Computation
 21. Dr K. A. Germina, Reviewer, Applied Mathematics Letters
 22. Dr K. A. Germina, Reviewer, Ars Combinatoria
 23. Dr K. A. Germina, Reviewer, Discrete Mathematics
 24. Dr K. A. Germina, Reviewer, Discrete and Applied Mathematics

25. Dr K. A. Germina, Reviewer, European Journal of Pure and Applied Mathematics.
26. Dr K. A. Germina, Reviewer, Journal of Advanced Research in Applied Mathematics
27. Dr K. A. Germina, Reviewer, ISPACS Journal of Fuzzy Set Valued Analysis
28. Dr K. A. Germina, Reviewer, Advances and Applications in Discrete Mathematics
29. Dr K. A. Germina, Reviewer, International Journal of Mathematics and Soft Computing
30. Dr K. A. Germina, Reviewer, Carpathian Mathematical Publications
31. Dr K. A. Germina, Reviewer, British Journal of Mathematics & Computer Science.
32. Dr K. A. Germina, Referee for Project Proposals, Mathematical Sciences Office, Department of Science and technology, New Delhi.
33. Dr. Shaini P, Referee, Fixed Point Theory and Applications.
34. Dr. Shaini P, Member, Board of studies in Computer Science, Central University of Kerala.
35. Dr. Shaini P, Member, Board of studies in Chemistry, Central University of Kerala.
36. Dr. Ali Akbar K, Reviewer, Zentralblatt Math, Berlin, Germany.
37. Dr. Ali Akbar K, Referee, Journal of Dynamical Systems and Geometric Theory, Iran.
38. Dr. Ali Akbar K, Question setter, University of Calicut, Kerala.
39. Dr. Ali Akbar K, Examiner for Project, University of Calicut, Kerala.
40. Dr. Ali Akbar K, Member and Secretary, Government College Chittur Mathematics Alumni Association.
41. Dr. Gnanavel Soundararajan, Referee, Applied Mathematical Modelling.
42. Dr. Gnanavel Soundararajan, Referee, Computers and Mathematics with Applications.
43. Dr. Gnanavel Soundararajan, External Examiner for Ph.D. thesis in Department of Mathematics, Periyar University Salem, Tamil Nadu.
44. Dr. Gnanavel Soundararajan, External Examiner for M.Sc./ M.Phil. Mathematics in Department of Mathematics Bharathiar University Coimbatore, Tamil Nadu.

45. Dr. Manikandan Rangaswamy, Member International Linkages to promote diverse range of Education and Research activities at Central University of Kerala
46. Dr. Arjun K. Rathie, Reviewer, Zentrablantt fur Mathematik.
47. Dr. Arjun K. Rathie, Reviewer, Mathematical Reviews.
48. Dr. Arjun K. Rathie, Member, Rajasthan Ganit Parishad, Ajmeer.
49. Dr. Arjun K. Rathie, Member, SSFA, Lucknow.
50. Dr. Arjun K. Rathie, Delivered several invited talks and Seminars abroad.
51. Dr. Arjun K. Rathie, Research work quoted in a few books related to advanced Mathematics.
52. Dr. Arjun K. Rathie, External Examiner for evaluation of Ph.D. thesis.
53. Dr. Arjun K. Rathie, Research Guide, CU Kerala, Banasthali University, Career Point University, Kota (Rajasthan).
54. Dr. Arjun K. Rathie, Referee, SIGMA Journal.
55. Dr. Arjun K. Rathie, Referee, Abstract and Applied Analysis.
56. Dr. Arjun K. Rathie, Referee, Communications of Korean Mathematical Society.
57. Dr. Arjun K. Rathie, Referee, Applied Mathematics.
58. Dr. Arjun K. Rathie, Referee, Le Matematiche
59. Dr. Arjun K. Rathie, Referee, Demonstratio Mathematica.
60. Dr. Arjun K. Rathie, Referee, Far East Journal of Mathematical Sciences.
61. Dr. Arjun K. Rathie, Referee, Discrete Mathematics.
62. Dr. Arjun K. Rathie, Referee, Results in Mathematics.
63. Dr. Arjun K. Rathie, Referee, Honam Mathematical Journal.
64. Dr. Arjun K. Rathie, Referee, Journal of Fractional calculus and Applications.
65. Dr. R. Roopkumar, Member, Board of Reviewers for American Mathematical Society (USA).
66. Dr. R. Roopkumar, Member, Board of studies in Mathematics, Gopi Arts and Science College, Gopichettipalayam, Tamil Nadu.
67. Dr. R. Roopkumar, Member, Board of studies in Mathematics, Nirmala College for Women,

- Coimbatore.
68. Dr. R. Roopkumar, Member, Board of studies in Mathematics, Thassim Beevi Abdul Kadher College for Women, Keelakarai.
 69. Dr. R. Roopkumar, Reviewer, Asian Journal of Mathematics and Statistics (USA).
 70. Dr. R. Roopkumar, Reviewer, Journal of Mathematics Research (Canada).
 71. Dr. R. Roopkumar, Member in Board of Editors for Journal of Statistics and Mathematics (India).
 72. Dr. R. Roopkumar, Reviewer, Asian Journal of Algebra (USA).
 73. Dr. R. Roopkumar, Member in Board of Reviewers for Integral Transforms and Special Functions (UK).
 74. Dr. R. Roopkumar, Reviewer, Bulletin of Mathematical Analysis and Applications (Kosovo).
 75. Dr. R. Roopkumar, Reviewer, Asian-European Journal of Mathematics (Germany).
 76. Dr. R. Roopkumar, Reviewer, Journal of Function spaces and Applications (USA).

 77. Dr. R. Roopkumar, Reviewer, JMI International Journal of Mathematical Sciences, (India).
 78. Dr. R. Roopkumar, Reviewer, International Journal of Mathematics and Mathematical Sciences (USA).
 79. Dr. R. Roopkumar, Reviewer, Bulletin of the Malaysian Mathematical Sciences Society (Malaysia).
 80. Dr. R. Roopkumar, Reviewer, International Conference on Logic and its applications, 2012, Gandhigram Rural Institute (India).
 81. Dr. R. Roopkumar, Reviewer, International Journal of Mathematics and Soft Computing (UK).
 82. Dr. R. Roopkumar, Reviewer, Arab Journal of Mathematical Sciences (Saudi Arabia).
 83. Dr. R. Roopkumar, Reviewer, International Journal of Contemporary Advanced Mathematics (Canada).
 84. Dr. R. Roopkumar, Reviewer, Journal of Applied Analysis (Poland).
 85. Dr. R. Roopkumar, Reviewer, International Journal of Computer Mathematics (T&F-UK).
 86. Dr. R. Roopkumar, Reviewer, Journal of

	<p>Egyptian Mathematical Society (Egypt-Elsevier).</p> <p>87. Dr. R. Roopkumar, Reviewer, Iranian Journal of Fuzzy Systems (Iran).</p> <p>88. Dr. R. Roopkumar, Reviewer, Matematicki Vesnik (Serbia).</p> <p>89. Dr. R. Roopkumar, Reviewer, Georgian Journal of Mathematics (Georgia).</p> <p>90. Dr. R. Roopkumar, Reviewer, Kragujevac Journal of Mathematics (Serbia).</p> <p>91. Dr. R. Roopkumar, Reviewer, Journal of the Association of Arab Universities for Basic and Applied Sciences (Saudi Arabia - Elsevier).</p> <p>92. Dr. R. Roopkumar, Reviewer, Le Matematiche (France).</p> <p>93. Dr. R. Roopkumar, Reviewer, Journal of Analysis & Number Theory (USA).</p> <p>94. Dr. R. Roopkumar, Reviewer, Journal of Mathematical Sciences Letters (USA).</p> <p>95. Dr. R. Roopkumar, Reviewer, Punjab University Journal of Mathematics (Pakistan).</p> <p>96. Dr. R. Roopkumar, Reviewer, Tamsui Oxford Journal of Information and Mathematical Sciences (Taiwan).</p> <p>97. Dr. R. Roopkumar, Reviewer, Bulletin of Mathematical Sciences (Springer-Saudi Arabia).</p> <p>98. Dr. R. Roopkumar, Reviewer, Annals of Fuzzy Mathematics and Informatics (Korea).</p> <p>99. Dr. R. Roopkumar, Reviewer, Journal of Computational Methods in Sciences and Engineering (IOS press-Netherlands).</p> <p>100. Dr. R. Roopkumar, Reviewer, Advances and Applications in Discrete Mathematics (India).</p> <p>101. Dr. R. Roopkumar, Reviewer, Advances in Difference Equations (Germany- Springer).</p> <p>102. Dr. R. Roopkumar, Reviewer, Opuscula Mathematica (Poland).</p> <p>103. Dr. R. Roopkumar, Reviewer, Thai Journal of Mathematics, (Thailand).</p> <p>104. Dr. R. Roopkumar, Reviewer, Abstract and Applied Analysis (USA).</p> <p>105. Dr. R. Roopkumar, Reviewer, Journal of Mathematics Research (Canada)</p> <p>106. Dr. R. Roopkumar, Reviewer, Novi Sad Journal of Mathematics (Serbia).</p>
--	---

workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Vilfred V	<ol style="list-style-type: none"> 1. Instructional Workshop on “Discrete Topological Algebra” Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, 15-19, September 2014. 2. Instructional Workshop on “Semi-group and Applications” CUSAT, Kochi, Kerala 22-24 February 2014. 3. ISL Combinatorics, Harish Chandra Research Institute (HRI), Allahabad, U.P., 01-14 June, 2012. 4. Instructional Workshop on Hypergraphs and Matriods Annamalai University, Tamil Nadu, 27-31, March 2012.
Dr. K. A. Germina	<ol style="list-style-type: none"> 1. National Seminar on Quality Enhancement in Teaching, Learning and Evaluation: Present Trends and Challenges at St. Thomas College, Pala, 19-20 September, 2011. 2. Workshop on set-valuations, signed graphs and geometry at CMS Pala, 16-20 August 2010. 3. National Seminar on Applications of Graph Theory in other disciplines, Brennen College, Thalassery, 14 July 2010,
Dr. Shaini P	<ol style="list-style-type: none"> 1. Refresher Course on Topologies, Filters and Uniformities at KSOM, Kozhikode, 12-15 November, 2015. 2. Refresher Course on Differential Geometry at KSOM, Kozhikode, 18-21 October, 2015. 3. Refresher Course on Topology at KSOM, Kozhikode, 3-26 August, 2015. 4. UGC sponsored Refresher course in Mathematics, at ASC Madras University, 5-25 November 2014. 5. National workshop on Functional Analysis, Department of Mathematics, CUK, Periyar, 20-22 March 2014. 6. National workshop on Topological Dynamics, Department of Mathematics, CUK, Periyar, 19-21 February 2014. 7. National Seminar on Differential Equations and its Applications, SHIATS, Allahabad, U.P. 26-27 February, 2014. 8. National workshop on Linear Algebra and its Applications, Department of Mathematics and Statistics, SHIATS, Allahabad, U.P., 6-8 March, 2013. 9. National Seminar on Differential Equations and its Applications, SHIATS, Allahabad, 26 -27 February, 2013.

	<ol style="list-style-type: none"> 10. International Conference on Non linear Analysis, IMSC, Chennai, 18-20 January, 2012. 11. Symposium on Indian women and Mathematics, IMSC, Chennai. January 8-10, 2012. 12. 4th Science Conclaves, IIIT Allahabad, 26 November- 2 December, 2011. 13. 74th Orientation Programme organized at Calicut University, Kerala in June-July 2012. 14. 26th Annual Conference of the Ramanujan Mathematical Society, Department of Mathematics, Allahabad University, Allahabad, U.P., 2-5 October 2011. 15. Discussion meeting on Geometry and Analysis, Harish Chandra Research Institute, Allahabad, 12-16 March, 2011. 16. International Congress of Mathematicians (ICM 2010), Hyderabad International Convention Centre (HICC) Hyderabad, 19- 27 August, 2010. 17. International Conference of Women Mathematicians, (ICWM 2010) University of Hyderabad, Hyderabad, 17-18 August, 2010.
Dr. K. Ali Akbar	<ol style="list-style-type: none"> 1. Research Visit at IMSc, CIT Campus, Taramani, Chennai, 25-28 May, 2016. 2. Refresher Course on Complex Analysis, KSOM, Calicut, Kerala, 18-21 February 2016. 3. Workshop on 'Topological Dynamics', NITK, Suratkal, Kerala, 10-12, December 2015. 4. National Workshop on Functional Analysis, Govt. Victoria College, Palakkad, Kerala, 28-30, October 2015. 5. International Workshop on “Topology and Groups”, Goa University, India, 17-20 October, 2015. 6. UGC sponsored Refresher course in Mathematics, ASC, Kannur University, Kerala, India, 25 November -15 December 2014. 7. UGC sponsored Orientation Programme, ASC, University of Calicut, Kerala, 17 September-16 October 2014. 8. National Seminar on “Reflective Practices in Higher Education”, University of Calicut, 24 October, 2014. 9. IISC Mathematics Initiative Workshop on Differential Equations, Govt. College Chittur, Palakkad, 15-21 May 2013. 10. Workshop on Number Theory and Dynamical Systems, KSOM, Kozhikode, Kerala, India, 04-08

	<p>February, 2013.</p> <ol style="list-style-type: none"> 11. Free and Open Source Mathematical Software, Govt. College Chittur, Palakkad, 07-09 December 2012. 12. Advanced the Training in Mathematics (ATM) Workshop, Almora Mathematical Surveys, Kumaun University, 04-08 October, 2012. 13. Workshop on Geometric Group Theory, IISER, Mohali, 16-21 May, 2011. 14. Instructional Workshop on Ergodic Theory and Dynamical systems, KSOM, Calicut, Kerala, 17 October- 4 November, 2011. 15. One day lecture organized by Department of Mathematics and Statistics, University of Hyderabad, 22 March, 2011. 16. Three Day National Seminar on “Topology and Fractal Geometry”, Govt. College Chittur, Palakkad, 19-21 November, 2010. 17. International Congress of Mathematicians Satellite conference and delivered a Lecture at MS University, Baroda, August 29 - September 1, 2010. 18. International Congress of Mathematicians, Hyderabad, 19-27 August, 2010.
<p>Dr. Gnanavel Soundararajan</p>	<ol style="list-style-type: none"> 1. One day User Awareness Programme on Shodhganaga and Anti-Plagiarism software (Urkund), jointly organized by INFLIBNET (An UGC-Inter University Center) Gandhinagar and University Library, Central University of Kerala on 12th August 2016. 2. National Workshop on Advanced Analysis and Differential Equations, Periyar University, 9-17 June, 2016. 3. International conference on Nonlinear Dynamical Systems, Bharathiar University, Coimbatore, 24-26 March, 2016. 4. National Workshop on Understanding Mathematics, Central University of Kerala, Kasaragod, 3-5 March, 2016. 5. 110th Orientation programmes, Bharathiar University, Coimbatore, Tamil Nadu, 18 November -15 December 2015. 6. 8th International Congress on Industrial and Applied Mathematics (ICIAM 2015), Beijing, China, 10-14, August 2015. 7. National workshop on Module Theory, Central University of Kerala, Kasaragod, 15-19 December

	<p>2014.</p> <ol style="list-style-type: none"> 8. Advanced Workshop on Mathematical Foundation of Advanced Finite Element Methods, BITS Pilani KK Birla Goa Campus, 26 December, 2013-03 January, 2014. 9. 3rd National conference on Advances in Differential Equations and Applications (NCADEA-2014), Periyar University, Salem, 04-05December, 2014. 10. International Congress of Mathematicians, Coex, Seoul, South Korea, 13- 21 August, 2014. 11. Workshop on Differential Equations and its Applications, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, 18-21 December, 2013. 12. Advanced Workshop on Homogenization, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, 9-14 December, 2013. 13. National Programme on Differential Equation: Theory, Computation and Applications (Advanced Level), Indian Institute of Technology, Bombay, 10-30 June, 2012. 14. Seminar on Partial Differential Equations, Bharathiar University, Coimbatore, 28-29 February, 2012. 15. Special Lectures on Large Deviations Theory: Connections to Control Theory, Fluid Dynamics, Nonlinear PDE and Statistics Bharathiar University, Coimbatore, 16-22 February, 2012. 16. 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011), Vancouver, Canada, 18-22 July, 2011. 17. Lecture Series on Navier-Stokes Equations, Solvability, Control and Stochastic Analysis, Indian Institute of Science Education and Research, Thiruvananthapuram, Kerala, 22 February – 4 March, 2011. 18. Special Lectures on Navier-Stokes Equations: Solvability, Control and Stochastic Analysis, Bharathiar University, Coimbatore, 14-18 February, 2011.
<p>Dr. Manikandan Rangaswamy</p>	<ol style="list-style-type: none"> 1. National Workshop on Understanding Mathematics, Central University of Kerala, Kasaragod, 3-5 March, 2016. 2. Workshop on Game Theory and Mechanism Design, National Mathematics Initiative (NMI), Indian Institute of Science, Bangalore, India, 11-15 January, 2016.

3. ATM Workshop on Applied Probability, Indian Institute of Technology, Bombay, India 4-8, January, 2016.
4. Indo-French Centre for Applied Mathematics (IFCAM) Summer School in Applied Mathematics, Indian Institute of Science, Bangalore, India, 29 June - 15 July, 2015.
5. Lectures on Probability and Stochastic Processes IX, Indian Statistical Institute, Kolkata, India, 12-16 December, 2014.
6. Conference on Stochastic Systems and Applications, National Mathematics Initiative (NMI), Indian Institute of Science, Bangalore, India, 08-11 September, 2014
7. First European Conference on Queueing Theory (ECQT 2014), Ghent University, Ghent, Belgium, 20-22 August 2014.
8. Refresher Course for College Teachers in Kerala State, Kerala School of Mathematics (KSOM), Kozhikode, Kerala, India, 10-13 January 2014.
9. 8th International Conference and Instructional workshop on Matrix Analytic Methods in Stochastic Models (MAM8), NIT Calicut, India 6-10 January, 2014.
10. Refresher Course for College Teachers in Kerala State, Kerala School of Mathematics (KSOM), Kozhikode, Kerala, India, 22-25 November, 2013.
11. Refresher Course for College Teachers in Kerala State, Kerala School of Mathematics (KSOM), Kozhikode, Kerala, India, 08-11 November 2013.
12. National Conference on Algebra & Number Theory (NCANT-2012), Cochin University of Science and Technology, Cochin, India, 16-18 August, 2012.
13. Workshop on Mathematical Analysis, Amrita Vishwa Vidhyapeetham University, Kollam, India, 20-22 June, 2011.
14. International Conference on Mathematical and Computational Models, PSG College of Technology, India, 19-21 December 2011.
15. International Conference on Stochastic Modeling and Simulation, VEL TECH, Technical University, India, 15-17 December, 2011.
16. International Congress of Mathematicians (ICM 2010), Hyderabad International Convention Centre (HICC), Hyderabad, India, 19-27 August, 2010.
17. ICM Satellite Conference on Probability and

	Stochastic Process, Indian Statistical Institute, Bangalore Centre, India, 13-17 August 2010.
Dr. R. Roopkumar	<ol style="list-style-type: none"> 1. International Conference on Current Developments in Mathematics and Mathematical Sciences, Calcutta Mathematical Society, Kolkata, 19-21 December, 2014. 2. XXX Refresher course in Mathematics at UGC Academic Staff College, University of Madras, Chennai, 5-25 November 2014. 3. International Conference on Algebra and Discrete Mathematics, Government College, Kattappana, 04-06 March, 2014. 4. National level Dr. T. Thirvikraman Endowment Lecture, Department of Mathematics, St. Teresa's College, Ernakulam, 25 January, 2014. 5. National Conference on Applications of Discrete and Fuzzy Mathematics, Federal Institute of Science and Technology, Mookkanur, Angamaly, 15-17 July, 2013. 6. Workshop on Financial Mathematics, Department of Mathematics, Madurai Kamaraj University, Madurai, 27 March, 2013. 7. National Seminar on New Perspectives of Mathematical Theory of Computer Science, Department of Mathematics, Sacred Heart College, Thevara, Kochi, 13-15 December, 2012. 8. National Conference on Frontiers in Analysis and Differential Equations, Department of Mathematics, Bharathidasan University, Trichy, 18 December, 2012. 9. One-day Workshop on Access and Expansion, Equity and Inclusion, Quality and Excellence in Higher Education – Issues and Strategies, Alagappa University, 12 May, 2012. 10. National Conference on Recent trends in Mathematics and its Applications, Department of Mathematics, Alagappa University, Karaikudi, 22 December, 2010.

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	100

percentage of students doing projects in collaboration with other universities/industry/institute	Nil
---	-----

29. Awards/recognitions received at the national and international level by

Faculty	8
Awardee	Award
Dr. Shaini. P	1. UGC-BSR-Start-up grant, 2015.
Dr. K. Ali Akbar	1. Dr.K.V.Rao Scientist Award, 2010 2. UGC-BSR-Start-up grant, 2015.
Dr. Gnanavel Soundararajan	1. Indian delegate for ICM 2014. 2. Indian Institute of Space Science and Technology, Post- Doctoral Fellowship - 2013. 3. UGC-BSR-Start-up grant, 2016.
Dr. Manikandan Rangaswamy	1. SERB- DST International Travel Grant “First European Conference on Queueing Theory”, Ghent University, Belgium Aug 2014. 2. Dr.D.S. Kothari Post-Doctoral Fellowship, UGC 2014. 3. NBHM-Post-Doctoral Fellowship, 2014.
Doctoral /Post-Doctoral fellows	
Awardee	Award
Deepa K	KSCSTE -JRF
Prajisha E	KSCSTE -JRF
Jinto James	NET, DST SERB Project-JRF
Nageswara Rao K,	DST SERB Project-JRF
Shine Raj S N	GATE, CU-Kerala-JRF
Abdul Jaleel A P	NET, CU-Kerala -JRF
Students	6
Awardee	Award
Nitha Niralda	DST-Inspire-JRF
Praveen	GATE, KSCSTE-JRF
Danya Varma	KSCSTE-JRF
Surya	KSCSTE-JRF
Lakshmi Priya N	KSCSTE-JRF
Sreya V V	GATE

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Recourse person
-------	------	-------------------	-----------------

National workshop on Understanding Mathematics	3 -5 March 2016	CU-Kerala	Prof.B.V.R.Bhat, Prof. Jayadeb Sarkar and Prof.E.K.Narayanan
National Conference on Control and Inverse Problems (CIP 2016) at CUTN	February 26-27, 2016	NBHM	Prof.M. Thamban Nair, Prof.K. Balachandran, Prof. Raju K. George, Prof N.Sukavanam, Prof.Venky Krishnan and Prof.K.Sakthivel
One day Seminar on Cardinal and Ordinal Numbers	7 January 2016	CU-Kerala	Prof. Thrivikraman,
One day Seminar on Stability of Operator Equations	15 December 2015	CU-Kerala	Prof. M. Thamban Nair
Orientation cum Bridge Course fresher's	20 -22 & 30 July 2015	CU-Kerala	Prof. Thrivikraman and Prof. T Ramachandran
National Science Day 2015 celebrations	25 February 2015	KSCSTE	Prof. Thrivikraman
National workshop on Module Theory	15 -19 Dec 2014	CU-Kerala	Prof. R. P. Shukla, Dr. Srivastava and Dr. Vipul Kakar
National workshop on Functional Analysis	20-22 Mar 2014	CU-Kerala	Prof. Thamban Nair and Prof. V. Kulkarni.
National workshop on Topological Dynamics	19-21 Feb 2014	CU-Kerala	Prof. Rama Mishra and Prof. I. Subramania Pillai
National workshop on Linear Algebra	2013	CU-Kerala	Prof. A. M. Mathai and Prof. A. J. Jayanthan
National workshop on Applied Analysis	2013	CU-Kerala	Prof. K. Parthasarathy and Prof. S. Balasubramani
National workshop on Discrete Mathematics	2013	CU-Kerala	Prof. E. Sampath Kumar and Prof. B. D. Acharya.
International workshop on set-valuations, signed graphs, geometry and applications	September 2-6, 2011	DST , CR Rao Advanced Institute for Mathematics, Statistics, and Computer science,	Prof. B. D. Acharya, Prof. Thomas Zaslavsky, Prof. A. M Mathai, Prof. Mukti Acharya, Prof. S Pirzada, Prof. Deepa Singha

		Hyderabad and Kerala State Council for Science Technology and Environment, Kerala	
Workshop on set-valuations of graphs, signed graphs and geometry.	August 2010	DST	Prof. E. Sampath Kumar, Prof. B. D. Acharya, Prof. Thomas Zaslavsky, Prof. A. M Mathai

31. Code of ethics for research followed by the Departments

As per Ph.D. Guidelines of CU Kerala .

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc	289	18	109	100	100
Ph.D.	9	4	3**	NA	NA

* Average for the assessment period.

** 1 discontinued after getting job.

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M. Sc	NA	91%	9%	0%
Ph. D	50%	33%	17%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	0
NET	1
SET	0
GATE	3
KSCSTE Ph.D. Fellowships	6
DST- INSPIRE	1

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M.Phil		4%
PG to Ph.D.		8%
Ph.D. to Post-Doctoral		Nil
Employed	Campus selection	Nil
	Other than campus recruitment	25
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0%
universities within the State	50%
universities from other States	50%
universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil	Nil
Ph.D.	3
D.Sc	Nil
D.Litt	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Sufficient number of books is available in the main library.
Internet facilities for staff and students	All faculty and students have Wi-Fi Internet access.
Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	One with 26 systems
Research Laboratories/ Rooms	Research students are provided two computers with WI-FI facility / One room.

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of
----------------------	-----------

	PDF/RA
From the host institution/university	Nil
From other institutions/ universities	Nil
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the University.

M.Sc. Students: 62/83

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

None

42. Does the department obtain feedback from

- (a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which will be submitted in the next BOS meeting for approval.

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Students are requested to fill the feed-back forms on staff, curriculum and teaching- learning-evaluation. The students are also requested to precisely write their complaints and suggestion sheets of papers (without revealing their identity). The students are personally asked if they have any inconvenience or complaints. All such inputs obtained from the students are discussed in the faculty council meeting and appropriate decisions are made to improve.

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The alumni are in contact with the faculty through social networks and they do give suggestions to improve curriculum and teaching-learning-evaluation, based on their experience. These suggestions are carefully discussed among the faculty and improvement is done accordingly.

43. List the distinguished alumni of the department (maximum 10)

Not yet.

44. Give details of student enrichment programmes (special lectures /

workshops / seminar) involving external experts.

Special Lectures:

1. Special lecture on Complex Analysis by Prof. K. Parthasarathy
2. Invited talk on Information Theory delivered by Prof. P. N. Rathie, Department of Statistics, University of Brasilia, Brazil.
3. Motivational talk on Research and some basic concept in Mathematics by Prof. A. M. Mathai.
4. Invited talk on Fractional differentiation by Prof. K. Balachandran.

Workshop/ Seminar:

See S. No: 30 for more details.

45. List the teaching methods adopted by the faculty for different programmes.

M.Sc.: We follow Choice-Based Credit System (CBCS) for M.Sc. Students are taking elective courses. We follow, power point lectures, Black-board and Chalk, videos, Student Presentations, in class and take-home assignments. We follow continuous assessment and end semester exams to evaluate the student performance.

Ph. D.: Student presentations, Discussions, and Examinations.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to foster the research aptitude and teaching skills of the M. Sc. and Ph. D students. Therefore we have student seminar and research paper discussions as a part of our curriculum. A few of our students have qualified NET, GATE, KSCSTE and INSPIRE Fellowship. Our Ph. D. students have attended several national and international seminars, workshops and conferences and presented papers. Since more than 60% of our M. Sc. students are from the Kasaragod locality (District lacking higher education), we met our mission to give quality higher education to the socially and economically-backward students. Eighty five percentages of our M. Sc. students were girls; therefore, we meet our third mission of women empowerment in higher education.

47. Highlight the participation of students and faculty in extension activities.

Workshops and Training Sessions Conducted by Faculty

1. Dr. K. A. Germina, organized National workshop on Functional Analysis, 20-22 March 2014.
2. Dr. K.A. Germina, organized National workshop on Topological Dynamics, 19-21 February 2014.
3. Dr. K. A. Germina, organized National workshop on Applied Analysis, 2013.
4. Dr. K. A. Germina, organized National workshop on Linear Algebra, 2013.

5. Dr. K. A. Germina, organized National workshop on Discrete Mathematics, 2013.
6. Dr. K. A. Germina, organized International workshop on set- valuations, signed graphs, geometry and applications, 2011.
7. Dr. K. A. Germina organized Workshop on set-valuations of graphs, signed graphs and geometry, August 2010.
8. Dr. Shaini .P, organized National workshop on Understanding Mathematics, 3-5 March, 2016.
9. Dr. Shaini .P, organized One day Seminar on “Cardinal and Ordinal Numbers”, 7 January, 2016.
10. Dr Shaini .P, organized One day Seminar on “Stability of Operator Equations”, 15 December, 2015.
11. Dr. Shaini P organized Orientation cum Bridge Course for fresher’s, 20-22 & 30 July 2015.
12. Dr. Shaini P organised National Science Day 2015 Celebrations, 25 February 2015.
13. Dr. S. Gnanavel organized the Compact Course on Complex Analysis, 9 -21 February 2015.
14. Dr. Shaini P organized National Workshop on Module Theory, 15-19 December 2014.

Talks/Invited Lectures

1. Dr. V. Vilfred, “Graph Theory and Its Applications” at Vivekananda College, Agasteeswaram, Kanyakumari, Tamil Nadu on 1 August, 2016.
2. Dr. V. Vilfred, “Some Great Mathematicians” at All saints College, Trivandrum, Kerala on 18 July, 2016.
3. Dr. V. Vilfred, “History of Mathematicians and Research Methodology” UGC sponsored One day workshop, Mahatma Gandhi College, Trivandrum, Kerala on 24 June, 2016.
4. Dr. V. Vilfred, “A Few Great Mathematicians”, St. Jude’s College, Thoothoor, Kanyakumari District, Tamil Nadu, 4 April 2016.
5. Dr. V. Vilfred, “Great Mathematicians and Their Contributions” One-day seminar to PG students, Christian College, Kattakada, Trivandrum, Kerala, 14 March 2016.
6. Dr. V. Vilfred, “A Few Open Problems in Graph Theory” One-day National Conference on Mathematical Analysis and Graph Theory, St. Xavier’s College, Palayamkottai, Tamil Nadu, 11 March 2016.
7. Dr. V. Vilfred, “History of Mathematics” One day seminar to PG students VTNMS NSS College, Danvachipuram, Trivandrum, Kerala, 29 February, 2016.
8. Dr. V. Vilfred, "A Few Great Mathematicians and Their Contributions” One day seminar to PG students ,NM Christian College, Marthandam, Tamil Nadu 1 February, 2016.
9. Dr. V. Vilfred, “Families of Circulant Graphs without Cayley Isomorphism Property and New Abelian Groups” 3-days Inter. Conf. on

Semigroups Algebras and Applications, CUSAT, Cochin, Kerala, 19 September, 2015.

10. Dr. V. Vilfred, “A Few Common Errors committed in Mathematics” ITPD Professional Development of in-service for Mathematics Teachers at secondary, RMSA, Kanyakumari District, Thackalai, 8 September, 2015.
11. Dr. V. Vilfred, “A Study On Circulant Graphs without Cayley Isomorphism Property and New Abelian Groups” Three days National . Conference on Discrete Mathematics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, 16 July, 2015.
12. Dr. V. Vilfred, “A Few Great Mathematicians and Their Contributions” One-day seminar to PG students, WCC, Nagercoil, 19 March 2015.
13. Dr. V. Vilfred, on “A Few Mathematical symbols and A Few Great Mathematicians” ITPD Professional Development of in-service for Mathematics Teachers at secondary level, RMSA, Kanyakumari District ,Vilavancode , 27 August, 2014.
14. Dr. V. Vilfred, “A Few Open Problems in Graph Theory” Five-days National Workshop on Advances in Graph Theory, Kerala University, Thiruvananthapuram, 09 May 2014.
15. Dr. V. Vilfred, “Integral Sum Graphs” Two days National Seminar on Advances in the field of Mathematics, Scott Christian College, Nagercoil, 21 March, 2014.
16. Dr. V. Vilfred, “The Four Color Theorem – A New Proof by Induction” Two days National Seminar on Graph Theory and its Applications, St. Aloysius College, Mangalore, 17 January, 2014.
17. Dr. V. Vilfred, “A Theory of Cartesian Product and Factorization of Circulant Graphs” Three days National Seminar on Algebra and Discrete Mathematics, Kerala University, Thiruvananthapuram, 9 January, 2014.
18. Dr. V. Vilfred, “Circulant Graphs: Self-complement, Isomorphism and New Abelian Groups and Cartesian Product and Factorization” in the National Seminar on Graph Theory and Mathematical Modelling, St. Berchman’s College, Changanachery, Kerala, 25-27, September 2013.
19. Dr. V. Vilfred, “New Abelian Groups from Isomorphic circulant graphs” International Conference on Applied Mathematics and Theoretical Computer Science, St. Xavier’s Catholic College of Engineering, Nagercoil, Tamil Nadu, 24-25 January, 2013.
20. Dr. V. Vilfred, “On Mathematics and a few great Mathematicians” in the State level Seminar on Advances in Mathematics, Annai Velankanni College, Tholaiyavatom, K.K. District, Tamil Nadu, 28 February 2012.
21. Dr. V. Vilfred, “On Sum Graphs and Integral Sum Graphs” Three days National Seminar on Algebra and Discrete Mathematics, Kerala University, Thiruvananthapuram, 8 February, 2012.

22. Dr. V. Vilfred, "On the Product and Factorization of Circulant Graphs" Inter. Seminar on New Trends in Applications of Mathematics, Bharata Matha College, Thirkkakara, Kerala, 1 February 2011.
23. Dr. V. Vilfred, "Complex Integration – Definite Integrals" in the National Workshop on Mathematical Methods in Physics , School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam, Kerala, 23 March 2011.
24. Dr. V. Vilfred, "The Four Color Problem – Proof by Mathematical Induction" Two days National Seminar on Recent trends, Mathematics at MNC College, Marthandam, 8 October, 2011.
25. Dr. K. A. Germina, "Spectral analysis on net working", Recent Advances in Graph Theory organized by Department of Mathematics, National institute of Technology, Calicut, 26, June 2013.
26. Dr. K. A. Germina, "Signed Graphs", National Conference on Analysis and Applications at Dept. Of Mathematics, Karnataka University, Dharwad during 21-23 March, 2013.
27. Dr. K. A. Germina, "Graph theory and Networking", Rajagiri School of Engineering, 2-15 December, 2012.
28. Dr. K. A. Germina, "Networking Analysis using graph theory", Kerala Science Congress organized by Kerala Science and Technology, TVM, 2-15 December, 2012.
29. Dr. K. A. Germina, "Graph theory applied to chemistry" , Recent Advances in Graph Theory, National institute of Technology, Durgapur, West Bengal, 26 March, 2012.
30. Dr. K. A. Germina, " Lecture series on Graph Theory", Department of Applied Mathematics with Oceanology and Computer Programming , Vidyasagar University, Midnapur, West Bengal, 23- 24 March, 2012.
31. Dr. Shaini. P, An Introduction to Bounded Gap Conjecture, St. Joseph's College, Pilathara, Kannur, 23 February, 2016.
32. Dr. K. Ali Akbar, Lengths of cycles of the endomorphism on an abelian group, Workshop on "Topological Dynamics, NITK, Suratkal, Kerala, 10-12 December, 2015.
33. Dr. K. Ali Akbar, Subshifts of finite type and Cellular automata, Workshop on "Topological Dynamics, NITK, Suratkal, Kerala, 10-12 December, 2015.
34. Dr. K. Ali Akbar, "The Horse Shoe Map- as a part of the National Workshop on Functional Analysis", Govt. Victoria College, Palakkad, Kerala, 28-30 October, 2015.
35. Dr. K. Ali Akbar, "Set of Periods of Linear operators", K.V Rao Young Scientist Award, Hyderabad, 2010.
36. Dr. K. Ali Akbar, "Transitive toral automorphisms" ICM satellite conference, at MS University, Baroda, 2010.
37. Dr. Gnanavel Soundararajan, "Introduction to Inverse Problems", One Day National Conference on Recent Trends in Pure & Applied

Mathematics, Rathinam College of Arts and Science, Coimbatore, 4 September, 2015.

38. Dr. Gnanavel Soundararajan, Simultaneous Identification of Convection Parameters in the Reaction Diffusion Convection System, 8th International Congress on Industrial and Applied Mathematics (ICIAM 2015), Beijing, China 10-14, August 2015.
39. Dr. Gnanavel Soundararajan, Inverse Problem for Phase Field Model Using Optimization Technique, 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011), Vancouver, Canada during 18-22, July 2011.
40. Dr. Manikandan Rangaswamy, "Markov Chain and its Applications." Faculty Development Programme under TEQIP-II on Applications of Mathematics, College of Engineering Trikaripur, Kasaragod, India, 20 January, 2016.
41. Dr. Manikandan Rangaswamy, "Classical queuing-inventory system with working vacation and vacation interruptions." Lectures on Probability and Stochastic Processes IX (LPS IX), Indian Statistical Institute, Kolkata, India, 12-16 December, 2014.
42. Dr. Manikandan Rangaswamy, "Retrial of unsatisfied customers in a queuing-inventory system." First European Conference on Queuing Theory (ECQT 2014), Ghent University, Belgium, 20-22 August, 2014.
43. Dr. Manikandan Rangaswamy, (with Dhanya Shajin, B. Lakshmy) "On an $M/M[1,K]/1 \rightarrow \bullet/M/1/N$ tandem queue with attached inventory in second station and rejection of customers." 8th International Conference and Instructional workshop on Matrix Analytic Methods in Stochastic Models (MAM8), National Institute of Technology Calicut, India, 6-10 January, 2014.
44. Dr. Manikandan Rangaswamy, (with A. Krishnamoorthy) "Production inventory with positive service time and loss." XVIII Ramanujan Symposium on Recent Trends in Dynamical Systems and Mathematical Modelling, Ramanujan Institute of Advanced Study in Mathematics, University of Madras, India, 25-27 September 2013.
45. Dr. Arjun K. Rathie, "Fourier Series and Ramanujan's work on Hypergeometric series", Department of Mathematics, Mary Matha College of Arts & Science, Manathawady, 28 March, 2016.
46. Dr. Arjun K. Rathie, "Ramanujan's work on hypergeometric series and Fourier Series & Hypergeometric Series", Government Engineering College, Bikaner, 16-18 December, 2015.
47. Dr. Arjun K. Rathie, "Applications of Special Functions in Engineering" at Vedant College of Engineering & Technology, Bundi, 14-15, December, 2015.
48. Dr. Arjun K. Rathie, "Hypergeometric Series" Department of Mathematics, Kannur University, Kannur, 15 May, 2015.

49. Dr. Arjun K. Rathie, "Fourier Series, Summations and Hypergeometric Series" Department of Mathematics, Dongguk University, Gyeongju, South Korea, 19 March, 2015.
50. Dr. Arjun K. Rathie, "Generalized Hypergeometric Functions with applications in Ramanujan's summations", National Conference and Annual Conference of Kerala Mathematics Association held at FISAT, Angamali, Kerala, 16 July, 2013.
51. Dr. Arjun K. Rathie, "Ramanujan's results on hypergeometric series and their generalizations", National Seminar on "Ramanujan's Delightful Pursuits", Government College, Kasaragod, 1 November, 2012.
52. Dr. Arjun K. Rathie, "Ramanujan's summations, their generalizations" Anna University, Chennai, India, 28 March, 2011.
53. Dr. Arjun K. Rathie, "Ramanujan's summations: their derivations, generalizations and extensions through hypergeometric and generalized hypergeometric series", Centre for Mathematical Sciences, Pala, Kerala, 22 June, 2011.
54. Dr. Arjun K. Rathie, "On Kummer's second summation theorem, its generalizations and extensions", Sultan Qaboos University, Muscat, Oman, 09 October, 2012.
55. Dr. Arjun K. Rathie, "Two formulas contiguous to a Quadratic transformation due to Kummer with an application", 2012 Winter Seminar on Complex Analysis and Special Functions, Department of Mathematics, Dongguk University, Kyeongju, South Korea 2 February, 2012.
56. Dr. Arjun K. Rathie, "Geometric Series and Hypergeometric Series" Department of Mathematics Education, Wonkwang University, Iksan, South Korea, October 27, 2010.
57. Dr. R. Roopkumar, "Generalizations of metric spaces", National Seminar on Mathematics and its Applications, St. Teresa's College, Ernakulum, 2 July, 2016.
58. Dr. R. Roopkumar, "Linear transforms", Alagappa University, Karaikudi, 15 April, 2016.
59. Dr. R. Roopkumar, "Determinants of Linear transforms", Special meeting, Vellalar College for Women, Erode, 26 February, 2016.
60. Dr. R. Roopkumar, "Some Applications of Functional Analysis", DBT funded Two-day Seminar on Applications of Mathematics, Vellalar College for Women, Erode, 26 February, 2016.
61. Dr. R. Roopkumar, "Fourier series" in the State level seminar on Analysis and its Applications, Thiyagarajar College, Madurai, 22 February, 2016.
62. Dr. R. Roopkumar, "Quaternionic integral transforms" in International Conference on Advances in Applied Mathematics, Materials Science and

- Nanotechnology for Engineering and Industrial Applications, Federal Institute of Science and Technology, Angamaly, 08 January, 2016.
63. Dr. R. Roopkumar, "Determinants, Nadar Saraswathi College, Saiva Bhanu Kshatriya College, Aruppukottai, 08 October, 2015.
 64. Dr. R. Roopkumar, "A motivation for mathematical thinking" in "DST INSPIRE Internship programme", Devanga Arts College, Aruppukottai, 08 October 2015.
 65. Dr. R. Roopkumar, "Introduction to Latex" and gave training in "Two Day State Level Workshop on MatLab and Latex", Nadar Saraswathi College, Theni, 22 August, 2015.
 66. Dr. R. Roopkumar, Delivered a (6 hours) talk on "Problem solving techniques in real analysis" in "Two Day Workshop on Algebraic structures and analysis", Cardamom Planters Association College, Bodinayakanur, 24 July, 2015.
 67. Dr. R. Roopkumar, "X-lets in image processing" in the Faculty Development Programme on Mathematical Modelling and Simulation, Anna University, Trichy, 11 May, 2015.
 68. Dr. R. Roopkumar, "Fourier series and wavelets" in the One Day Seminar on Mathematics", University College of Engineering, Pattukottai, 27 March, 2015.
 69. Dr. R. Roopkumar, "Multi-resolution Analysis" in the National Conference on Recent Developments in Applications of Mathematics, Karpagam University, Coimbatore, 13 March 2015.
 70. Dr. R. Roopkumar, "Introduction to Latex" and gave training in "One Day State Level Workshop on Latex", Saiva Bhanu Kshatriya College, Aruppukottai, 07 March, 2015.
 71. Dr. R. Roopkumar, "Spectral theory and Banach algebra", Kongu College of Arts and Science, Erode, 19 February 2015.
 72. Dr. R. Roopkumar, "Foundations of Mathematics", in One Day Seminar on Topology and Decision Making, Holy Cross College, Trichirappalli, 20 January, 2015.
 73. Dr. R. Roopkumar, "Applications of Mathematical Analysis", State Level Seminar on Mathematics in Diverse Fields, Bharathi Women's College, Chennai, 06 January, 2015.
 74. Dr. R. Roopkumar, "Introduction to Latex", Workshop on Latex and MatLab, Cardamom Planters Association College, Bodinayakanur, 18 October, 2014.
 75. Dr. R. Roopkumar, "Generalizations of metrics", UGC Sponsored state level seminar on advances in Mathematics and its applications, Madura College, Madurai, 26 September, 2014.
 76. Dr. R. Roopkumar, "Introduction to fuzzy Mathematics", Valedictory function for Mathematics Association, Alagappa Government Arts College, Karaikudi, 25 April, 2014.

77. Dr. R. Roopkumar, "Problem solving techniques in real analysis", Three day National Seminar on Analysis and Applications, Panambilli Government College, Chalakudi, 15 March, 2014.
78. Dr. R. Roopkumar, "Limit, continuity and differentiability", The day National Seminar on Analysis and Applications, Panambilli Government College, Chalakudi, 13 March, 2014.
79. Dr. R. Roopkumar, "Spectral theory", Department of Mathematics, Kongu Arts and Science College, Erode, 22 February, 2014.
80. Dr. R. Roopkumar, "Elliptic functions", Department of Mathematics, VVV College for Women, Virudunagar, 21 February, 2014.
81. Dr. R. Roopkumar, "Orthogonal projection operator", Two Day National Seminar on Advanced Analysis and Operator Theory, Aquina's College, Cochin, 24 January, 2014.
82. Dr. R. Roopkumar, "Introduction to wavelets", TEQIP - II Sponsored Faculty Development Programme on Recent Trends in Mathematics (RTIM'13), Department of Mathematics, Anna University -Trichy, 19 December, 2013.
83. Dr. R. Roopkumar, "Topology", NET coaching, Panambilli Government College, Chalakudi, 09 November, 2013.
84. Dr. R. Roopkumar, "Real analysis", NET coaching, Panambilli Government College, Chalakudi, 08 October, 2013.
85. Dr. R. Roopkumar, "Introduction to fuzzy Mathematics", Cardamom Planters Association College, Bodinayakanur, 29 October, 2013.
86. Dr. R. Roopkumar, "Applications of functional analysis", Two Day National Workshop on Differential Geometry, Panambilli Government College, Chalakudi, 23 September, 2013.
87. Dr. R. Roopkumar, "Boehmians", National Seminar on Algebra and Analysis, GRG Krishnammal College for Women, Coimbatore, 23 August, 2013.
88. Dr. R. Roopkumar, "Image processing", Inter-departmental Seminar, SFR College for Women, Sivakasi, 19 July, 2013.
89. Dr. R. Roopkumar, "Curriculum Development for Science", Tamil Nadu Open University, Chennai, 22 March, 2013.
90. Dr. R. Roopkumar, "Algebra", Training programme of NET/SLET Examinations, Nirmala College for Women, Coimbatore, 04 May, 2013.
91. Dr. R. Roopkumar, "Applications of Functional Analysis in Signal Processing", National Seminar of emerging trends in engineering mathematics, M. Kumarasamy College of Engineering, Karur, 05 April, 2013.
92. Dr. R. Roopkumar, "Titchmarsch Theorem and its Applications", National conference on new innovations in pure and applied mathematics, Mount Zion College of Engineering and Technology, Pudukottai, 29 March, 2013.

93. Dr. R. Roopkumar, "Curriculum Development for Mathematics", Workshop on Curriculum Development for Science. Tamil Nadu Open University, Chennai, 22-23 March, 2013.
94. Dr. R. Roopkumar, "Integral transforms in signal processing", FDP on Recent advancements in mathematics and their applications to engineering innovations, Department of Mathematics, Government Engineering College, Bargur, 08-09 February, 2013.
95. Dr. R. Roopkumar, "Titchmarsh theorem and its applications", UGC-SAP (DRS-II) training programme, Department of Mathematics, Gandhigram Rural Institute (Deemed University) , 02 February, 2013.
96. Dr. R. Roopkumar, "Glimpses of Works of Srinivasa Ramanujan", Department of Mathematics, Sri Sarada Niketan College for Women, Amaravathipurdur, 22 December 2012.
97. Dr. R. Roopkumar, "Algebra", NET / SET Training Programme – Phase II, Department of Mathematics, Bharathiar University, Coimbatore, 26 September, 2012.
98. Dr. R. Roopkumar, "Wavelets through Multi resolution Analysis", State Level Seminar on Innovative Techniques in Mathematical Research, SBK College, Aruppukottai, 14 September, 2012.
99. Dr. R. Roopkumar, valedictory address in the Mathematics Association, Dr. Umayal Ramanathan College for Women, Karaikudi, 15 March, 2012.
100. Dr. R. Roopkumar, "Topology", NET / SET Training Programme Phase I, Department of Mathematics, Bharathiar University, Coimbatore, 15-16 February, 2012.
101. Dr. R. Roopkumar, "NET Coaching Class in Topology", Department of Mathematics, Nirmala College for women, Coimbatore, 15 February, 2012.
102. Dr. R. Roopkumar, "Fourier transform", UGC-SAP (DRS II) Seminar, Department of Mathematics, Gandhigram Rural Institute, Gandhigram, 03 February, 2012.
103. Dr. R. Roopkumar, "Applications of approximation theory", Department of Mathematics, Caussanel College, Ramanathapuram, 01 August, 2011.
104. Dr. R. Roopkumar, "Introduction to Fuzzy Mathematics", State Level Seminar on Fuzzy Mathematics, Mannar Thirumalai Naicker College, Madurai, 23 March, 2011.
105. Dr. R. Roopkumar, "Mathematical aspects Fourier Series and its applications", Department of Physics, Alagappa University, Karaikudi, 14 March, 2011.
106. Dr. R. Roopkumar, "Introduction to Latex", Workshop in Latex, Thassim Beevi College, Keelakarai, 04 March, 2011.

107. Dr. R. Roopkumar, "Complex integration", Department of Mathematics, ANJA College, Sivakasi, 18 February, 2011.
108. Dr. R. Roopkumar, "Fourier analysis and its applications", VHNSN College, Department of Mathematics, Virudunagar, 17 February, 2011.
109. Dr. R. Roopkumar, "Problem solving technique in real analysis", Department of Mathematics, SBK College, Aruppukottai, 22 January, 2011.
110. Dr. R. Roopkumar, "Introduction to coding theory", Inauguration of UG Mathematics Association, Fatima College, Madurai, 21 July, 2010.

Faculty Presentation in workshop, National/International conferences

1. Dr. K. A. Germina, "dpd-graphs at the workshop on set-valuations of graphs, signed graphs and geometry", CMS Pala on 16-20, August 2010.
2. Dr. K. A. Germina, "dcsI-graphs", International Conference at St. Thomas College- Pala, 16-20, August 2010.
3. Dr. K. A. Germina, "More on Strongly indexable graphs", International Conference on Mathematics and Computer Science, , Loyola College, Chennai, 5-6 February, 2010.
4. Dr. Shaini P, "Fixed Point Theorems For Condensing Mappings Satisfying Leray-Schauder Type Conditions", International Conference on Analysis and its Applications, Aligarh Muslim University, Aligarh, 19-21 December, 2015.
5. Dr. Shaini P, "Fixed Point Theorems For various classes of 1-Set Contraction mappings", International Congress of Mathematicians, Hyderabad, 19-27 August, 2010.
6. Dr. Arjun K. Rathie, "Generalizations of Kummer's second theorem with application's in Bailey's results involving products of generalized hypergeometric series" International Conference on Mathematics, Allahabad, 31 December, 2010 - 4 January, 2011 .
7. Dr. Arjun K. Rathie, "On a new hypergeometric transformation", First International Conference on Mathematics and its Applications", Department of Mathematics, Dongguk University, Gyeongju, South Korea, 15-16 October, 2010.
8. Dr. Arjun K. Rathie, "A new proof of Watson's Theorem on the sum of a ${}_3F_2$ and its generalization", National Seminar on "Frontier of Mathematics and Applications", Calcutta Mathematical Society, Kolkata 27-28 March, 2010.
9. Dr. R. Roopkumar, "On extension of Gabor transform to Boehmians", UGC Sponsored National Seminar on Analysis and its Applications, Department of Mathematics, Catholicate College, Pathanamthitta, 8-9, December 2011.
10. Dr. R. Roopkumar, "Watson transform for Boehmians", 79th IMS Annual Conference, Rajagiri College of Engineering and Technology, Cochin, 28- 31, December 2013.

11. Dr. R. Roopkumar, "Ripplet transform for Boehmians", 81st IMS Annual Conference, Visvesvaraya National Institute of Technology, Nagpur, 27- 30, December 2015.

Project completed by Faculty members:

1. Dr. V. Vilfred, Principal investigator, A study on properties of sum and integral sum graphs, Funded by Department of Science and Technology -SERB, 17 July, 2012- 16 July, 2015 (Amount `10,81,200)/-.
2. Dr. K. A. Germina, Principal Investigator, Set-Valuations of Graphs and their Applications, Funded by Department of Science and Technology -SERB, 1 April 2006 to 31 March 2011. (Amount Rs. 30,77,660)
3. Dr. K. A. Germina, Principal Investigator Funded by UGC Distance Compatible Set Labeling of Graphs and Structure Knowledge, December 2010 to December 2012 (Amount: 1,60,000/-).

Student Participation in workshop, National/International conferences & Visit:

1. Aleena Philip, Summer research Programme, Indian Academy of Science, Institute of Mathematical Sciences, Chennai, May-June 2016.
2. Namitha C. H, Mathematical Training and Talent Search Programme, Indian Institute of Technology, Madras, 23 May -18 June 2016.
3. Liju. P, Mathematical Training and Talent Search Programme, SSN College of Engineering, Madras, 18 May -13 June 2015.
4. Jinto James, Workshop on Analysis, Algebra and Linear Algebra, St. Aloysius College, Thrissur, 11-13 April 2016.
5. Nageswara Rao K, Workshop on Understanding Mathematics, Central University of Kerala, Periyar, 03-05, March 2016.
6. Deepa K, Workshop on Understanding Mathematics, Central University of Kerala, Periyar, 03-05, March 2016.
7. Prajisha E, Workshop on Understanding Mathematics, Central University of Kerala, Periyar, 03-05, March 2016.
8. Deepa K, 28th Kerala Science Congress, University of Calicut, Malappuram, 28 - 30 January, 2016.
9. Prajisha E, 28th Kerala Science Congress, University of Calicut, Malappuram, 28 - 30 January, 2016.
10. Lakshmi Priya N, Advance Level Training Programme on Differential Equations, National Programme on Differential Equations: Theory, Computation and Applications, Birla Institute of Technology & Science, Pilani - K. K. Birla Goa Campus, 25 May - 14 June 2015.
11. John Joy, Postgraduate Level Training Programme on Differential Equations, National Programme on Differential Equations: Theory,

Computation and Applications, Indian Institute of Technology Kanpur, 18 May - 4 June 2015.

12. Sreya V. V, Postgraduate Level Training Programme on Differential Equations, National Programme on Differential Equations: Theory, Computation and Applications, Indian Institute of Technology Kanpur, 18 May - 4 June 2015.
13. Ramya Ramesh, Postgraduate Level Training Programme on Differential Equations, National Programme on Differential Equations: Theory, Computation and Applications, Indian Institute of Technology Kanpur, 18 May - 4 June 2015.
14. Deepa K, Annual Foundation School- II, Indian Institute of Science Education and Research (IISER) Thiruvananthapuram during 11 May - 6 June, 2015.
15. Prajisha E, Annual Foundation School- II, Indian Institute of Science Education and Research (IISER) Thiruvananthapuram during 11 May - 6 June, 2015.
16. Deepa K, Refresher course on Measure Theory, Kerala School of Mathematics, Calicut, 19-22 February, 2015.
17. Jinto James, Refresher course on Measure Theory, Kerala School of Mathematics, Calicut, 19-22 February, 2015.
18. Prajisha E, Refresher course on Measure Theory, Kerala School of Mathematics, Calicut, 19-22 February, 2015.
19. Deepa K, Kerala Science Congress, Alappuzha, 27-29 January, 2015.
20. Prajisha E, Kerala Science Congress, Alappuzha, 27-29, January 2015.
21. Jinto James, Workshop on Module Theory, Central University of Kerala, Periyar, 15-19, December 2014.
22. Nageswara Rao K, Workshop on Module Theory, Central University of Kerala, Periyar, 15-19 December, 2014.
23. Deepa K, Workshop on Module Theory, Central University of Kerala, Periyar, 15-19 December, 2014.
24. Prajisha E, Workshop on Module Theory, Central University of Kerala, Periyar, 15-19 December, 2014.
25. Jinto James, Seminar on Functions of multivariable calculus, Government College, Kasaragod, 02-05 December, 2014.
26. Nageswara Rao K, Seminar on Functions of multivariable calculus at Govt. College, Kasaragod, 02-05 December, 2014.
27. Jinto James, Refresher course on Topology, Kerala School of Mathematics, Calicut, 11-14 September, 2014.
28. Deepa K, Refresher course on Topology, Kerala School of Mathematics, Calicut, 11-14 September, 2014.

29. Prajisha E, Refresher course on Topology, Kerala School of Mathematics, Calicut, 11-14 September, 2014.
30. Liju P, Laksmi Gopi. C, Anumol. K.T, Aneesha. A, Sunisha V.V, Sreenath. B, UGC Sponsored National Seminar on New trends in analysis, Nehru College of Arts and Science, Neeleeswaram, Kasaragod 25 September 2014.
31. Jinto James, Refresher course on Functional Analysis at Kerala School of mathematics, Calicut, 14-17 August, 2014.
32. Nageswara Rao K, Refresher course on Functional Analysis, Kerala School of Mathematics, Calicut, 14-17 August, 2014.
33. Deepa K, Refresher course on Functional analysis, Kerala School of Mathematics, Calicut, 14-17 August, 2014.
34. Prajisha E, Refresher course on Functional analysis, Kerala School of Mathematics, Calicut, 14-17 August, 2014.
35. Lakshmipriya N, Mathematics Training and Talent Search Programme, Regional Institute of Engineering, Mysore, 19 May- 14 June, 2014.

Student Presentation in workshop, National/International conferences

1. Jinto James, Learning graphs and 1-uniform dcs1 graphs, International Conference on Mathematics, Physics and Allied Sciences", Carmel college, Goa, 3-5 March, 2016.
2. Nageswara Rao K, Constructions of 1-Uniform dcs1 graphs using Well-graded families of sets", International Conference on Graph Theory and its Applications, Amrita Vishwa Vidhyapeetham University, Coimbatore, Tamil Nadu, 16-19, December 2015.
3. Nageswara Rao K, Dimension of k-uniform dcs1 k-uniform caterpillar", International Conference on Recent Advances in Mathematical biology, Analysis and Applications, Aligarh Muslim University, Aligarh, June 4-6, 2015.
4. Jinto James, A Study on 1-uniform dcs1 graphs using wg-family of sets and its span, International conference in frontiers in mathematics, Gauhati University, Gauhati, Assam, during March 26-28, 2015.
5. Nageswara Rao K, Some problems on DCSL graphs, International conference in frontiers in mathematics, Gauhati University, Gauhati, Assam, during March 26-28, 2015.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Students of the Department created a video in Malayalam about four mathematicians for school students.
- The students planted trees in the campus to maintain eco-friendly and pollution free environment.
- The faculty and students organized programme for school children to motivate and develop scientific temper.

- Dr. V. Vilfred, Dr. Ali Akbar, Dr. R. Roopkumar and Dr. Gnanavel Soundararajan served as a Micro Observer for the General Election to KLA-2016 Kerala.
- Dr. Ali Akbar served as a preceding officer for the General Election to KLA-2010, 2011 Kerala.
- The faculty and students participated and donated Blood donation camp on 70th Independence Day.
- Dr. Shaini P assumes additional responsibility of wardenship of the Ladies hostel from January 2014 onwards.
- Dr. Shaini P organized sports, cultural events, yoga training, personality development programmes and competitions for the hostilities.
- Dr. Shaini P has taken students for South Zone Inter University competitions to Tumour University Karnataka.
- M.Sc. 2014-2016 Batch student visited Vikram Sarabai Space Centre - museum and witness rocket launching session at Thumba Equatorial Rocket Launching Station (TERLS) on 16 March 2016.

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Not yet.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Faculty (i) Published numerous research papers in various national/international journals of high repute and (ii) Invited to visit foreign Universities for collaboration on research work.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Major Strengths

- Academic autonomy.
- Availability of e- resources for teaching and research.
- Full-fledged computer lab with internet facilities and licensed software (MATLAB).
- Good rapport with student and teachers.
- Faculty with very good academic records.

Weaknesses

- Lack of sufficient number of faculty.

- Lack of sufficient rooms for teachers and students.
- Lack of meeting/ conference hall.
- Lack of office for the department.
- Lack of departmental library.

Opportunities and Challenges

- Absence of senior Faculty members.
- Running the department with the limited number of faculty.

52. Future plans of the department.

- Promoting the department to a world class basic learning and research centre.
- Organizing international conferences by inviting renowned Professors from different parts of the world.
- To promote extension activities.
- Form an Alumni Association and organize Alumni meet every year so that we may take advantages of their expertise time to time for our students.
- Collaboration with various national/international research groups.



SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF PHYSICS
(SCHOOL OF PHYSICAL SCIENCES)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department : Department of Physics
2. Year of establishment : 2010
3. Is the Department part of a School/Faculty of the university?
Yes, School of Physical Sciences (SPS)
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
PG, Integrated Ph.D. (discontinued) and Ph.D.
5. Interdisciplinary programmes and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programmes discontinued, if any, with reasons
Integrated Ph.D., Unable to accommodate students within the allowed strength of faculty members.
8. Examination System
Semester/Choice Based Credit System
9. Participation of the department in the courses offered by other departments
Students have the choice to enrol for any courses offered by other departments under CBCS.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	2	1	1
Asst. Professors	4	4	4
Others	0	0	0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years
Dr. K. J. Thomas	Ph. D	Professor	Condensed Matter Physics (Experiment)	18 years	1 (Ph. D) 2 On going
Dr. Vincent Mathew	Ph.D	Associate Professor	Condensed Matter Physics - Theory	15 Years	3 M.Phil. and 8 Ph. D 7 Ph.D (on going)
Dr. E. Prasad	Ph.D.	Assistant Professor	Nuclear Physics	5.5 years	2 M Phil 4 PhD On going
Dr. S. C. Sahoo	Ph.D.	Assistant Professor	Experimental Condensed Matter Physics	6.5 years	3 M.Phil. 5 Ph.D. (on going)
Dr.Swapna S Nair	Ph.D.	Assistant Professor	Experimental Condensed Matter Physics	10 Years	4 M.Phil. 7 Ph.D. (on going)
Dr. P.M. Aneesh	Ph.D.	Assistant Professor	Experimental Condensed Matter Physics	5.3 years	2 Ph.D. (on going)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information :

Programme	% of Classes Taken by Temporary Faculty
M.Sc	10%
Ph.D.	Nil

14. Programme-wise Student Teacher Ratio :

Programme	Student Teacher Ratio
M.Sc	6.3:1
Ph.D.	4.5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Category	sanctioned	filled	Actual*
Administrative Staff	1	1	1
Technical Staff	1	1	1

* Outsourcing staff

16. Research thrust areas as recognized by major funding agencies

Theoretical and Experimental Condensed Matter Physics, Photonics, Materials Science, and Nuclear Physics

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : a) 3 faculties b) Nil c) 84.56 Lakhs.

Funding agency	Project Title	Grants received
UGC	Synthesis, Structural and Magnetic Correlation Studies of Magnetic Nanoparticles	5.4 Lakhs
IUAC	Stabilizing effects of shell closure in fusion reactions	6 Lakhs
UGC	Fabrication of a Lead free piezoelectrics for energy harvestors	5.4 Lakhs
DST	Niobate based magnetoelectrics for Energy applications	22.2 Lakhs
DST	Novel Lead free 1-D magneto electrics based on Niobates and Metglas and optimisation of their properties fornanocantilevers and field sensor applications	22.56 Lakhs
DBT	Role of Copper handling proteins in Cisplatin Drug resistance	23 Lakhs

18. Inter-institutional collaborative projects and associated grants received

1. National collaboration and Associated grants: Stabilizing effects of shell closure in fusion reactions (UFR grant from IUAC)- 6 Lakhs

b) International collaboration: 8

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : Nil

20. Research facility / centre with

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Publication	Number
Number of Papers Published in Peer Reviewed Journals (National /International)	126
Monographs	0
Chapters in Books	10
Edited Books	2
Books	1
Total Number of Books	3
Number listed in International Database	-
Citation Index (Range)	85-575
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	1-35
h-index (Range)	6 -14

23. Details of patents and income generated :

Patent Details	Income Generated
1. Shiva Prasad, N. Venkataramani, Baidyanath Sahu , Subasa C. Sahoo, Krishnan Ramanathan, " <i>Method of Processing Co-Zn ferrite bilayers to achieve high magnetization</i> ", Indian Patent Application Number 3260/MUM/2015	Nil
2. Application Number: 1981/CHE/2007 (3 Patents pending)	

24. Areas of consultancy and income generated :

Area of Consultancy	Income Generated
Nil	Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions industries in India and abroad : 6

26. Faculty serving in

- National committees: One
- International committees: Nil
- Editorial Boards: Nil
- Any other (please specify) : Five (Member of Professional Bodies: IEEE etc.)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. E. Prasad	83 rd UGC orientation program, Calicut University

Dr. E. Prasad	OHS training programme on Ionization safety by Australian National University
Dr. E. Prasad	OHS training programme on machine safety by Australian National University
Dr.S.C.Sahoo	Refresher Course in statistical physics , sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, and The National Academy of Sciences, India, Allahabad, held at Nehru Science and Arts College, Kanhangad, Kerala
Dr.S.C.Sahoo	Orientation Programme, ASC, Utkal University
Dr.Swapna S Nair	Orientation Programme, ASC Kannur University
Dr.Swapna S Nair	SEM Training, Ciceco Porugal
Dr. Swapna S Nair	Refresher course, ASC, Kannur University
Dr. P. M. Aneesh	Training course on safety aspects in the research applications of ionizing radiation conducted by the IARP, BARC Mumbai

28. Student projects

Faculty	
Awardee	Award
Dr. K. J. Thomas	EPSRC Senior Research Associate 2012, UK
Dr. E. Prasad	Australian Research Council Fellowship for higher research, Australian National University, Canberra
Dr.S.C. Sahoo	Visiting Scientist, Electronic Materials Center, Korea Institute of Science and Technology, Seoul, South Korea
Dr.Swapna S Nair	1. FCT-EU/POPH Bolsas BPD Grant for post doctoral studies (International fellowship, contract for 6 years) (joined on 1st Jan 2012))
Dr.Swapna S Nair	2. Best presenter award, EMF 2011, Bordaue France
Dr.Swapna S Nair	3. DST travel grant for attending Conference at USA, 2015
Dr. P. M. Aneesh	ENEA International Fellowship for postdoctoral research, Italy
Dr. P. M. Aneesh	DST Postdoctoral fellowship, IISER Trivandrum
Doctoral /Post-Doctoral fellows	
Awardee	Award
Chithralekha	Project under DST Women Scientist Scheme
LevnaChacko	INSPIRE Fellowship
Susha N.	INSPIRE Fellowship
Prabhash P. G.	KSCSTE Fellowship,
Prabhash P. G.	Marie Curie Fellowship

Dileep K. V.	KSCSTE Fellowship
Shareef M.	KSCSTE Fellowship
M.Sc Students	
Awardee	Award
Vishnu P. K.	INSPIRE Fellowship
Sebastian Thomas	HES Scholarship
Sebastian Thomas	KSCSTE Fellowship
Lakshmi S. R.	INSPIRE SHE Fellowship for Higher Education
Sharath N	UGC-CSIR NET All India Rank No:1

- percentage of students who have done in-house projects including inter-departmental projects : 100%
- percentage of students doing projects in collaboration with other universities/industry / institute :12%

29. Awards / recognitions received at the national and international level by

- Doctoral / Post-Doctoral Fellows :
 - Project under DST Women Scientist Scheme: 1
 - NET- 9
 - GATE- 2
 - KSCSTE fellowship- 4
 - Inspire Fellowship-2
 - Moulana Azad Research Fellowship-1
- Students :
 - NET- 3
 - GATE- 6
 - JEST-2

30. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any

Nil

31. Code of ethics for research followed by the departments :

Following the guidelines of Central University of Kerala.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc		8	8	100	100
Integrated Ph.D.		2	5	100	100
Ph.D.	30	13	11	-	-

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from other universities outside the State	% of students from other countries
M.Sc	0	96%	4%	0
Integrated M.Phil-PhD	16%	92%	8%	0
Ph.D.	18%	96%	4%	0

33. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

26

NET- 12

GATE- 8

JEST-2

KSCSTE fellowship- 3

DST Inspire Fellowship-2

Moulana Azad Research Fellowship-1

34. Student progression

Student progression	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil.	10
PG to Ph.D.	9
Ph.D. to Post-Doctoral	4
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	5
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	0
from other universities within the State	50
from universities from other States from universities	33
outside the country	17

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library : 6 Computers for Student’s references, Reading Room, WI-fi in Campus
- b) Internet facilities for staff and students : Available in offices, classrooms and laboratories
- c) Total number of class rooms : 3 class rooms
- d) Class rooms with ICT facility : 2
- e) Students’ laboratories : 4
- f) Research laboratories : 6

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Doctoral students	Post-doctoral students	Research Associates
Shareef M	Nil	Nil
Subha A		
Anumol C N		
Chithra M		
Laveen P V		
Nirmala Maria D’souza		
Salini K		
Shamlath K		
Blessy Babuty		
ChitraLekha C S		
Shalini M G		
Susha N		
Vivek S		

Emmanuel Tom		
Mamidi Kartheek		
Prabhash P. G.		

b) from other institutions/universities

Doctoral students	Post-doctoral students	Research Associates
Ajith R	Nil	Nil
Ajith Kumar K		
Susheel Rahul K		
Thomas Mathew		
Ajith S Kumar		
Levna Chacko		
Sreejith K P		
Visakh A C		
Raj Kishor C H		
RakeshRamachandran		
JeswinMammenRaju		

40. Number of post graduate students getting financial assistance from the university: 29students.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Expert committee reports, consultative committee reports, workshops/, Academic committee approval and executive committee approval.

42. Does the department obtain feedback from

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : The board of studies considers the suggestion from the faculties and modifies the curriculum.
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Students are giving feedback after each semester and department will consider it to improve the performance of the department.
- alumni and employers on the programmes offered and how does the department utilize the feedback? Alumni is in the formation period.

43. List the distinguished alumni of the department (maximum 10) : Students have joined as assistant professors in colleges and for Ph.D in various prestigious institutions.

Emmanuel Tom- Assistant Professor

Prabhash P. G. – Marie Curie Fellowship 2016

Mohammed Razi – PhD in PondicherryCentral University

Sisira R Suresh – PhD Position in University of British Columbia, Canada

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Department conducts seminars b Ph. D Students and M. Sc students, as well as special lectures involving external experts

Lecture Series- Prof. L. M. Kukreja, RRCAT Indore	18-19 February 2015
Work shop on Nanoscience synthesis, characterisation and applications	9 th October 2014
International workshop on nanomaterials synthesis & characterisation	24 – 27 September 2012
One day Workshop on Computer Interfaced Physics Experiments	15 th December 2011
Seminar by Dr. V. Bhat, SRM University	6 th September 2016

45. List the teaching methods adopted by the faculty for different programmes. : Demonstrations, seminars, workshops, laboratory experiments, quiz, assignments etc.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Many students have cleared NET, GATE and other competitive examinations.
47. Highlight the participation of students and faculty in extension activities:
Women Cell Chair Person, University Complaints Committee Chairperson, Resource person, Invited Speakers in national/international conferences, Organizer of conferences, workshops by collaborating with other institutions.
48. Give details of “beyond syllabus scholarly activities” of the department:
Ph.D. Viva-Voce examination, Question paper setter of other universities, Chairman of the question paper setter, Reviewer of International Journals, Invited Lectures in National and International Conferences and Workshops, Actor in Short Film and Documentary on Environmental Initiatives.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. :
No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
Faculties of the Department have published more than 100 International Publications in the last 5 years, Curriculum aimed at imparting strong problem solving skills in students, Communication and Presentation skills, Involving M. Sc students in research projects.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. : Internationally competing research activities, students’ performance in

competitive exams, Publication of research papers, external funds through projects:

Strengths

1. Faculties of the Department have published more than 100 International Publications in the last 5 years.
2. International Exposure for All Faculties
3. Post-Doctoral Experience for All Faculties
4. Students regularly qualify competitive examinations such as GATE, NET, JEST, KSCSTE, and have secured prestigious international fellowships.

Weaknesses

1. As University is still in its infant stage, the formation of an alumni is yet completed
2. Requirement of more administrative support
3. Continuous internal evaluation will be more effective to evaluate the performance of students
3. Separate financial and purchase guidelines for running research projects will be more effective.

Opportunities

Students are encouraged to attain international standards in their learning and research attitude.

1. Range of experienced teaching staff who have extensive overseas exposure

Challenges

1. Training students from backward areas
2. Strong encouragement on GRE/TOEFL/GATE/NET and other competitive examinations

52. Future plans of the department.

- A full-fledged Department is envisaged with modern infrastructure facilities as well as sophisticated scientific equipments to meet international standards of research in theory and experiments.
- Collaboration with various national/international research groups
- Research grants from various funding agencies and establishing academic industry collaborations, technology transfers, knowledge transfers etc.
- Outreach programmes to be planned in local higher secondary schools.
- Establishing Research centres in applied areas of physics like materials science, Nanoscience, photophysics etc.
- Conducting National/international conferences, workshops, lectures etc. for discussing the recent technologies in the field of science and discussion with experts from various parts of the world.
- Improvement of all academic and residential facilities for attracting more international students.

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

DEPARTMENT OF SOCIAL WORK
(SCHOOL OF SOCIAL SCIENCES)

SELF STUDY REPORT

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

Department of Social Work

1. Name of the Department: **Department of Social Work**
2. Year of establishment: 2012
3. Is the Department part of a School/Faculty of the university?
Yes. The Department is a part of the School of Social Sciences
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)
Master of Social Work (MSW) & Ph.D. In Social Work
5. Interdisciplinary programmes and departments involved
Not Applicable
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
Not Applicable
7. Details of programmes discontinued, if any, with reasons:
Not Applicable
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Choice Based Credit and Semester System
9. Participation of the department in the courses offered by other departments
Department is planning to offer open elective courses for other departments
10. Number of teaching posts sanctioned, filled and actual:

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	4	4
Others			0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph.D./M.Phil Guidance
Dr. Jilly John	MSW, Ph.D NET & JRF	Asst. Professor	Medical and Psychiatric Social Work	14	Ph.D. – 2
Dr. Renjith R Pillai	MSW, Mphil, Ph.D & NET	Asst. Professor	Medical and Psychiatric Social Work	9	Ph.D. – 1 Mphil-1
Dr. Dilip Diwakar	MSW, Mphil, Ph.D & NET	Asst. Professor	Community Development	12	Ph.D. – 2
Dr. Laxmi	MSW, Ph.D & NET	Asst. Professor	Community Development	15	--

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Prof. Lal Das (Hyderabad)

Prof. Gracious Thomas (IGNOU, Delhi)

Prof. Udaya Mahadevan (Loyola, Chennai)

Prof. P K Gosh (Viswabharathi, West Bengal)

13. Percentage of classes taken by temporary faculty – programme-wise information

Programme	% of Classes Taken by Temporary Faculty
MSW	100% (2012-15)
Ph.D.	Not Applicable

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
MSW	14:1
Ph.D.	5:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff Type	Sanctioned	Filled	Actual
Academic support staff (Technical)	1	0	0
Administrative staff	1	1	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Not Applicable

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing Research Projects	International	-
	National	2
Total grants received (in `)		8,64,600/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Laxmi	Disaster management from social work perspective	UGC	60,000
Dr. Jilly John	Impact of child Mental Health orientation programme for parents through neighbourhood group: A comparison between Kerala and Karnataka (2012-15).	UGC	8,04,600/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Not Applicable	Not applicable
	Total Grant Received	
National	Not Applicable	
	Total Grant Received	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Project Type	Project Title	Grant Received
Memorandum of understanding	Memorandum of understanding between District Suchithwa Mission, Kasaragod and Dept. of Social Work, CUKerala, collaborative programme in Open Defecation Free Campaign.	District Suchithwa Mission is taking care of the expenditures related to the project

20. Research facility/Centre with

Recognition Type	No	Name of the Facility
State recognition	0	Not applicable
National recognition	0	Not applicable
International recognition	0	Not applicable

21. Special research laboratories sponsored by/created by industry or corporate bodies

Laboratory Facility	Sponsoring Agency
Not applicable	Not applicable

22. Publications:

Publication	Number	
Number of Papers Published in Peer Reviewed Journals (National /International)	46	
Monographs	0	
Chapters in Books	15	
Edited Books	2	
Books	ISBN	Publisher
Prof. Vani K. Borooah, Nidhi Sadana Sabharwal, Dilip Diwakar G, Ajay Naik, Vinod Mishra. Caste, Exclusion and Discrimination in Modern India	9789351502678	New Delhi: SAGE
Laxmi Women Empowerment through Self Help Groups	9789380626642	Prateeksha Publications, Jaipur

R. Parthasarathy, Jane Henry, Bino Thomas, Renjith R. Pillai (Editors) "Psychosocial Wellbeing of Children"	9788184655766	Prasanna counseling Centre
Sunil D Santha, Yamuna Sandrine Bonin, Renjith R. Pillai (Editors) Proceedings of the First Annual International Conference on ICSTSD	--	Amrita University
Dr. Jilly John, N V Amrutha An introduction to Child Mental health	-	Supported by university Grant Commission, New Delhi
Total Number of Books		4
Number listed in International Database		8
Citation Index (Range)		6
Source Normalized Impact per Paper (SNIP)		-

23. Details of patents and income generated

Patent Details	Income Generated
Not Applicable	Not Applicable

24. Areas of consultancy and income generated

Area of Consultancy	Income Generated
Not Applicable	Not Applicable

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad.

Not Applicable

26. Faculty serving in

Faculty Serving in	Number
National committees	NA
International committees	NA
Editorial Boards	Dr. Jilly John is an editorial board member of SELP Journal of Social Science
Any other (please specify)	Dr. Laxmi, Member of Internal complaints committee of Infosys Mysore & Member of Internal complaints committee of L&T Mysore

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of the Faculty	Programme attended
Dr. Jilly John	Participated in Refresher course on Gender Studies organized by Academic staff college, Maulana Azad National Urdu University, Hyderabad from 1 st to 21 st of February 2016 Participated in Orientation course for Lectures organized by Academic college Himachal Pradesh University, Shimla from 4 th April to 30 th April 2011
Dr. Laxmi	Participated in Orientation course for Lectures organized by Human Resource Development Centre University of Mysore from 17 th June to 14 th July

28. Student projects

Name of the Faculty	% of Students
Percentage of students who have done in-house projects including inter-departmental projects	100
Percentage of students doing projects in collaboration with other universities/industry/institute	Not Applicable

29. Awards/recognitions received at the national and international level by

Faculty	
Awardee	Award
-	1
Doctoral /Post-Doctoral fellows	
Awardee	Award
-	NA

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Event	Date	Source of Funding	Outstanding Participants
One day workshop on Inter-sectoral collaboration in the areas of health, environment & waste management	07/08/13	CUK	Mr. NA Nellikkunn, MLA, Mr. Shashidhara IAS, Director, IAD, Mrs. Syamala Devi, District Panchayat President, Dr. Narahari (Director, Institute of applied

			Dermitology)
One day Human Rights training at CUK, Vidyanagar	13/12/13	CUK	Justice Cyriac Joseph, Member of National Human Rights Commission, New Delhi
One day seminar on Biodiversity Conservation conducted as part of National Environment Awareness Campaign 2013-14	04/03/14	Ministry of Forestry and Environment	Mrs. Leelakumariamamma (Social Activist)
Vikasanam"-The First National Convention of Departments of Social Work of Central Universities in India	22 to 24 Feb 2014	CUK	Prof. P. K Ghosh, ViswaBharathy University, West Bengal
Seminar on Mental Health of Youth & arranged for students of CUK and street drama on stigma & discrimination on Schizophrenia	10/10/14	CUK	Dr. Sunny Mathew, Psychiatrist, District Hospital, Kasaragod
International Women's Day observance at CUK	06/03/15	CUK	Prof. Zahira M, (Head, Dept. of English, SS College, Area code), Dr. C. Sreepriya, Principal, LISSAH College, Kozhikode, Mrs. Preetha, (Advocate, High Court of Kerala), Mrs. Rejina (Journalist, Madhyamam
A One day activity based Workshop on Enhancing Social Work Competency	29/2/2016	CUK	Mr.Thaddeus Alphonso [Associate Director, Niraivagam, Chennai], Prof.(Dr) M.S.John
World population day observation in CUK	11/7/2016	CUK	Dr. A. Muralidhara Nalluraya,Dr. M.C. Vimal Raj,Prof. (Dr) M.S John

31. Code of ethics for research followed by the departments

Department Research Committee (DRC)

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MSW	-*	57	63	100	100
Ph.D.	32	5	-	NA	NA

* Data unavailable as admission happens via CUCET coordinate by Central University of Rajasthan

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
MSW	NA	95%	5%	0%
Ph. D.	NA	80%	20%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
JRF	3
NET	8

35. Student progression

Student progression		Percentage against enrolled
PG to M.Phil		1
PG to Ph.D		2
Employed	Campus selection	NA
	Other than campus recruitment	100%
Entrepreneurs		NA

36. Diversity of staff

Percentage of faculty who are graduates of	
The same university	Not Applicable
Universities within the State	50%
Universities from other States	50%
Universities outside the country	Not Applicable

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Degree	Number of Faculty
M.Phil.	Not Applicable
D.Sc.	Not Applicable
D.Litt.	Not Applicable

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Available	Facility
Library	Adequate number of books have been recommended by the faculty council of the department time to time, which are acquisitioned by the main library	
Internet facilities for staff and students	All faculty and students have access to Wi-Fi Internet access	
Total number of class room	3	
Class rooms with ICT facility	3	
Students' computer lab	9 (Computers)	
Research laboratories	-	

39. List of doctoral, post-doctoral students and Research Associates

Awarding Institution	Number of PDF/RA
From the host institution/university	Not Applicable
Name of Doctoral/PDF students or RA	Advisor
1. Aneesh M S	
2. Vishnu K Santhosh	
3. Visakh Viwambaran	
4. Raneesh C	
5. Mani	
From other institutions/ universities	Not Applicable
Name of Doctoral/PDF students or RA	Advisor

40. Number of postgraduate students getting financial assistance from the university.

MSW: 71/120

PhD : Proposal is in process for 4 PhD Scholars out of 5

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Based on the expert committee recommendations, the consultative committee develops the curricula and syllabi through interactive

seminars and workshops, which is submitted to the academic council and EC for the final approval of the programme.

42. Does the department obtain feedback from

- (a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

After every academic year, the faculty council of the department meets and proposes necessary changes in the curriculum and syllabus, which is submitted to the AC for approval

- (b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, The department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods

- (c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

YES, the outgoing students were asked to give proposals for any necessary changes in the Syllabus that was taught to them in the farewell program.

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- i. Two day personal growth workshop for 1 Sem MSW students
- ii. Ten day class on social work and case work for 1sem MSW students by prof. Gracious Thomas, Dr. Rose, Dept.of Social Work, IGNOU, Delhi
- iii. 10th Annual National Seminar on Social Work Response to HIV/AIDS conducted 28 to 31 Jan 2013 and was jointly funded by IGNOU & Central University of Kerala
- iv. One day seminar on biodiversity conservation conducted as part of national environment awareness campaign 2013-14` on 4/3/14
- v. Seminar on mental health of youth and street drama on stigma & discrimination on schizophrenia as part of World Mental Health Day Observance.
- vi. Five day workshop for 11 Sem MSW on research methodology and SPSS by Prof. Lal Das, Hyderabad

- vii. Two day workshop for II Sem MSW on Quantitative Research by Prof. M. Kannan, Trichy
- viii. Two day workshop on Transactional Analysis-basic II Sem MSW students by Mr. K. A. Sebastian, ICTA Kochi
- ix. Two day workshop for III Sem MSW on Participatory & Qualitative Research by Prof. M. A. Sudhir, Gandhigram 8. Workshop on Finishing tool (Interview skills, C. V writing and Group Discussion) IV Sem MSW students, Ms. Sucharit Hota, IIM trainer.
- x. A One day activity based Workshop on Enhancing Social Work Competency
- xi. Workshop on Personal Growth for social work students
- xii. One day workshop on inter-sectoral collaboration in the areas of health, environment & waste management

45. List the teaching methods adopted by the faculty for different programmes.

MSW:

- Power point lectures
- Documentary presentation
- White-board and marker pen,
- Paper discussion
- Student Presentations
- Group discussion
- Field work
- Role play
- Paired discussion
- Quiz
- Short film
- Journal club
- Test papers

Ph.D: PowerPoint Lectures, Student presentations, Paper discussions, Assignments, Examinations, Field Course.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Sl No	Theory	Practical	Over All
1	Seminar	Self Presentation	Internal Evaluation
2	Group discussion	External evaluation	External Evaluation
3	Paired discussion	Daily field work report	
4		Consolidated field work report	
5		Individual and Group Conferences	
6		Student evaluation	

47. Highlight the participation of students and faculty in extension activities.

Students have participated in various community outreach programmes as part of their social work

- A Medical Awareness about Chest Diseases was conducted to create better awareness about Lung diseases such as tuberculosis, asthma and other chest allergies and to equip the community members with knowledge about handling them. The programme was conducted in Government higher secondary school in Bandadka on 19/02/2013 by Akhila K P. The students got assistance from Dr Narayana Pradeep, the chest specialist from Carewell Hospital and research centre, Nullipady, Kasaragod. The programme explained preventive and curative solutions available for Chest infections such as DOTS. The hospital also sponsored a free medical check-up. 38 members from the community participated in the programme.
- A poster presentation which dealt with issues such as the need woman empowerment and the need to end gender discrimination was conducted by students. The programme was conducted on 07/03/2013. Current status of women in our country was discussed with the help of charts. General public, CDS members, local political figures, panchayat

authorities and staffs all came to the poster presentation and participated in the event.

- A sexual education class given to the adolescent girls in Anganavadi Nellikunnu Panchayat, Kasaragod. The class was taken by the district health inspector Mr. Ashraf. The programme aimed to create awareness sexuality and how to deal with issues related to it. It also covered topics about hygiene during the menstrual cycle, and to make clear about the concept and importance of menstruation, taking care of their health during this period etc. The class was attended by 25 girls.
- An awareness about Filariasis, a parasitic disease which was a very common in Periyadduka was conducted in Hidayathu Swabiyan Madrasa in Periyadduka. The class was conducted by the resource person named Mr Manikandan. He explained about filariasis, its types and causative factors. He also talked about the importance of hygiene in combating the spread of such diseases. The class also dealt with the preventive and cautionary measures that could be adopted against seasonal diseases. The programme took place on 31/03/2013
- Students used crime mapping techniques to analyse 30 households in Angoor Panchayat to map the crime incident patterns happening against women. Crime mapping is used by analysts in law enforcement agencies to map, visualize, and analyse crime incident patterns. The initiative was supported by kudumbasree district mission. Further descriptive analysis was done on the collected data and was handed over to Kudumbasree. The process was performed over two days, on 13th and 15th February in 2013.
- Student organised blood donation camp and awareness programme creation about the need and importance of blood donation. A free check-up was provided to every person who got registered. The programme was conducted in Defense club in Thalangara on 06/04/2013
- A session about the topic “Adolescent girls awareness” was taken by Mrs Cicily John, Lecturer of Central university of Kerala. It provided all round information about adolescent girls in the areas of Education, Health, Hygiene, Sexuality etc. The session was attended by 30 members. It also featured a doubt clarification session. It was conducted in Bangod on 11/04/2013
- A basic IAS orientation was conducted which aimed to motivate the school children to aim high in their studies. The session was conducted by Rafi, an IAS aspirant studying in Delhi. Along with providing an orientation about how to prepare for big competitive exams he also included several games and success stories to keep the students interested. The programme was conducted in Hidayathu Swabiyan Madrasa in Periyadduka.
- A registration drive for National Rural Employment Guarantee Programme after finding that the residents of Neduvottupara ST Colony was largely ignorant about that programme at that time. Students

conducted a wide scale registration drive for the programme. The programme, its date and venue was publicized through home visits in days prior to the event. 40 members of the community got the benefits from the programme

- A sexual education class was given to the adolescent girls in Bilal Nagar Anganwadi. The class was taken by the junior health inspector from district vector borne disease control unit, Mr. Ashraf. The programme aimed to create awareness sexuality and how to deal with issues related to it. It also covered topics about hygiene during the menstrual cycle, and to make clear about the concept and importance of menstruation, taking care of their health during this period etc. The class was attended by 18 girls.
- Students conducted skill development classes to students of M.M.U.P school in Kaikotukadavu. Since it was aimed at developing skills of school children, emphasis was given to interpersonal skills and development of their communication skills. Activities that improve their academic progress was also focused. Three sessions of skill development was given to the students.
- The programme named 'Prabhodini' aimed at providing orientation about adolescence and about the mental and physical changes occurring at that transition period. The session dealt with the physical, sexual and emotional challenges that would come up during the transition and methods to overcome them. The programme was conducted for the benefit of adolescent girls in Anangoor village in Kasaragodu.
- An awareness class for for the community about cancer named "cancer care" was conducted by the second semester MSW students of Central University of Kerala was inaugurated by the Health Inspector Mr. Madhu, on 23rd April 2016 at 2.00 pm. Dr. Aswanth MBBS, Mr. Madhu Health Inspector Ajanoor Panchayath acted as the Resource persons. The programme was conducted in Deepam club, Kolayayal on 23/04/2016.
- A community awareness programme about pre-monsoon preparedness against diseases was conducted on 23/04/2016. Mr. Hameed A, Junior Health Inspector, FWC Chittari. As a follow up procedure the health inspector divided Kudumbasree members and assigned them into several squads and each squads were assigned the duty of a particular area in a particular ward for cleaning up purposes.
- An awareness programme about Sanitation and Hygiene among adolescent girls was conducted by the second semester MSW students of Central University of Kerala on 20th April 2016 at 2.00 PM. at Anganwadi in Ajanur Kadappuram. Remeshan, Junior Health Inspector of Ajanur PHC was the resource person in charge.
- A awareness class for adolescent girls , nursing mothers for the subject of menstrual hygiene, nutrition and child health was conducted in ICDS Centre in Keloth on 18th April 2016. Two sessions were taken by Mrs.Rethi, School Health Nurse in Keloth and Mrs. Bindhu ,School Health counselor in Keloth.

- A community awareness programme was organized on Lifestyle diseases Puthiyakkadam . The programme was organized in G.U.P.S Puthiyakkadam. Invitation for the programme has done by the help of Anganwadi worker ,JPHM, and Junior Health Inspector. Kudumbashree functionaries also were effectively used for organizing the programme. The stage arrangements were took place with the help of co-trainees and with the community members.
- An exam oriented Motivational class for SSLC students at Govt. Higher Secondary School Periyar was conducted by the MSW students of Central university of Kerala. It aimed to prepare them for the public examination to improve the level of self-confidence. Dr. Efthiqer Ahammed, Assistant Professor of Dept of English and Comparative Literature in Central University of Kerala was the resource person. The programme took place on 23rd -Feb- 2016.
- Students of department of Social work organized a Community Outreach Programme at ITI, Pullur. The awareness class was on the topic “Road Safety Through Personality Development”. The class was taken by Mr. Muhammad Farooque. K, trainer of Amana Toyota, Malabar region, who had seven years experience of training sessions across Kerala for college students, various institutions, police department, etc. He won appreciation from Kerala Police Department, Motor Department and various NGO’s. The area of Pollakkada and Pullur are highly accident prone area and this programme aimed as an intervention to that problem.
- The medical camp with the collaboration of government homeo dispensary was conducted by the social work trainees of Central University of Kerala on 19/04/2016 at Govt. UP School Ayambara. 52 members from the community made use of the opportunity.
- Kudumbashree mission seeks to eradicate absolute poverty through concerted community action under the leadership of local governments, by facilitating organization of the poor for combining self-help with demand-led convergence of available services and resources to tackle the multiple dimensions and manifestations of poverty Kudumbashree strives to develop the model of a micro finance led financial security process into a more comprehensive model of local economic development under the aegis of local governments. Two students of second semester batch of 2013-2015 worked in the institution. The trainee was given orientation about different programmes under taken by kudumbashree mission. Trainee also worked closely with Nirbhaya Project and BUDS – Special School For Mentally & Physically Challenged Children- sponsored by Kudumbashree. Students were assigned to balasabha project, a capability enhancement of children. Balasabha involves creation of small Learning Groups for experimental and systematic learning and provides opportunities for understanding democratic process, participation in conserving environment thereby creating a better next generation.

Summer Internship

- Two students of 2012-2013 batch were placed in Asha Nivas Social Service Centre based on Chennai for their second semester placement. It seeks to address the issues of marginalized and exploited women, and children in difficult circumstances, particularly the street children and child laborers living in Chennai city slums. As part of the summer placement the student have worked for various programmes undertaken by the agency, which includes visits to pre-school, self help groups and boys shelter homes undertaken by the agency. The student was also part of the Anti drug campaign undertaken by the agency.
- GMR Varalakshmi Foundation is the Corporate Social Responsibility arm of the GMR Group. Three students of 2012-2013 batch were placed there as part of second semester placement. It's objectives are to develop social infrastructure and enhance the quality of life of communities around the locations that has the Group's presence. The most significant contribution during the placement was the assistance in the development of a module on environment for children enrolled in community schools using digital teaching- learning methodology. He has also visited tent schools and has been part of the implementation and documentation process of module. Besides this he got an exposure to vocational training programme for youth and orientation for corporate social responsibility.
- Pondicherry Multipurpose Social Service Society [PMSSS] is an NGO based in Pondicherry which focuses on empowering the poor, the deprived and the marginalized and also work towards creating a sustainable future. During the trainees tenure with the agency the trainee was oriented in different tasks undertaken by the agency such as prisoners rehabilitation, fraternal life service home works, refugee rehabilitation programmes etc.
- Mahatma Buds special school is an initiative started by the kudumbashree and panchayat in Periya to give care and assistance to the special children and to contribute to their welfare and development. Two students of second semester batch of 2012-2014 worked in the institution. Trainee upon completing the summer training was able to learn about the challenges and tasks of being a special school teacher.
- Helpage India is a leading Non Profit Organization in India caring for disadvantaged elderly senior citizens Upon working with the agency the student was orientation about different programmes aimed at improving the conditions of senior citizens in India. Help Age India provided training for two students of second semester batch of 2012-2014. The trainee also worked at the shelters provided to the senior citizens and worked for the campaigns undertaken by Help Age India.
- National Programme for Rehabilitation of Persons with Disability [Central Scheme] is a project aimed at prevention of disabilities and provision of comprehensive rehabilitation services, closer to the homes of

persons with disabilities. This is being done through a four-tier delivery system at Gram Panchayat (GP), Block, District and State levels. The trainee worked at district level, at the District comprehensive rehabilitation center. Two students of second semester batch of 2012-2014 worked in the institution. The trainees worked in several areas such as community awareness, pre-school training and intervention programmes, rehabilitation workers training at block level, assistive aid distribution and issuance of disability certificate.

- **Jalanidhi project** is a project undertaken by government of Kerala under The Kerala Rural Water Supply and Sanitation Project for facilitating better water resource management. The major objective of the organization being the sustained provision of adequate quantities of safe, drinking water to the rural poor, the focus on ensuring sustainability of source, sustainability of operations, adequacy of water and quality of water are equally important and are designed into components within the project design. Being a pivotal programme it provided immense opportunities for MSW graduates. 3 students were placed under this programme. Trainees has worked with the project implementation phase and worked for awareness creation. Trainees also worked in Participatory rural appraisal programmes conducted as part of the project. Trainees conducted poster making and painting competition for students in Puthige grama panchayat as part of the awareness programmes
- **Centre for Research and Development (CRD)**, a Registered Society which undertakes different activities such as an Integrated Watershed Management Programmes named Jeevanam, Sustainable Agriculture through Farming and Land Management programme called SAFALAM. It also undertakes several Livelihood Support Programmes, Human Resource Development programmes and Micro Insurance Programme. Two students of second semester batch of 2012-2014 worked in the institution. Trainees were engaged in several projects and capacity building programmes undertaken by the agency, Trainee was also engaged in several watershed programmes undertaken by the agency.
- **AJ hospital and Research Centre** is a pioneer institution of Karnataka. Two students of second semester batch of 2012-2014 worked in this organization. Trainees worked in this institution was given with opportunities to work with the medical social work department through which he able gather preliminary experience about the required duties prescribed to be performed by a medical social worker. Working in a professional hospital provided a hands on experience that will be useful for the future endeavours of the trainees. Trainee also undertook the casework and group work activities required for the medical social work specialization.
- **Academy of Medical Sciences**, popularly known as Pariyaram Medical College is one of the biggest Super Specialty Medical Institution in India. Two students of second semester batch of 2012-2014 worked in this hospital. This institution was focussed in discharging its duties to the public and trainee was given plenty of opportunities to work along with

the public health initiatives heralded by the hospital along with the medical social work department. Trainee also undertook the casework and group work activities required for the medical social work specialization.

- Father Muller Medical College is medical college in Mangalore. One student of Trainee worked in this institution was given with opportunities to work with the medical social work department through which he able gather preliminary experience about the required duties prescribed to be performed by a medical social worker. Trainee also undertook the casework and group work activities required for the medical social work specialization.
- Kannur Association for Integrated Rural Organisation and Support (KAIROS), the official organ of the Diocese of Kannur for Socio-Economic Development of the poor and marginalized is an NGO registered under the Society Registration Act XXI of 1860. Two students of second semester batch of 2012-2014 worked in the institution. Upon working with the the agency the trainee was given exposure into various activities of the agency such as rural entrepreneurship development programmes, capacity building initiatives, sanitation awareness etc.
- While undertaking field work training at Yenepoya medical college, trainee was assigned to various tasks such as medical camps, rural check-up. Two students of second semester batch of 2012-2014 worked in the institution. Trainees worked predominantly at the mental health care system of the hospital and participated in activities such as group therapy, counselling and also attended several seminars related to public health.
- Manaswini, Thunga Institute of Psychiatry & Counselling is a counselling center which provides a host of psychiatric services such as treatment to mentally ill patients, treatment to substance abuse victims, counselling of various types to general public. Two students of second semester batch of 2012-2014 worked in the institution. The trainee worked along with various activities of the institution and gained significant experience from the de addiction wing of the organisation. Trainee also undertook the casework and group work activities required for the medical social work specialization.
- Kudremukh Iron Ore Company (KIOCL) is a mining company which is rated as one of the top mining company in India. It is committed to client, customer and stakeholder satisfaction. Two students of second semester batch of 2013-2015 worked in the institution. Exposure to KIOCL provide students with skills and exposure that is necessary for working in the field of industrial social work.
- Integrated Child Development Services (ICDS) is a government welfare programme which provides food, preschool education, and primary healthcare to children under 6 years of age and their mothers. These services are provided from Anganwadi centres established mainly in rural areas and staffed with frontline workers. In addition to fighting malnutrition and ill health, the programme is also intended to combat gender inequality by providing girls the same resources as boys. During

the placement the student received orientation about the activities of the ICDS and the prominent role that the social work could dispatch. Two students of second semester batch of 2013-2015 worked in the institution. Trainee was also able to assist CDPO (Child Development Project Officer) in various tasks undertaken for community welfare.

- Kerala State Electronics Development Corporation Limited is a public undertaking by Kerala government. It focused of home appliances during its initial years, but now focusses on providing technological and electronic capacities needed for public infrastructure. Two students of second semester batch of 2013-2015 worked in the institution. Trainee gained the skills necessary to work in an manufacturing/ service sector from the field placement.
- Yenepoya medical college housed three trainees in second semester batch of 2012-2014. While undertaking summer camp training at Yenepoya medical college, trainee was assigned to various tasks such as medical camps, rural check-ups. Trainee worked predominantly at the mental health care system of the hospital and participated in activities such as group therapy, counselling and also attended several seminars related to public health.
- Bangalore Oniyavara Seva Coota (BOSCO), more commonly known as BOSCO is an NGO working with the Young At Risk in the city of Bangalore since 1980. While working with the NGO the student got exposure into different activities of the NGO such as rescuing children from street, conducting group work with them and worked in several staff positions to get acquainted with the staff structure and job responsibilities. Two students in 2012- 2014 got opportunity to work in the institution as trainees and gain experience from various community level intervention programmes conducted by the agency
- Montfort Community Development Society is a Non governmental organization working for child development, woman development, youth education, care for the aged and rehabilitation of the visually impaired. Two students of second semester batch of 2012-2014 worked in the institution. During the association with MCDS, the trainee was assigned to various Community Based Rehabilitation undertaken by the institution He have actively participated in the transit school programmes undertaken for the benefit of children in Chennai slums. He got orientation about various types of women empowerment programmes conducted by MCDS.
- Divya Disha is a Non Governmental organization working for the empowerment of children and young people. Two students of second semester batch of 2012-2014 worked in the institution. During the course of the summer placement the trainee had worked in various programmes of the agency such as child rights cell, rehabilitation institution and bala raksha campaign and girl child protection campaign.
- Aide-et-Action is an international NGO focussed in education sector. The main objective of the project is to ensure the quality learning for children through quality teaching. Four MSW students of 2014-2016 were

placed in the NGO. Students conducted school visits and community visits and was part of several programmes aimed at improving the standard of education. For understanding about the functioning and the child development (physical, emotional, intellectual), trainees conducted ICDS visits. Trainees have visited ILEAD job training centre which functions under Aide-et-Action. This Centre mainly focuses on providing training for the unemployed people and to appoint them in different sectors as employers after the training. There are 4 subjects like ITeS (Information Technology enabled Services), CR&R (Customer Relation & Retailing), Electrical and Hospitality. Social work trainees conducted one month training at Aide-et-Action. The internship programmes helped the trainees to develop their Organizational behaviour

- BEDROC is a civil society organisation was founded in January 1, 2007, in order to continue the project based post tsunami development interventions initiated by the NGO Coordination and Resources Centre (NCRC). The main activity of the organisation is rehab housing, child rights, water management and information dissemination and it also initiated several new activities as part of its vision “incubating innovative intervention”. Trainees who worked in BEDROC worked with different schemes, funds and other facilities to the poor children and their family for the betterment of children with the help of the Child Development Project Fund from Bangalore. They also had participated in street plays and community visits.
- Social work trainee was placed in Centre For Advocacy and Research (CFAR), Chennai as part of their internship programme. The organisation is a collective effort from Journalists, advertisers, researchers and publishers. The main focuses of the CFAR is on the needs and concerns of women, children, and the poor and marginalized communities. The focus was on a strong gender and development perspective given the growing influence that media was having in shaping public perceptions of gender and development. The primary task was to track what was being placed on media and find the dilemmas in the content, its projection and its messages. For this, the major focus in the beginning was to identify media discourse related to HIV and the key population in the six states. As per the internship objective trainees have done the following activities during the time period of one month. Two trainees were placed in CFAR. As part of the training programme the trainees visited CBOs working for Female Sex Work community and Transgender Rights Association
- Three MSW students of 2014-2016 batch conducted their Manasa Neuropsychiatric Hospital, Bangalore. While working in the institution the trainee could was oriented to various therapies like CBT, MET and so on and intelligence tests like FAB, ACE, WAPIS, as well. The orientation could be very helpful in the upcoming semesters and specialization and also concurrent fieldwork. Trainees got hands on experience about many psychiatric illness and their treatment methods.
- Socio Economic Education and Rehabilitation Society (SEERS) is an NGO working for children. As part of working with seers the trainees

worked in that organisation got chance to work with several programmes aimed at promoting the welfare of the girl child, street children etc.

- The Shola Trust is an NGO working in the area of Wildlife protection, The Trust is also working in the area of empowerment of tribal communities through education and employment. The NGO has also done many projects in the area of Lantana furniture, culture conservation and Education and awareness. Trainees who worked in that institution got orientation about wildlife legislation, and roles that a social work can discharge in the area of wildlife protection.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Community Living for 7 days,
- Awareness programmes & camps in Rural and tribal communities,
- Documentary film on Anti-liquor/addiction/smoking/sanitation hygiene campaign,
- Street theatre on current social issues
- Organic farming (2014-15)

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Not Applicable

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Not Applicable

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths	Weaknesses	Opportunities	Challenges
Team-work	Full-fledged department seminar hall	Multicultural student community	Dept. Not having full-fledged faculties
Library, Study tour, Field work, Community living Camp	Research scholars have no research room	Free access to internet	Not having separate cabin for faculties to have individual and group conferences with students
Teacher-student	Play ground	Free access to	

relation		internet	
Network with NGO's/ Institutions/Govt. Departments		Guidance and Counselling	
Job placement		Seminars and workshops	
Availability of PhD scholars			
Collaboration with local self-government, health and welfare department			

52. Future plans of the department.

- Centre for Adolescent Wellbeing' to work for the wellbeing of adolescents.
- Centre for Community Mental Health' to work for mental health in communities.
- Centre for University-Industry Interface' to foster collaborations with corporate world to harness their CSR resources and expertise to scale up the extension activities of the University.
- Anti-liquor/addiction/smoking/sanitation and hygiene Campaign.
- Green Club to promote organic cultivation & nature fraternity
- Collaboration with international universities and agencies.

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

**DEPARTMENT OF PUBLIC ADMINISTRATION
AND POLICY STUDIES**
(SCHOOL OF SOCIAL SCIENCES)

SECTION E
EVALUATIVE REPORT OF THE DEPARTMENTS

1. Name of the Department: **Public Administration and Policy Studies**

2. Year of establishment: 2016

3. Is the Department part of a School/Faculty of the university?

Yes. The Department is a part of the School of Social Sciences

4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

M.A Public Administration and Policy Studies

5. Interdisciplinary programmes and departments involved

None

6. Courses in collaboration with other universities, industries, foreign institutions, etc:

None

7. Details of programmes discontinued, if any, with reasons:

None

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester wise Choice Based Credit System

9. Participation of the department in the courses offered by other departments

None

10. Number of teaching posts sanctioned, filled and actual:

	SANCTIONED	FILLED	ACTUAL (INCLUDING CAS & MPS)
PROFESSOR	1	0	0
ASSOCIATE PROFESSORS	2	0	0
ASST. PROFESSORS	4	4	4
OTHERS			0*

*ACADEMIC COORDINATOR – 0 & GUEST FACULTY – 0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

NAME	QUALIFICATION	DESIGNATION	SPECIALIZATION	EXPERIENCE (YRS *)	PH.D./M.PHIL GUIDANCE
DR. ASHALEKSHMI B.S	M.A., PH.D	ASST. PROFESSOR	PUBLIC ADMINISTRATION CONCEPTS AND THEORIES	10	NIL
DR. DEVI PARVATHY	M.A., PH.D	ASST. PROFESSOR	PUBLIC POLICY CONCEPTS AND THEORIES	11	NIL
DR. GUGULOTHU SRINU	M.A., PH.D	ASST. PROFESSOR	ORGANISATIONAL THEORIES	0	NIL
DR. RAMA RAO BONAGANI	M.A., PH.D	ASST. PROFESSOR	STATE AND POLITICAL THEORY	1	NIL

*Including research experience from previous institute

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors.

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

PROGRAMME	% OF CLASSES TAKEN BY TEMPORARY FACULTY
M.A	NIL
PH.D.	NIL

14. Programme-wise Student Teacher Ratio

PROGRAMME	STUDENT TEACHER RATIO
M.A	6 : 1
PH.D.	NIL

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

STAFF TYPE	SANCTIONED	FILLED	ACTUAL
ACADEMIC SUPPORT STAFF (TECHNICAL)	0	0	0
ADMINISTRATIVE STAFF	0	0	2*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NUMBER OF FACULTY WITH ONGOING RESEARCH PROJECTS	INTERNATIONAL	0
	NATIONAL	0
TOTAL GRANTS RECEIVED (IN `)		0

FACULTY (PI)	PROJECT TITLE	FUNDING AGENCY	GRANT RECEIVED
DR. ASHALEKSHMI B.S	NIL	NIL	NIL
DR. DEVI PARVATHY	INTERNATIONALISATION OF HIGHER EDUCATION IN KERALA: A POLICY AND PERFORMANCE EVALUATION OF KERALA	KERALA STATE HIGHER EDUCATION COUNCIL	RS. 75,000

	UNIVERSITY, MAHATMA GANDHI UNIVEWRSITY AND COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY		
DR. GUGULOTHU SRINU	NIL	NIL	NIL
DR. RAMA RAO BONAGANI	NIL	NIL	NIL

18. Inter-institutional collaborative projects and associated grants received

COLLABORATION TYPE	PROJECT TITLE	GRANT RECEIVED
INTERNATIONAL	NIL	NIL
	TOTAL GRANT RECEIVED	NIL
NATIONAL	NIL	
	TOTAL GRANT RECEIVED	NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Nil

20. Research facility/centre with

RECOGNITION TYPE	NO	NAME OF THE FACILITY
STATE RECOGNITION	0	NOT APPLICABLE
NATIONAL RECOGNITION	0	NOT APPLICABLE
INTERNATIONAL	0	NOT APPLICABLE

RECOGNITION		
-------------	--	--

21. Special research laboratories sponsored by/created by industry or corporate bodies

LABORATORY FACILITY	SPONSORING AGENCY
NIL	NOT APPLICABLE

22. Publications:

PUBLICATION	NUMBER	
NUMBER OF PAPERS PUBLISHED IN PEER REVIEWED JOURNALS (NATIONAL /INTERNATIONAL)	33	
MONOGRAPHS	0	
CHAPTERS IN BOOKS	2	
CHAPTERS IN EDITED BOOKS	4	
EDITED BOOKS	0	
BOOKS	ISBN	PUBLISHER
NIL	NIL	NIL
TOTAL NUMBER OF BOOKS	0	
NUMBER LISTED IN INTERNATIONAL DATABASE	0	
CITATION INDEX (RANGE)	0	
SOURCE NORMALIZED IMPACT PER PAPER (SNIP)	-	
SCIMAGO JOURNAL RANK (SJR)	-	
IMPACT FACTOR (RANGE)	-	
H-INDEX (RANGE)	-	

23. Details of patents and income generated

PATENT DETAILS	INCOME GENERATED
NIL	NIL

24. Areas of consultancy and income generated

AREA OF CONSULTANCY	INCOME GENERATED
NIL	NIL

25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad.

Nil

NAME OF THE FACULTY	COUNTRY	LAB/INSTITUTION/INDUSTRY VISITED
NIL	NIL	NIL

26. Faculty serving in

FACULTY SERVING IN	NUMBER
NATIONAL COMMITTEES	NIL
	NIL
INTERNATIONAL COMMITTEES	NIL
EDITORIAL BOARDS	NIL
	NIL
ANY OTHER (PLEASE SPECIFY)	NIL

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

NAME OF THE FACULTY	PROGRAMME ATTENDED
DR. ASHALEKSHMI B.S	NIL
DR. DEVI PARVATHY	NIL

DR. GUGULOTHU SRINU	NIL
DR. RAMA RAO BONAGANI	NIL

28. Student projects

NAME OF THE FACULTY	% OF STUDENTS
PERCENTAGE OF STUDENTS WHO HAVE DONE IN-HOUSE PROJECTS INCLUDING INTER-DEPARTMENTAL PROJECTS	NIL
PERCENTAGE OF STUDENTS DOING PROJECTS IN COLLABORATION WITH OTHER UNIVERSITIES/INDUSTRY/INSTITUTE	NIL

29. Awards/recognitions received at the national and international level by

FACULTY	4
AWARDEE	AWARD
DR. ASHALEKSHMI B.S	T.V.PAUL AWARD
DOCTORAL /POST-DOCTORAL FELLOWS	4+1
AWARDEE	AWARD
DR. ASHALEKSHMI	PH.D AWARDED
DR. DEVI PARVATHY	PH.D AWARDED
DR. GUGULOTHU SRINU	UGC-POSTDOCTORAL FELLOWSHIP FOR SC&ST
DR. RAMA RAO BONAGANI	PH.D AWARDED
STUDENTS	
AWARDEE	AWARD
	NIL

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

EVENT	DATE	SOURCE OF FUNDING	OUTSTANDING PARTICIPANTS
NIL	NIL	NIL	NIL

31. Code of ethics for research followed by the departments

Nil

32. Student profile programme-wise:

NAME OF THE PROGRAMME	APPLICATIONS RECEIVED*	SELECTED		PASS PERCENTAGE	
		MALE	FEMALE	MALE	FEMALE
M.A.	58	14	9	100	100
PH.D.	NA	NA	NA	NA	NA

* Average for the assessment period

33. Diversity of students. Percentage of student from

Programme	Same University	Universities within the State	Universities Outside the State	from other countries
M.A	NA	87%	13%	0%
Ph. D.	NA	NA	NA	NA

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam/Fellowship	Number of Students
Civil Services	0
Defence Services	0
JRF	0
NET	0
SET	0
GATE	0
KSCSTE Ph.D Fellowships	0
Others	0

35. Student progression

STUDENT PROGRESSION		PERCENTAGE AGAINST ENROLLED
UG TO PG		NA
PG TO M.PHIL		NA
PG TO PH.D		NA
PH.D. TO POST-DOCTORAL		NA
EMPLOYEE	CAMPUS SELECTION	0
	OTHER THAN CAMPUS RECRUITMENT	0
ENTREPRENEURS		0

36. Diversity of staff

PERCENTAGE OF FACULTY WHO ARE GRADUATES OF	
THE SAME UNIVERSITY	0
UNIVERSITIES WITHIN THE STATE	50%
UNIVERSITIES FROM OTHER STATES	50%
UNIVERSITIES OUTSIDE THE COUNTRY	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

DEGREE	NUMBER OF FACULTY
M.PHIL.	1
D.SC	0
PH.D	4
D.LITT.	0

38. Present details of departmental infrastructural facilities with regard to

CATEGORY	INFRASTRUCTURE FACILITY AVAILABLE
LIBRARY	ADEQUATE NUMBER OF BOOKS HAVE BEEN RECOMMENDED BY THE FACULTY COUNCIL OF THE DEPARTMENT TIME TO TIME, WHICH ARE ACQUISITIONED BY THE MAIN LIBRARY
INTERNET FACILITIES FOR STAFF AND STUDENTS	ALL FACULTY AND STUDENTS HAVE ACCESS TO WI-FI INTERNET ACCESS
TOTAL NUMBER OF CLASS ROOM	2
CLASS ROOMS WITH ICT FACILITY	0
STUDENTS' LABORATORIES	0
RESEARCH LABORATORIES	0

39. List of doctoral, post-doctoral students and Research Associates

AWARDING INSTITUTION	NUMBER OF PDF/RA
FROM THE HOST INSTITUTION/UNIVERSITY	NIL
NAME OF DOCTORAL/PDF STUDENTS OR RA	ADVISOR
FROM OTHER INSTITUTIONS/ UNIVERSITIES	NIL
NAME OF DOCTORAL/PDF STUDENTS OR RA	ADVISOR

40. Number of postgraduate students getting financial assistance from the university.

M.A. Students: 13/23

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from:

(a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The faculty council of the department meets and proposes necessary changes in the curriculum and syllabus.

(b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the department evaluates the student feed-back to improve teaching, syllabus revision, and delivery methods.

(c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

NA

43. List the distinguished alumni of the department (maximum 10)

Not applicable

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Nil

45. List the teaching methods adopted by the faculty for different programmes.

M.A: We follow choice-based credit system for M.A Students are taking elective courses in the school of Social Sciences.

We follow, white-board and marker pen, videos, paper discussion, Student Presentations, in class and take-home assignments. We follow continuous assessment and end semester exams to evaluate the student performance. One of our faculty member, Dr.RamaRao Bonagani had visited to office of the Kasaragod District police chief on 19th September 2016 in order get practical exposure to teach his police state topic on his paper entitled “State and Political Theory” for an innovative teaching method purpose.

Ph.D: NA

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Our mandate is to foster the teaching skills of the M.A (Public Administration & Policy Studies) students. Therefore we have student seminar and discussions as part of our curriculum. As an evidence of our achieving the mission,

More than 60% of our M.A. (Public Administration & Policy Studies) students are preparing for Competitive examinations including Civil Service examination.

47. Highlight the participation of students and faculty in extension activities.

Nil (Newly Established Department)

Workshops and Training Sessions Conducted by Faculty

Other Activities

Nil (Newly Established Department)

48. Give details of “beyond syllabus scholarly activities” of the department.

NA (Newly Established Department)

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

Nil (Newly Established Department)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Nil (Newly Established Department)

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Our faculty are world-class; despite they did not have a foreign post-doc degree. They are highly competitive and comparable in terms of the production of research papers and in imparting the new knowledge to the students and generation of funds to the University.

Since the department offers a very basic course in (Public Administration & Policy Studies) we usually get maximum enrolment at M.A level. Our students are preparing better in competitive exams.

Most of our students are from poor background, and they have some social and economic hindrances to travel other places for their higher studies. So we are giving much orientation for competitive examination.

52. [Future plans of the department.](#)

- We aim to institute a centre, “Centre for Urban and Environmental Studies” in the department
- Moving from temporary Kuniya campus to permanent Periya main Campus.



CENTRAL UNIVERSITY OF KERALA
Tejaswini Hills, Periya, Kasaragod, Kerala - 671316

Ref:

Date:

DECLARATION

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Periya

Date:

Signature of the Head of the

Institution with seal



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

