

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

SUBMITTED TO



**NATIONAL ASSESSMENT &
ACCREDITATION COUNCIL**
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BANGALORE

BY



CENTRAL UNIVERSITY OF KERALA
केरल केन्द्रीय विश्वविद्यालय

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

[AUGUST 2015]

The background of the page is a photograph of a paved road on the left side, leading towards a building with a red roof. The road is bordered by a red brick curb. In the distance, there are green trees and a utility pole. The sky is blue with some white clouds. The text is overlaid on a white rectangular box with a light blue border.

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**EVALUATIVE REPORT
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SELF STUDY REPORT

SCHOOLS & DEPARTMENTS

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1. DEPARTMENT OF ANIMAL SCIENCE
2. DEPARTMENT OF BIO-CHEMISTRY AND MOLECULAR BIOLOGY
3. DEPARTMENT OF GENOMIC SCIENCE
4. DEPARTMENT OF PLANT SCIENCE

II. SCHOOL OF EARTH SCIENCE SYSTEMS

5. DEPARTMENT OF ENVIRONMENTAL SCIENCE

III. SCHOOL OF ECONOMICS

6. DEPARTMENT OF ECONOMICS

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VI. SCHOOL OF LANGUAGES & COMPARATIVE LITERATURE

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10. DEPARTMENT OF HINDI
11. DEPARTMENT OF LINGUISTICS

VII. SCHOOL OF LEGAL STUDIES

12. DEPARTMENT OF LAW

VIII. SCHOOL OF PHYSICAL SCIENCES

13. DEPARTMENT OF CHEMISTRY
14. DEPARTMENT OF COMPUTER SCIENCE
15. DEPARTMENT OF MATHEMATICS
16. DEPARTMENT OF PHYSICS

IX. SCHOOL OF SOCIAL SCIENCES

17. DEPARTMENT OF SOCIAL WORK

SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
ANIMAL SCIENCE**
(SCHOOL OF BIOLOGICAL SCIENCES)

SELF STUDY REPORT

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. :

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.

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

Yes. In Elective Courses with other departments in the School of Biological Sciences. The courses shared are ANS507: Ecology of Plant-Animal Interaction and ANS502: Biostatistics

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	3	3
Others			2*
*Academic Coordinator – 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	6	Ph. D. – 6 &M. Phil. – 2
Dr. L. Divya	M. Sc., M. Phil., Ph. D.	Asst. Professor	ROS & Developmental Biology, Caecilian biology & Molecular taxonomy	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	3	Ph. D. – 2
Dr. Suresh Kuppannan	M. Sc., Ph. D.	Guest Faculty	Human Genetics	1	Nil

*Including research experience from previous institute

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

Two Visiting Professors: Dr. Oommen V. Oommen, FASc and Dr. Tatjana C. Good, Fulbright Fellow

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, 14, 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/-
	Outreach grant	British Ecological Society, UK	2,00,000/-
	Conservation value of sacred groves in the Western Ghats: a latitudinal and altitudinal assessment using insects as probe taxa	SERB-DST	22,00,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
	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/-
	Organophosphate pesticide induced ROS- mediated oxidative stress, DNA damage and gene expression in initiation, promotion and progression of Leukemia	SERB-DST	24,50,000/-
	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/-
	Conservation of marine turtles with the community participation	Kerala State Biodiversity Board	5,00,000/-
Total Grant			1,14,50,000/-

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)	Nil
	Natural History Museum, London	Nil
	Total Grant Received	Nil
National	Keystone Foundation, Nilgiris	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)	34	
Monographs	0	
Chapters in Books	8	
Edited Books	1	
Total Number of 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
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	₹60,000/-

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

There were 19 such invitations to the faculty during the assessment period, as listed below:

Name of the Faculty	Country	Lab/Institution/Industry Visited
P. A. Sinu	India	Central Institute of Fish Technology, Cochin
	India	Rashtrapati Bhawan, New Delhi
	India	Centre for Pollination Studies, Calcutta University
	UK	Natural History Museum, London, UK
	USA	Southwest Research Station, American Museum of Natural History
	Tanzania	Association for Tropical Biology and Conservation
	Chiang Mai, Thailand	World Zingiberacean Congress
	India	National seminar in Botany Department, Kerala University
	India	Vacation training programme to students (MSSRF-Wayanad)
	India	DST-Inspire camp for students (SH College, Thevara)
	India	Institute of Life Science, Manipal (Indian Academy National Workshop on Genetics)
	India	Central Agricultural University, Pasighat, Arunachal Pradesh (Entomology conference)
	India	Institute for Bioresources and Sustainable Development (Imphal)
L. Divya	India	National Biodiversity Conference, Trivandrum
	India	International conference in translational research
	UK	Scotland-Edinburg

Name of the Faculty	Country	Lab/Institution/Industry Visited
H. P. Gurushankara	India	Department of Biochemistry, Indian Institute of Science-Bangalore
	India	Kurnool, Andhra Pradesh

26. Faculty Serving in

Committees	Number
National committees	4
	<ol style="list-style-type: none"> 1. Dr. Sinu, Mentor of Summer Research Fellowship Programme of Indian Academy of Sciences 2. Dr. L. Divya, INSA young Scientist conclave 3. Dr. L. Divya, Executive Member Kerala Academy of Sciences 4. Dr. L. Divya, Life member, Indian Science Congress Association
International committees	2
	<ol style="list-style-type: none"> 1. Dr. P. A. Sinu is selected as a member of British Ecological Society's Review college for grant proposal evaluations 2. Dr. L. Divya- Life Member, Society for Translational Research in Cancer
Editorial Boards	2
	<ol style="list-style-type: none"> 1. Dr. P. A. Sinu, serves as Editor, Puthumazha, the Nature Magazine of CU Kerala 2. Dr. P. A. Sinu, serves as Member, Editorial Board, International Journal of Agricultural and Forest Research
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. P. A. Sinu	Inspired Teachers In-Residence Programme at Rashtrapati Bhawan, New Delhi, 5-13 June 2015, Rashtrapati Bhawan, New Delhi, Rashtrapati Bhawan, New Delhi

Name of the Faculty	Programme Attended
	Refresher course in Life Sciences, February 2013, Academy refresher course at School of Life Science, Manipal University, Indian Academy of Science
	Orientation programme, December 2013, Academic staff college, Kannur University, UGC
Dr. H. P. Gurushankara	Orientation Programme, January 2015, Goa University, UGC
	Refresher course, October 2013, GKVK, University of Agricultural Science, Bangalore, Indian Academy of Science
Dr. L. Divya	INSA Young Scientists Conclave, INSA, New Delhi, Nov 2012.
	Orientation Programme, September 2014, UGC-Academic Staff College, University of Kerala, UGC
	Refresher course, June 2015, UGC-Academic Staff College, University of Kerala, UGC
	Workshop on NMR & MS 18-20 July, 2013. Srinivasa Ramanujan Institute of Basic Sciences of the KSCSTE at STIC, CUSAT
	SERB School in Chronobiology 16– 30th June 2013 JNCASR, Bangalore
	National workshop on “methods in in vitro toxicology”, Bharathidasan University, Tiruchirappalli 2nd to 11th Oct, 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	14
Awardee	Award
Dr. P. Sinu	<ol style="list-style-type: none"> 1. Conservation Research Exploration research award: National Geographic Society, USA 2. DST- Young Scientist 3. Young Scientist travel award (ATBC-New

	York) 4. Young Scientist travel award (World Zingiberacean forum)
Dr. L. Divya	5. Royal Society of Edinburgh & INSA International Exchange to University of Glasgow- 2015 6. SERB Women Excellence Award-(SERB), (DST), New Delhi- 2013(not availed). 7. Indian National Science Academy (INSA) medal for Young Scientist – 2011. 8. National Academy of Sciences, India (NASI) ‘Swarna Jayanti Puraskar’ -2011. 9. Young Scientist Award in Life Sciences by Kerala State Council for Science Technology & Environment (KSCSTE), Govt of Kerala, 2008. 10. Best poster award in the International Symposium on current trends in endocrine & reproductive health, University of Mysore, 2011. 11. Young Investigator Travel Award by International Neuroendocrine Federation, Rouen, France, 2010. 12. Prof. N. J. Chinoy Award for the best oral presentation by Society for Reproductive Biology & Comparative Endocrinology, Jawaharlal Nehru University, New Delhi, 2010. 13. CSIR travel grant to attend the 7th International Congress on neuroendocrinology, France, 2010.
H. P. Gurushankara	14. DST Young Scientist
Doctoral/Post-Doctoral fellows	4
Awardee	Award
Shibil V. K.	1. Rajiv Gandhi National Fellowship
Vineesh Sebastian	2. CSIR-JRF
Asha G.	3. KSCSTE PhD fellowship

Sangeetha Varma	4. KSCSTE PhD fellowship
Students	13
Awardee	Award
Aksah Sam	1. GATE
Prajna Rai	2. UGC-NET
Sheeja C. C	3. DST-INSPIRE
Thushara V. V	4. UGC-NET; KSCSTE JRF
Sangeetha M	5. KSCSTE JRF
Asha. G	6. KSCSTE- JRF
Midhun. S. Jose	7. GATE; KSCSTE JRF
Arun. D	8. KSCSTE JRF
Hima. P	9. KSCSTE -JRF
Shruti. M. V	10. KSCSTE-JRF
Rabina. P	11. KSCSTE- JRF
Parvathy. M	12. UGC-NET
Umerali. K	13. 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		CU-Kerala & British Ecological Society	Prof. K. R. ShivannaFASc, FNA
National Symposium on Human-Wildlife conflict or coexistence: what we want?"		CU-Kerala &Swasraya Bharat	Dr. P. S. Easa (Member, National Wildlife Board & Director, KFRI)
Ecomeet		CU-Kerala &Swasraya Bharat	Dr. N. C. Inducchodan IFS (Director, AHADS-Attapady)
Symposium of Taxonomy		CU-Kerala	Prof. T. C. Narendran FASc Prof. C. A. Viraktamath
World Forest, Water and Climate day celebrations		Kerala State Forest Department	Ms. Divya K. (Municipal Chairperson)
World Environment Day celebration		CU-Kerala	Adv. Rajendran (Secretary, Zilla Paristhiti Samithi)

Event	Date	Source of Funding	Outstanding Participants
Science Communication through folk media		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, STCR, 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)

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	2
NET	5
SET	7
GATE	6
KSCSTE-Ph. D. Fellowships	13
DST- INSPIRE	1

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	5
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	33%
universities outside the country	16%

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	10/15
From other institutions/ universities	5/15
Name of Doctoral/PDF students or RA	Advisor
Shibil V. K.	P. A. Sinu
Prabitha Mohan	
Asha G	
Sangeetha Varma	
Manoj K.	
Prashanth Ballullaya U.	

Awarding Institution	Number of PDF/RA
Roshnath R	
Rajesh T. P.	
Sruthi M. V.	
Sheeja P.	L. Divya
Thushara V. V.	
Beyline Maxwell	
Arun D.	
Shilpa O.	H. P. Gurushankara
Anupama K. P.	

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 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 programme.

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. Workshop on 'ALTERNATIVES to the USE of ANIMALS in LIFE SCIENCES', 29 Nov, 2010, Central University of Kerala and Mahatma Gandhi – Doerenkamp Centre, Bharathidasan University
2. Seminar on '2010 International Year of Biodiversity', 7 Dec, 2010.
3. International Workshop on "Functional Glycomics", 2 & 3 Feb, 2011.
4. Workshop on Climate Change & Biodiversity Conservation, 30th March -1 April, 2011.
5. 4th International Symposium on "Biochemical Roles of Eukaryotic Cell Surface Molecules ", 27- 3 Jan, 2012.
6. Symposium on Human-Wildlife conflict or coexistence, October 2014 (1 day, 6 lectures)
7. Workshop on Ecology of plant-animal interactions, May 2014 (8 days; 24 lectures and practical)
8. Taxonomy Symposium, March-April 2014 (6 lectures and practical)
9. Indian Bee Course, August 2015 (to be confirmed)
10. National Science day with special lectures of Shantiswarup Bhatnagar awardee & INSA young Scientists on Feb 6, 2013.
11. Science communication through folk media, October, 2013 (4 days)
12. Invited lecture series on Behavioural and Cognitive Science, August-September, 2014 (1 speaker from NIAS-IISc-Bangalore, 11 lectures)
13. National Seminar on Current Trends in Animal Science Research, March 2012 (6 lectures)
14. 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) and Ecology of Plant-Animal Interactions (ANS507). 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. : PowerPoint 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 programme 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 is 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 programme.

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

Talks/Invited Lectures

1. Dr. P. A. Sinu, 7th International Zingiberacean conference, (fully sponsored), 17-20 August 2015, World Zingiberacean research forum, Chiang Mai, Thailand
2. Dr. P. A. Sinu, Intecol 2013: Centenary meeting of British Ecological Society, London, (invited lecture), 18-23 August 2013, British Ecological Society, London
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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
9. 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
10. Dr. P. A. Sinu, DST-INSPIRE orientation programme for +1 students,

- (invited lecture), 22 January 2014, Sacred Heart College, Thevara, Cochin
11. Dr. P. A. Sinu, UGC National Seminar on Animal Science Research(invited lecture),, 18 December 2014, Kasaragod Government College, Kerala
 12. Dr. P. A. Sinu, Vacation training programme for school children, (invited lecture), 18 May 2015, M. S. Swaminathan Research Foundation, Wayanad
 13. Dr. P. A. Sinu, National Environmental Awareness Campaign, (invited lecture), 4 March 2014, Department of Social Work, CU-Kerala
 14. Dr. P. A. Sinu, 13th refresher course in life science, (invited lecture), 28 November 2012, Academic Staff college, University of Calicut
 15. Dr. P. A. Sinu, 14th refresher course in life science, (invited lecture), 18 December 2013, Academic Staff College, University of Calicut
 16. Dr. P. A. Sinu, World Water day celebration, (invited lecture), 20 March 2013, Nehru Arts and Science College, Kanhangad, Kerala
 17. 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
 18. Dr. L. Divya- INSA Young Scientists Conclave, INSA, New Delhi, Nov 2012.
 19. Dr. L. Divya- Women in Science, 25th Kerala Science Congress, 29 Jan-1 Feb 2013, Trivandrum.
 20. Dr. L. Divya- Workshop on Climate Change & Biodiversity Conservation, 30th March -1 April, 2011.
 21. Dr. L. Divya National Academy of Sciences, India, Annual National Meeting, Nov 24- 26, 2011.

Workshops and Training Sessions Conducted by Faculty

22. 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.
23. 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
24. Dr. L. Divya - National Biodiversity Congress, 23-27 Feb, 2015, Thiruvananthapuram, scientific steering Committee, sponsored by Govt of Kerala, NBC, CUK, MoEF
25. Dr. L. Divya - National Biodiversity Congress Dec 27-30, 2012, scientific

- steering Committee Thiruvananthapuram, sponsored by Govt of Kerala, NBC, CUK, MoEF
26. 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.
 27. Dr. L. Divya - Swadeshi Science Movement “The art and Science of teaching Science” – Swashraya Bharat Swadeshi Science Movement & Co-organised by CUK.
 28. Dr. L. Divya- International Seminar on Climate Change, sustainable development & Society, Feb, 27, 2012, at British Council, TKM Institute of Management & University of Kerala.
 29. Dr. L. Divya- Workshop on Climate Change & Biodiversity Conservation, 30th March -1 April, 2011.
 30. 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
 31. 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
 32. Dr. P. A. Sinu, Title: Ecomeet, Date: 16 October 2014, Venue: CUK, Padanakkad Campus, Role: Organizing Secretary, Sponsor: CU-Kerala & Swasraya Bharat
 33. Dr. P. A. Sinu, Title: Symposium of Taxonomy, Date: March-April 2014, Venue: CU-Kerala, Role: Organizing Secretary, Sponsor: CU-Kerala
 34. 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
 35. Dr. P. A. Sinu, Title: World Environment Day celebration, 2015, Venue: CU-Kerala, Role: Organizing Secretary, Sponsor: CU-Kerala
 36. Dr. P. A. Sinu, Title: Science Communication through folk media, Date: 2013, Venue: CU-Kerala, Role: Organizing committee (member), Sponsor: Swadeshi Science Movement
 37. Dr. P. A. Sinu, Title: Indian Bee Course, Date: 2015, Venue: CU-Kerala, Role: Convener and Course Director, Sponsor: CU-Kerala
 38. Dr. P. A. Sinu, Title: Current Trends in Animal Science Research, Date: 2012, Venue: CU-Kerala, Role: Organizing committee (member), Sponsor:

CU-Kerala

Other Activities

39. 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.
40. Dr. L. Divya, serves as external expert for M. Phil. dissertation evaluation, Dept. of Zoology, University of Kerala
41. Dr. L. Divya serves as external question paper setter and evaluation for Dept. of Computational Biology & Bioinformatics, University of Kerala.
42. Dr. P. A. Sinu is the official mentor of Summer Research Fellowship programme organized annually by Indian Academy of Sciences, Bangalore
43. Dr. P. A. Sinu is the Editor of Puthumazha, the nature magazine of CU-Kerala
44. Dr. P. A. Sinu is the External examiner for 3 MPhil thesis in Department of Zoology, Calicut University
45. Dr. P. A. Sinu is the External examiner for 4 theory papers and practical papers in Department of Zoology, Calicut University
46. 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.
47. Dr. P. A. Sinu works as a consultant for the poly-house farmers of Wayanad District

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

- Puthumazha (The First Rain)
- The students are engaged in awareness programme on beach clean-up
- The faculty engages the grassroots conservation agency “Neythal” as a consultant.
- 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.

Our M. Sc. Animal Science programme is accredited by the Academic Council of the University of Kerala, Trivandrum. Therefore our programme 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. programme 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.

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
- 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
BIO-CHEMISTRY &
MOLECULAR BIOLOGY
(SCHOOL OF BIOLOGICAL SCIENCES)

SELF STUDY REPORT

1. Name of the Department: Department Bio-Chemistry and Molecular Biology

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. Biochemistry and Molecular Biology & Ph. D. Biochemistry

5. Interdisciplinary programmes and departments involved

Yes. Biochemistry and Molecular Biology

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.

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

Yes. 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

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	3	3
Others			2*
* Professor – 1 Guest Faculty – 1 DST SERB Project Principal Investigator			

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 V B Sameer Kumar	M. Sc., Ph. D.	Assistant Professor	Angiogenesis, NonCoding RNA,	6	Ph. D. – 8, M. Phil. – 4
Dr Rajendra Pilankatta	M. Sc., Ph. D.	Assistant Professor	Molecular Virology	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

*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.	50%*
Ph. D.	Nil

*current academic year

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Sc.	7.25 : 1
Ph. D.	8 : 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	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.

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	3
Total grants received (in ₹)		152.45 Lakhs

Faculty (PI)	Project Title	Funding Agency	Grant Received
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 Sameer Kumar	Analysis of the role of miRNAs in the process of Endothelial Mesenchymal transition during Angiogenesis	Department of Science & Technology	23 lakhs
	Profiling miRNAs Downstream of $\alpha 6 \beta 4$ integrin: A strategy to target tumor angiogenesis	Department of Biotechnology, Govt. of India	25 lakhs
	Identification and Functional Analysis of tumor generated exosomal miRNA and elucidating its	Kerala Biotechnology Commission, KSCSTE	6.27 lakhs

Faculty (PI)	Project Title	Funding Agency	Grant Received
	role in anti -cancer drug resistance		
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	6.28 lakhs
Total Grant			152.45 Lakhs

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Molecular virology and Drug design	Nil
	International collaboration: DUKE – NUS, Singapore	Nil
	Total Grant Received	Nil
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	14.8 Lakhs
	Institute of Applied Dermatology Kasaragod, Indian Institute of Science Bangaluru,	Nil
	Central Food Technological Research Institute Mysuru,	Nil
	University of Kerala, Thiruvananthapuram	Nil
	Total Grant Received	14.8 Lakhs

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)	18
Monographs	0
Chapters in Books	1
Edited Books	0
Total Number of Books	1
Books	ISBN Publisher
Biological effects of magnetic field	ISBN-10: 3659609986, ISBN-13: 978-3659609985 LAP Lambert Academic Publishing (3 October 2014)
Number listed in International Database	0
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 outside Universities students	₹50,000/-

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

Nil

26. Faculty Serving in

	Number
National committees	1
	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)	Nil

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

Name of the Faculty	Programme Attended
Dr. V B Sameer Kumar	Orientation programme, Sep 2013, Academic staff college, Kerala University,
Dr rajendra Pilankatta	Refresher course in Environmental Sciences, Nov 2015 Academic staff college, Kannur University
Dr Rajendra Pilankatta	Orientation programme, Jan 2014, Academic staff college, Kannur University
Dr Santosh R Kanade	Orientation programme, Jan2014, Academic staff college, Kannur 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	1
Awardee	Award
Dr Rajendra Pilankatta	1. Raman Fellowship for postdoctoral studies in USA by UGC, Govt of India, 2014-2015
Doctoral/Post-Doctoral fellows	3
Awardee	Award
	1. Best poster awards – 2
	2. Balaji Endowment Award at ISARCON
Students	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
Cluster Seminar on “Biology to New Biology: The Paradigm Shift	April 10 - 12, 2012	CUK	
6th National Colloquium on evidence based integrative medicine for Lymphatic Filariasis and other chronic dermatoses	December 8th to 10th 2013	ICMR & CUK	
Workshop on Research Methodology- as part of Swaraya Bharat	Oct 17, 2014	KSCSTE, SSM, DST etc	
A Mega Scientific Exhibition”	Oct 14- 19, 2014	KSCSTE, SSM, DST	
Solid Waste Management: A sustainable perspective”	1st Oct 2014	KSCSTE, SSM, DST	
Seminar on “Role of Integrative dermatology: A success story on	10th October 2014	KSCSTE, SSM, DST	

Event	Date	Source of Funding	Outstanding Participants
management of Lymphatic Filariasis”.			
Nano Science-Synthesis to applications”	9th October 2014	KSCSTE, SSM, DST	

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

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	-
GATE	11
KSCSTE-Ph. D. Fellowships	8
DST- INSPIRE	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	40
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	33%
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	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
From other institutions/ universities	16/21
Name of Doctoral/PDF students or RA	Advisor

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

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.

Not Applicable.

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 the end of each semester, filled feedback was collected from each student

(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.

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. Lectures in Genome Diversity, Dr. Nagarajaram HA, Scientist and Group Leader Laboratory of Computational Biology (LCB), Centre for DNA

Fingerprinting and Diagnostics (CDFD), Hyderabad, 2011

2. 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
3. Dr. Chandra Samuel, Department of Genetics, University of Madras, delivered a series of lectures topic related to human cytogenetics and mutational research, 2011
4. Prof. Padma R., Dept. of Biotechnology, Avinazhalingam Women's University, Coimbatore, delivered 30 lectures in topics related to Bioinformatics, 2011
5. Dr. Nirmala Devi, Avinazhalingam Women's University Coimbatore, delivered 30 lectures in topics related to Bioinformatics., 2011
6. Prof. Martha K. Cathcart, Dept. of Cell Biology, Cleveland Clinic Foundation, USA, delivered a series of lectures starting from 3-2-2012 to 12-2-2012
7. Prof. N. K. Balasubramaniam, (Rtd) Professor, Kerala University, Offered the 3-credit elective course in Biostatistics (48 lectures), 2012
8. Dr. J. S. Sundaram, Dy. Consultant- Applications, Roche Diagnostics India, engaged classes on Principles and Application of Real Time PCR, 18 Jul 2013 to 20-Jul-2013
9. Dr. Sagar Shah, Application Specialist, Imperial Life Sciences, delivered a lecture on Imaging Applications, 23-09-2014
10. Prof. Terence Ryan, FRCP Professor Emeritus, Department of Dermatology at Oxford University, Oxford Brookes University and Churchill Hospital, Oxford, UK, engaged an academic seminar and a brain storm session, April, 2014
11. Dr Lingaraju M H, Institute of Biochemistry, Graz University of Technology, Graz, Austria, gave a lecture on Research opportunities in abroad Universities. He also spoke on "Oxidized phospholipids induced toxic effects and ceramide response in Macrophages, 07-March-2013

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 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.

46. 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 IIT, IISc, IISER, etc for their PhD.

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

Nil

48. 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 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.

Nil

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.

Strength: Publications, Ongoing projects, Achievements from faculty and students.

Weaknesses: low faculty strength, low infrastructure and budget

52. Future plans of the department.

To develop the department as the one of the best department for PG programmes and research in the area of biochemistry and molecular biology, and also establish the research centres



SECTION E
EVALUATIVE REPORT OF THE
DEPARTMENTS

DEPARTMENT OF
GENOMIC SCIENCE
(SCHOOL OF BIOLOGICAL SCIENCES)

SELF STUDY REPORT

1. Name of the Department: Department of Genomic 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. Genomic Science & Ph. D. Genomic 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:

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

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

BCM503 - Bioinformatics and ANSC503 - Bioinformatics

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	3	3
Others			2*
*Academic Coordinator – 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. Ranjith N. Kumavath	M. Sc., Ph. D.	Asst. Professor	Cancer Genomics, Microbial Genetic and Metagenomics	6	Ph. D. – 2 &M. Phil. – 3
Dr. Tony Grace	M. Sc., Ph. D.	Asst. Professor	Genomics, Bioinformatics and Population Genetics	8	Ph. D. – 8 & M. Phil. – 6
Dr. M. Nagarajan	M. Sc., Ph. D.	Asst. Professor	Molecular Genetics & Epigenetics	8	Ph. D. – 4 & M. Phil. – 3
Dr. Anil Kumar P. K	M. Sc., Ph. D.	Guest Faculty	Molecular Microbiology	5	Nil

*Including research experience from previous institute

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

Dr. Arabandi Ramesh

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.	10 : 1
Ph. D.	4.6 : 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	0	1*
Administrative staff	1	0	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	0
	National	2
Total grants received (in ₹)		155.71 Lakh

Faculty (PI)	Project Title	Funding Agency	Grant Received
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 SART-UP GRANT	6.0 Lakhs
	Comparison of Rhodethrin, SlpA and DspE proteins as Novel Agents for Antigen Carrying Modulation of Apoptotic Activity in Cell lines”	SERB-DST	24.30 Lakhs
	“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 Lakhs
Dr. M. Nagarajan	Molecular identification of commercially important <i>Mystus</i> species using cytochrome c oxidase-I gene	SERB, New Delhi	23.00 Lakhs
	Molecular characterization of <i>Mystus</i> species using	UGC, New Delhi	11.01 Lakhs

Faculty (PI)	Project Title	Funding Agency	Grant Received
	cytochrome b gene in different rivers		
	Genetic diversity and origin of Indian domestic ducks	SERB, New Delhi	49.9 Lakhs
Total Grant			155.71 Lakh

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	7	Nil
		Nil
	Total Grant Received	Nil
National	3	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)	17
Monographs	0
Chapters in Books	4

Edited Books			1
Total Number of Books			1
Books	ISBN	Publisher	
Number listed in International Database			17
Citation Index (Range)			1-91
Source Normalized Impact per Paper (SNIP)			-
SCImago Journal Rank (SJR)			-
Impact Factor (Range)			1-11
h-index (Range)			4-10

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	Not Applicable

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

Nil

26. Faculty Serving in

	Number
National committees	4
	1. Dr. M. Nagarajan, Mentor, Summer Research Programme, Indian Academy of Sciences
International committees	0
	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. Ranjith Kumavath	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
Dr. Tony Grace	Orientation Programme, 12 th November 2014 till 9 th Dec 2014, UGC-Academic Staff College, Kannur University, UGC
Dr. Nagarajan	Orientation Programme, 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

28. Student projects

Name of the Faculty	% of Students
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	4
Doctoral/Post-Doctoral fellows	6
Students	12

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
Conference on "Biodiversity,	January, 30-31, 2014	Society of applied Biotechnology	-

Event	Date	Source of Funding	Outstanding Participants
Bioresources and Biotechnology”			
National Symposium on Human-Wildlife conflict or coexistence: what we want?”	15 October 2014	Kerala science congress and Central University of Kerala	P. S Easa (Member National Wild Life Board)
Workshop : Preparing a Grant Proposal and Writing a Research Paper	October 2014	Swadeshi Science Congress and Central University of Kerala	-
6 th National Colloquium on Filariasis	8-10 Dec 2013	IAD and Central Univ. of Kerala	-
Gene, Genome and Genomics	April, 10-12, 2012	Central University of Kerala	Dr. Satish Kumar, Deputy Director, CCMB, Hyderabad Prof. Appa Rao Podile - University of Hyderabad Prof. Indrani KarunaSagar, College of Fisheries, Mangalore

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
M. Sc.	234	15	53	100	100
Ph. D.	29	7	7	-	-

* 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	NIL	87 %	13 %	0%
Ph. D.	14%	43%	43%	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	1
NET	1
SET	7
GATE	8
KSCSTE-Ph. D. Fellowships	5
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M. Phil.	8.3%	
PG to Ph. D.	13%	
Ph. D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	Nil
	Other than campus recruitment	15%
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	60%
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 from time to time, which are acquisitioned by the main library
Internet facilities for staff and students	30 computers with internet access for students and Faculty. All faculty and students have access
Total number of class room	2
Class rooms with ICT facility	2
Students' Laboratories	2
Research Laboratories	9

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

Awarding Institution	Number of PDF/RA
From the host institution/university	1/14
From other institutions/ universities	12/14
Name of Doctoral/PDF students or RA	Advisor
Deepthi, M	Dr. Tony Grace
Shamjana U	
Thashi Bharadwaj	
Amritha, A. A	
Joby Pulikkan	
Deepa A. V	
Shalini, M	
Arvind, K	
Kamesh Pandian	Dr. M. Nagarajan
Nimisha, K	
Subash Thomas	
KamalaKannan R	

Madangchanok Imchen	Dr. Ranjith Kumavath
B. Dhanasekhar Reddy	

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

M. Sc. Students : 18/68

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 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 the necessary changes in the curriculum and Syllabus which is submitted to 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 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)

Not applicable

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

1. Lectures/ Talks on Human-Wildlife conflict or coexistence, October 2014
2. Workshop and Lectures on Grant Writing and Research Paper preparation

2014

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

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

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?

Our mandate is to foster the 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 are 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 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. Highlight the participation of students and faculty in extension activities.

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

Invited Talk

1. Dr. Ranjith Kumavath, "Effect of Surface layer Biomolecules: As a Novel Antimicrobial and Anticancer Activities produced from Lactobacillus and Enterococcus sp, 29-30, Dec, 2014, National Conference on "Biotechnology- (MARINA-14), Department of Biotechnology, Dr. N. G. P Arts and Science College, Coimbatore-48.
2. Dr. Ranjith Kumavath, "Research in Day-to-Day Life" with the special emphasis on Education, Research Challenges and Opportunities, 29th December 2014, Dr. N. G. P College of Education, Coimbatore, on 29th December 2014 under the roof of curriculum on Research Activities
3. Dr. Ranjith Kumavath, Workshop on Flow Cytometry and cell sorting, 25th-26th May 2015, Rajiv Gandhi Centre for Biotechnology (RGCB) Thiruvananthapuram
4. 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

5. Dr. Tony Grace,, Identification, sequencing & Homology modelling of Cytochrome P450 from *Rhipicephalus (Boophilus) annulatus*, 2014, PSI 6th annual meeting ""Proteomics from discovery to function" . International Proteomics conference.
6. Dr. Tony Grace, Detection and identification of Intimin gene producing Enterohemorrhagic *Escherichia coli* (EHEC) in faecus of Autistic children, 2014, National Seminar on New Horizons and Challenges in Biotechnology and Bioinformatics ICAR-CPCRI.
7. Dr. M. Nagarajan, Effect of climate change on genetic diversity of fishes in western ghat rivers, March 2015, National Conference on Impact of climate on environment and biodiversity

Workshops. Training Sessions conducted by Faculty

8. 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
9. Dr. M. Nagarajan, National Symposium on Human-Wildlife conflict /coexistence: what we want?”, 15 October 2014, CUK, Padanakkad Campus, Swasraya Bharat 2014, Kerala science congress and Central University of Kerala
10. Dr. Tony Grace, Workshop : Preparing a Grant Proposal and Writing a Research Paper, October 2014, CUK, Padanakkad Campus, Swasraya Bharat 2014, Swadeshi Science Congress and Central University of Kerala
11. Dr. Tony Grace, 6th National Colloquium on Filariasis, 8-10 Dec 2013, IAD, Kasaragod, 6th National Colloquium-IAD-CUK, IAD and Central Univ. of Kerala
12. Dr. Ranjith Kumavath, Dr. Tony Grace, Dr. M. Nagarajan, Gene, Genome and Genomics, April, 10-12, 2012, CUK, Padanakkad Campus, Organized, Central University of Kerala

List of Seminar/ Conferences attended by the students

13. Dhanasekhar Reddy B, Conference on Bioinformatics, 27-29 January 2015, SRM University, Chennai
14. Kameshpandian 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

15. Kameshpandian P, National Symposium on Human-Wildlife Conflict or Coexistence: What we want?, 15 October 2014, Swadeshi Science Movement, Kerala and Central University of Kerala, Kasaragod
16. Kameshpandian P, Workshop on Research Methodology, 17 October 2014, Nehru Arts and Science College, Kasaragod and Swadeshi Science Movement, Kerala
17. Kameshpandian 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
18. Kameshpandian P, National Symposium on Human-Wildlife Conflict or Coexistence: What we want?, 15 October 2014, Swadeshi Science Movement, Kerala and Central University of Kerala, Kasaragod
19. Kameshpandian P, Workshop on Research Methodology, 17 October 2014, Nehru Arts and Science College, Kasaragod and Swadeshi Science Movement, Kerala
20. 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
21. Subhash Thomas, New horizons and challenges in biotechnology and bioinformatics, 9, 10 October 2014, Swadeshi Science Movement, Kerala and ICAR-CPCRI, Kasaragod
22. Subhash Thomas, National Symposium on Human-Wildlife Conflict or Coexistence: What we want?, 15 October 2014, Swadeshi Science Movement, Kerala and Central University of Kerala, Kasaragod
23. Subhash Thomas, Workshop on Research Methodology, 17 October 2014, Nehru Arts and Science College, Kasaragod and Swadeshi Science Movement, Kerala

Other Activities

24. Dr. Tony Grace, External Examiner of MSc Thesis and viva of 10 students of MSc Biotechnology at Kannur University. Kannur (August 2014)
25. Dr. Tony Grace, External Examiner of MSc Thesis and viva of 11 students of MSc Biotechnology at Kannur University. Kannur (August 2013)
26. Dr. Ranjith Kumavath, External Examiner of MSc Thesis and viva of 16 students of MSc-Microbiology, at Pondicherry University. Pondicherry since May, 2015)
27. Dr. Ranjith Kumavath, 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)

28. Dr. M. Nagarajan, External Examiner for Ph. D. Thesis, Dept. of Microbiology, at Bharathidasan University, Tiruchirappalli, Tamil Nadu (2012).
29. Dr. M. Nagarajan, External Examiner for Ph. D. Thesis, Centre for Marine Science and Technology, Manononmaniam Sundaranar University, Nagercoil, Tamil Nadu (2013).
30. Dr. M. Nagarajan, Chairman and External Examiner for Ph. D. Thesis, Dept. of Zoology, Mahatma Gandhi University, Kottayam, Kerala (2014).
31. Dr. M. Nagarajan, External Examiner for Ph. D. Thesis, Dept. of Biotechnology and Bioinformatics, Kuvempu University, Karnataka, (2015).
32. Dr. M. Nagarajan, External Examiner for Ph. D. Thesis, SPKCES, Manononmaniam Sundaranar University, Alwarkurichi, Tamil Nadu (2013).

Other extension Activities

33. 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.
34. Dr. P. A. Sinu works as a consultant for the poly-house farmers of Wayanad District

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

- Department students and Faculty have participated in more than 30 national and international conferences to present their work.
- Department has also conducted conferences and workshops almost every year
- 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.

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 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).

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

Strengths:

1. We are situated in one of the 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.
2. Young and Dynamic Faculty all with PhD and international exposure
3. Good Students who are admitted through national entrance
4. Facilities available at an early stage of establishment
5. Interdisciplinary subject with applications in almost every field. Better opportunities for students
6. Faculty with expertise in diverse areas.

Weakness:

7. Lack of Space
8. Less number of faculty;
9. Access to extracurricular activities for students are limited

Opportunities:

Unique opportunity to establish a department. The Three assistant professors in the department established it and guide it for the last 5 years. We have the unique opportunity to guide it and set policies for future functioning. We have the unique opportunity to become a leading facility for Genomics Research in the Country that students and others researchers would look forward to for knowledge and for facilities.

Challenges

Major challenges are lack of space and the need to increase it. Also with just 3 faculty in the department, we are in need of more faculty.

52. Future plans of the department.

- Enhance infrastructure facilities for Genomic studies in the department
- Become a leading facility for Genomics Research in the Country



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
PLANT SCIENCE**
(SCHOOL OF BIOLOGICAL SCIENCES)

SELF STUDY REPORT

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. 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 and Semester System

Choice Based Credit and Semester 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:

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1 (On contract, April 2012 to December 2013)	0
Associate Professors	2	1 (On deputation, August 2014 onwards)	1 (On deputation, August 2014 onwards)
Asst. Professors	4	3 (1* out of 3 only till March 2015)	3
Others			

Position	Sanctioned	Filled	Actual (including CAS & MPS)
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, till date)	1
DST INSPIRE Faculty		1 (April 2012 to September 2013)	0
*One Assistant Professor passed away in March 2015			

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. (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	4 (Ph. D.)
Dr. Jasmine M. Shah	M. Sc., Ph. D.	Assistant Professor	Plant Biotechnology, Plant Molecular Biology, Plant Functional genomics and Plant-Microbe Interaction	3 years and 7 months	7 (Ph. D. ongoing)
Dr. Ginny Antony	M. Sc., Ph. D.	Assistant Professor	Molecular Plant – Microbe Interactions, Genetic Engineering plants for disease	1 years and 9 months	6 (Ph. D. ongoing)

			resistance, Plant Genetics and Genomics		
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	

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.	50%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Sc.	8 : 1
Ph. D.	6.5 : 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-microbe interaction, transcriptome analysis of plant pathogens, stress-induced mutation in plants.

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	5
Total grants received (in ₹)		1,15,80,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
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			1,15,80,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	None	NA
	Total Grant Received	Nil
National	None	NA

	Total Grant Received	Nil
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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)	40
Monographs	1
Chapters in Books	1
Edited Books	1
Total Number of Books	0
Number listed in International Database	251
Citation Index (Range)	0-279
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	0-41.5
h-index (Range)	3-9

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. A. Thulaseedharan	Indonesia	1. International Rubber Research and Development Board (IRRDB)
	India	2. Central Plantation Crops Research Institute, Kasaragod
		3. KKTMM Government College, Pullut, Thrissur (Dt), Kerala
		4. Centre for Plant Biotechnology and Molecular Biology, Kerala Agricultural University, Thrissur
		5. Periyar University, Salem-636 011,
		6. Sree Narayana Arts & Science College, Kumarakom, Kottayam
		7. Bishop Kurialacherry College for Women, Amalagiri, Kottayam,
		8. Institute of Forest Genetics and Tree Breeding, Coimbatore
		9. SN College, Chengannur, Kerala
Dr. Jasmine M. Shah	India	10. Inter University Centre for Genomics and Gene Technology Department of Biotechnology, University of Kerala
		11. College of Agriculture, Padannakkad
		12. Amritha Vidhyalayam, Kanhangad
		13. Department of Botany, University of Kerala
		14. Govt. H. S. S. Kannur
Dr. Ginny Antony	India	15. CPCRI, Regional Station, Kayamkulam
Dr. Viji R. I	India	16. Inter University Centre for Genomics and Gene Technology Department of Biotechnology, University of Kerala

26. Faculty Serving in

Committees	Number
National committees	5
	<ol style="list-style-type: none"> 1. Prof. (Dr.). G. Mohandas Nair, DST-SERB committee 2. Prof. (Dr.). G. Mohandas Nair, NACC Accreditation committee member 3. Prof. (Dr.). G. Mohandas Nair, Member of governing body and Executive Committee of Malabar botanic garden and Research Institute, Calicut 4. Dr. A. Thulaseedharan, 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 5. Dr. A. Thulaseedharan, Expert Member – Institute Biosafety Committee of SCMS Institute, Cochin, Nominated by Review Committee for Genetic Modification, DBT, Govt. of India.
International committees	Nil
Editorial Boards	5
	<ol style="list-style-type: none"> 1. Dr. A. Thulaseedharan, serves as Editorial Board Member of the Journal <i>Plant Biotechnology and Molecular Biology</i> 2. Dr. A. Thulaseedharan, Editorial Board Member of the Journal <i>Rubber Science</i> 3. Dr. A. Thulaseedharan, Editorial Board Member of the Journal <i>South Asian Journal of Socio-Political Studies</i> 4. Dr. Jasmine M Shah, serves as Editorial Board member of ‘<i>Abrahamea-An international journal on research in plant sciences</i>’. 5. Dr. Viji R. I, serves as Editorial Board of ‘<i>International Journal of Hematology Research</i>’

Any other (please specify)	Nil
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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

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	14
Awardee	Award
Dr. A. Thulaseedharan	<ol 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

	<p>research paper at the International symposium on plantation crops, (10-12 Dec 2014) Indian Institute of Spices Research, Kozhikode.</p>
Dr. Jasmine M Shah	<p>5. INSPIRE (Innovation in Science Pursuit for Inspired Research) FACULTY FELLOWSHIP from DST (2012).</p> <p>6. SERB YOUNG SCIENTIST FELLOWSHIP under DST fast track scheme (2012)</p> <p>7. IIT-Madras (Indian Institute of Technology-Madras) Post-Doctoral Fellowship (July 2010 onwards).</p> <p>8. DBT (Department of Biotechnology, Govt. of India) Research Associateship (January 2010 – June 2010).</p> <p>9. 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).</p>
Dr. Ginny Antony	<p>10. SERB Young Scientist Grant Award 2014.</p> <p>11. UGC-BSR Grant Award 2014.</p> <p>12. Kansas State University, USA Post-doctoral Fellowship (2010-2012).</p>
Dr. Viji R. I	<p>13. Weizmann Institute of Science Post-Doctoral Fellowship (2008-2010)</p> <p>14. SERB YOUNG SCIENTIST FELLOWSHIP under DST fast track scheme (2013).</p>

Doctoral/Post-Doctoral fellows	1
Awardee	Award
Dr. Sudeep N. M	1. SERB YOUNG SCIENTIST FELLOWSHIP under DST fast track scheme (2013).
Students	21
Awardee	Award
Najya Jabeen P.	1. NET (National Eligibility test, CSIR-UGC), 2014
Harsha K.	2. GATE (Graduate Aptitude Test in Engineering), 2015
Harshitha K.	3. GATE, 2015
Deepa A. V.	4. GATE, 2015
Naveena Girish	5. GATE, 2015
Maimoonath Beevi Y. P.	6. CSIR-JRF-NET, 2014
	7. GATE, 2014
Vidya V	8. CSIR-JRF-NET, 2014
Gouri Priya Ranjith	9. GATE, 2014
Gouri Priya Ranjith	10. Kerala State Council for Science, Technology and Environment (KSCSTE) JRF Fellowship, 2015
Shananas A	11. KSCSTE-JRF Fellowship, 2015
Shruthi S	12. KSCSTE-JRF Fellowship, 2015
	13. CSIR-JRF-NET, 2014
Bukkya Abhinayak	14. GATE, 2014
Ajith T. G	15. GATE, 2014
Bhagyashree Raveendran	16. DET (Departmental Entrance Test) Conducted by Central University of Kerala, 2015
	17. KSCSTE-JRF Fellowship, 2014
Joyous T. Joseph	18. CSIR-UGC-NET, 2014
	19. DST- INSPIRE JRF-FELLOWSHIP, 2015
Nivya VM	20. DST- INSPIRE JRF-FELLOWSHIP, 2015
Amritha P. P	21. KSCSTE-JRF Fellowship, 2014

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
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).

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

* 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	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
JRF	3
NET	3
SET	3
GATE	11
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.	NA	
PG to Ph. D.	25%	
Ph. D. to Post-Doctoral	40%	
Employed	Campus selection	1
	Other than campus recruitment	5
Entrepreneurs	25%	

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

Shananas A	Dr. Ginny Antony
Bhanupriya S	
Shruthi S	
Shabana A. A	
From other institutions/ universities	4
Name of Doctoral/PDF students or RA	Advisor
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 programme 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:**

1. Workshop on Science Communication through Folk Media on October 23-27, 2013.
2. Workshop on Robotics and Intelligent Machines on October 18, 2014.
3. Insight in science: A workshop for school students to familiarize them the frontiers in science & technology on 13-16 May, 2014.

National Seminar:

4. Biology to New Biology - The Paradigm Shift on April 2012.
5. Molecular trends in taxonomy and biodiversity conservation on 3rd March 2014.
6. 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:

7. Application of Scientific Fundamentals to Innovation Socially Relevant for Inclusive Growth on 25th November 2013 by Mr. Lalit Maiseri, Tech Know Consultants.
8. 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
9. Abiotic and biotic challenges on plant growth in changing climate: a case study in Rice
10. 24th February 2014 by Dr. Satendra K Mangrauthia, Scientist, Directorate of Rice Research (DRR), Hyderabad
11. Invited talk by Dr. Prakash Venglat, Plant Biotechnology Institute, National Research Council of Canada

Interaction programme:

12. SCIENTIST-STUDENTS INTERACTION on 15th October 2014, an interaction programme 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.

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

Apart from the regular teaching, faculty are involved in

1. Organising cultural programs (Dr. Jasmine M. Shah) Organizing committee member of cultural programs on the Republic Day function (2014), CUK.
2. 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).
3. Accompanying students for inter-university competitions (Dr. Viji R. I).
4. Encouraging the students for various cultural activities like dance, poetry writing, story writing, etc.

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

5. 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
6. 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.
 7. Invited to inaugurate and deliver the keynote address in the National Seminar on “Techniques in Bioscience” KKTU Government College, Pullut, Thrissur (Dt), Kerala. February 18-19, 2014. Topic- Modern Technique in Biosciences: From Mendelian Genetics to Modern Molecular Biology.
 8. 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.
 9. 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.
 10. 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
 11. 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.
 12. 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*).
 13. 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

14. 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.
15. 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.
16. 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).
17. 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.
18. Gave inaugural talk on “Adaptations: What We Learn From Them?” During inauguration of Amritha Vidhyalayam ‘Science Club 2014-15’, Kanhangad, July 28, 2014.
19. 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.
20. 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.
21. 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.

Dr. Ginny Antony

22. Invited to deliver a lecture on the topic ‘Genetic engineering tools for development of transgenic varieties’ for the ICAR – Short course on

“Advances in planting material production in plantation crops at CPCRI-substation, Kayamkulam on 18th to 27th, November, 2014.

Dr. Viji R. I:

23. 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.
24. 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

25. Participate in campus elections, researchers forum etc.
26. Participate as volunteers in various programs like ‘Swasraya Bharath 2014, Scientists-students interaction (an interactive programme for school students where more than 1100 students participated), Insight in Science (a workshop for school students)
27. Participate in various cultural programs like Onam and Republic Day celebrations
28. Ms. Bhagyasree, a student, is the sub-editor of the University magazine ‘*De Novo*’, 2012-14
29. Ms. Bhagyasree, a student, is the organising member of ‘Prakriti club’
30. Written articles in magazines.
31. Summer training programme at Kothagiri organised by Key Stone foundation.
32. Presented work or participated in various seminars and workshops
33. 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

Name Of The Student	Competition	Position
Maimoonath Beevi Y. P. M. Sc. (2012-14)	Versification Malayalam (Women's 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 (Women's day celebrations Central University of Kerala, 2013)	Third Place
	Slogan writing (Women's day celebrations Central University of Kerala, 2013)	Third Place
Sanam M, Amritha, Anusha M. Sc. (2014-16)	University arts fest - group song	First Place

Students participations in Conferences/Seminars/Workshops/etc

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 Coexistence: What we want?'	Oct 2014	Central University of Kerala	Participated

Name of Student	Name of the Seminar/ Workshop	Date	Venue	Other details
	'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 Areekan (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

Name of Student	Name of the Seminar/ Workshop	Date	Venue	Other details
	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, KKTU 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	8-10 Dec, 2013	Institute of Applied Dermatology	Participated

Name of Student	Name of the Seminar/ Workshop	Date	Venue	Other details
	for lymphatic filariasis and other chronic dermatoses			
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).
- 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 Programme	Date	Venue
Prof. (Dr.). G. Mohandas Nair	Work Shop on ‘Science Communication Through Folk Media’	23-27 October, 2013	Seminar hall, Central University of Kerala
	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
Dr. Jasmine M	Molecular trends in taxonomy	3 rd	Seminar hall, Central

Shah, Dr. Ginny Antony, Dr. Viji R. I.	and biodiversity conservation	March 2014	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 Octo ber 2014	College of agriculture, Padannakkad
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 201 4	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 programme is accredited by the Academic Council of the University of Kerala, Trivandrum. Therefore our programme 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

- Ginny Antony (2014) "Combating bacterial blight in pomegranate, insights from related pathogens" during the National Seminar "Pomegranate for nutrition, livelihood security and Entrepreneurship development" organised by ICAR-NRC pomegranate, Solapur and Society for advancement of research on Pomegranate, Solapur.

Publications by 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).

Publications by Faculty

- 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 Pharmacy 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).
- 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.
- 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. Manuscript Accepted in *BMC Plant Biology*.
- Antony G. A. (2015) Non-host pathogen *Puccinia triticina* elicits an active transcriptional response in rice. *Plant Cell Reports* (submitted)
- 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.
 - 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. .

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 and provide research based solutions



SECTION E
EVALUATIVE REPORT OF THE
DEPARTMENTS

DEPARTMENT OF
ENVIRONMENTAL SCIENCE
(SCHOOL OF EARTH SCIENCE SYSTEMS)

SELF STUDY REPORT

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 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. 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:

Nil.

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

Students are free to choose courses from other department under CBCS

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	1
Asst. Professors	4	0	4
Others*	1	1	1
*Academic Coordinator – 1 & Faculty on contract - 4 (at the level of Assistant Professor)			

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. K. V. Lazar	Ph. D.	Academic Coordinator	Molecular Biology, Zoology	25	M. Phil. – 3 Ph. D. – 11 +3 (on going)
Dr. Unnikrishnan U.	Ph. D.	Faculty on contract	Marine Science	9	Nil
Dr. V. B. Rekha	Ph. D.	Faculty on contract	Environmental Science	2	Nil
Dr. Usharani K.	Ph. D.	Faculty on contract	Environmental Science	2	Nil
Ms. Shyamili	M. Sc.	Faculty on contract	Environmental Science	2	Nil

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.	100%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Sc.	8 : 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	1	1
Administrative staff	1	1	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	1
	National	1
Total grants received (in ₹)		4.79 Crore

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. K. V. Lazar	Morphometry and phylogeography of honeybees and stingless bees in India, Duration: 2008-2012	Department of Biotechnology, Govt. of India	50,10,000
	Genetic diversity of the corals of Lakshadweep Islands, Duration: 2008-2012	Ministry of Environment & Forests, Govt. of India	25,07,400
	Integrated and interactive digitalization and DNA barcoding of insects and mites of Western Ghats, Duration: 2013-2018	University Grants Commission, Govt. of India	60,00,000
	Biodiversity analysis and molecular barcoding of the order Odonata (Arthropoda: Insecta) of Northern Kerala, Duration: 2013-2016	Kerala State Council for Science, Tech. and Environment, Govt. of Kerala	11,65,000
	Molecular barcoding of the aquatic beetles of the order Coleoptera (Arthropoda: Insecta) of Kerala, Duration: 2013-2016	University Grants Commission, Govt. of India	11,92,000
	Metallothionein gene, a molecular biomarker for heavy metal pollution and management Duration: 2010-2013	Ministry of Environment & Forests, Govt. of India	17,88,000
	Understanding the global	FCT & European	€ 78,138

Faculty (PI)	Project Title	Funding Agency	Grant Received
	fitness and invasive success of <i>Carcinus maenas</i> : a comparison of early ontogenetic stages from the home and invaded ranges, Ref: SFRH/BPD/64169 Duration: 2010-2014	Social Fund - POPH - International	(Aprox. Rs. 55.0 Lakhs)
	Dynamics of the intestinal microbial flora and digestive enzymes of marine invertebrate larvae in a globally changing ocean, Ref: 2010 N° E-116/10 Duration: 2011-2012	Acções Integradas Luso-Espanholas, CRUP – (Spanish-Portuguese Collaborative Research Fund) - International	€ 3,500 (Aprox. Rs. 2.45 Lakhs)
	Metamorphosis 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 (NO RESET), Ref: PTDC/BIA-BIC/116871/2010 Duration: 2011-2014	FCT - EU - International	€ 1,58,240 (Aprox. Rs. 1.11 Crores)
	Larval Sources - Assessing the ecological performance of marine protected area (MPA) networks. Ref: PTDC/BIA-BIC/120483/2010 Duration: 2011-2015	FCT - EU - International	€ 1, 89, 739 (Aprox. Rs. 1.33 Crores)
Total Grant (in ₹)			4.79 crores

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	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)	20
Monographs	0
Chapters in Books	1
Edited Books	0
Total Number of Books	2
Books	ISBN Publisher
Number listed in International Database	12
Citation Index (Range)	0-32
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	0-19.8
h-index (Range)	0-5

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
Unusual phenomenon of twin births in Kodinji of Nannambra Panchayath, Malappuram Dt., Kerala” Government of Kerala.	Fund to be finalised

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

There were 1 such invitation to the faculty during the assessment period.

26. Faculty Serving in

Committees	Number
National committees	1
	1. Dr. Lazar K. V., serves as Member of the Governing Body and Executive Committee of the Malabar Botanical Garden and Research Institute, Calicut
International committees	0
Editorial Boards	0
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
One faculty	

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	98
percentage of students doing projects in collaboration with other universities/industry/institute	2

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

Faculty	1
Awardee	Award
Dr. Unnikrishnan U	1. FCT-EU Bolsas Independent Post-Doctoral

	Grant to work in European Research Labs DST- Young Scientist
Doctoral/Post-Doctoral fellows	Nil
Students	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
Environmental Conference 2014	17-19 Feb. 2014	CU-Kerala	<p>Dr. A. V. George, Hon. Vice-Chancellor of Mahatma Gandhi University, Kottayam</p> <p>Dr. K. Padmakumar, Director, Centre for Marine Biodiversity, Kerala University, Thiruvananthapuram</p> <p>Dr. M. N. V. Prasad, University of Hyderabad</p> <p>Dr. N. Rajendran, Vellur Institute of Technology, Vellur</p> <p>Dr. Venketeswara Sarma, University of Pondicherry</p> <p>Dr. U. V. K. Mohammed, University of Calicut</p> <p>Dr. Niranjana S. Chavan, Shivaji University, Kohlapur</p> <p>Dr. Tasneem Abbassi,, University of Pondicherry</p> <p>Dr. C. Raghunathan, Zoological Survey of India</p> <p>Dr. S. Ganapathy Venketasubramanian, Anna University, Chennai</p> <p>Dr. V. Sivasubramaniam, Phycospectrum Environmental Research Centre, Chennai</p>

Event	Date	Source of Funding	Outstanding Participants
			<p>Dr. K. K. Ramachandran, Member Secretary, Kerala State Council for Science, Technology, and Environment, Thiruvananthapuram</p> <p>Dr. M. Kumaran, Professor of Statistics, University of Kannur</p> <p>Dr. C. Namasivayam, Professor, Department of Environmental Sciences, Bharathiar University, Coimbatore</p> <p>Dr. A. Mohandas, Professor, School of Environmental Studies, Cochin University of Science & Technology,</p>

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.	530	3	13	100	100

* 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	94%	6%	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	2

NET	1
SET	0
GATE	1
KSCSTE-Ph. D. Fellowships	1
DST- INSPIRE	0

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M. Phil.		0%
PG to Ph. D.		5%
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	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 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

Category	Infrastructure Facility Available
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	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 : 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, workshops/ 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 considers 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.

1. National level conference conducted by the department: Environmental Conference -2015; 17-19 Feb. 2014.

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?

Students have cleared NET, GATE and other competitive examinations. Continuous evaluation is effectively used.

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

Resource person, invited lectures in national/international conferences, Organization 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

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 exams, 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 updation.

52. Future plans of the department.

- Bringing up general infrastructures 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
- Clean Padannakkad initiative with the objective of “Give back to the communities where we live and work”
- 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
ECONOMICS**
(SCHOOL OF ECONOMICS)

SELF STUDY REPORT

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 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. Economics & 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. programme; discontinued with the start of direct Ph. D. programme.

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

None

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	2	2
Asst. Professors	4	3	3
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. Abdul Kareem	M. A., M. Phil., Ph. D.	Associate Professor	International Economics	25	Ph. D. - 4 M. Phil. - 3
Dr. Baiju K. C. (HoD)	MA, Mphil, PhD, PGDIM	Associate Professor	Development Economics, Public Policy and Economic Planning	30	Ph. D. – 4 M. Phil. - 3
Dr. Anver Sadath C.	MA, PhD	Assistant Professor	Financial Economics, Micro 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	13	Ph. D. – 5 M. Phil. - 4
Dr. Syam Prasad	M. A., M. Phil., Ph. D. Post Doc	Assistant Professor	Development Economics, Health Economics	3	Ph. D. – 4 M. Phil. - 3
Mr. Vineeth. M	M. A, Ph. D. (submitted) N. E. T	Guest Faculty	Macroeconomics, Monetary Economics and Econometrics	-	-

*Including research experience from previous institute

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

1. Prof. Errol Dsouza, Professor of Economics, Indian Institute of management, Ahmadabad, delivered a talk on “Macro Economy and labour” during the conference on “Global Issues and Local Challengers to Development” during April 23-24 2010

2. Prof. Prabhav Patnaik, Chairman Planning board of Kerala visited the department to inaugurate conference on “Macro Economy and labour” during the conference on “Global Issues and Local Challenges to Development” during April 23-24 2010
3. Dr. K. J. Joseph, Professor, CDS Trivandrum delivered first K. N. Raj memorial lecture on 10.02.2011.
4. Dr. D. Narayana, R. B. I Chair Professor, Centre for Development Studies, Trivandrum has delivered a lecture on “Fixation of bus fair in Kerala” on 16th September, 2011.
5. Dr. Jeemol Unni, Director, IRMA, Anand, delivered a lecture on “Labour a resource in a globalizing world”, on 11th January, 2012.
6. Prof. Tapas K. Sen, National Institute of Public Finance and policy, New Delhi, delivered “Recent Development in State Finance in India” on 12th February 2014.
7. Prof. M. H Suriyanarayana, Indira Gandhi Institute of Development Research, Mumbai
8. Prof. M. Kunhaman, Tata Institute of Social Sciences, Mumbai
9. Prof. Joseph Tharamangalam, Professor Emeritus, Department of Sociology and Anthropology, Mount Saint Vincent University, CANADA, delivered “The Human Development Experience of Kerala and Cuba: Lessons and New Challenges on 14th February 2014.
10. Dr. Anuradha Balaram, I. E. S, Member Secretary, Chief Economic Advisor & Director, Project Financing Cell, Kerala State Planning Board, Govt. of Kerala, Thiruvananthapuram delivered "Kerala's Development: Perspective, Potential and Possibilities “on 14th February 2014.
11. Dr. S. Irudaya Rajan, Professor, Centre for Development Studies, Thiruvananthapuram, delivered Public Lecture on ‘Kerala Gulf Connections and its impact on Kerala Economy’ on 28.09.2012.
12. Dr. Michael Tharakan, Former V. C, Kannur University delivered Second KN. Raj memorial lecture ‘Historicizing Kerala’s Development on 04.03.2013
13. Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai. He delivered third K. N. Raj Memorial Lecture on ‘Power Sector Reforms in India’ on March 27, 2014.
14. Prof. R. Nagaraj, IGIDR, Mumbai, Visited department on December 16th 2014 to inaugurate three day national conference on “Economic Reforms Growth and Social Welfare”

15. Prof. Mary George delivered Kerala Economy: Challenges and Opportunities and Prof. B. A. Praksah George delivered State Finance in Kerala: Critical Issues on 17.11.2014, in connection with Kerala Foundation Day Celebrations.
16. Prof. Parasuram Director, TISS, delivered a keynote address in the inaugural function of the International conference on Public Policy and Conference in the Era of Globalisation on 12-14 February, 2014.
17. Dr. Govinda Rao, Professor Emeritus, National Institute of Public Finance and Policy, New Delhi, inaugurated International Conference on Economic Reforms, Growth and Sustainable Development: Changing role of Institutions on 16th February, 2015 and delivered a keynote on topic : Government Finance in India: Development, Poverty and Political Economy.
18. Dr. K. J. Joseph, Fellow, Centre for Development Studies (CDS), Thiruvananthapuram, delivered on the topic: Plantation economy and sustainable development on 16th February, 2015.
19. Dr. Vinish Kathuria, Professor, Indian Institute of Technology (IIT) Bombay, delivered on the topic: Role of IPR in growth- issues and challenges on 16th February, 2015.
20. Dr. Pulapre Balakrishnan, Fellow, Centre for Development Studies (CDS), Thiruvananthapuram, delivered on the topic: Macroeconomic Reversal In India on 16th February, 2015.
21. Dr. Amresh Samatharaya, Associate Professor, Pondicherry University, Puducherry, delivered on the topic: Current Microeconomic Scenario in India and the Role of Monetary Policy on 16th February, 2015.
22. Prof. S. Subramanian, ICSSR National Fellow, Madras Institute of Development Studies (MIDS), Chennai, delivered on the topic : Money metric poverty in India on 17th February, 2015.
23. Dr. M. H. Suryanarayana, Professor, Indira Gandhi Institute for Development Research (IGIDR), Mumbai, delivered on the topic: Marginalization: A Measure and Estimate on 17th February, 2015.
24. Dr. K. P. Kannan, former Director, Centre for Development Studies, Thiruvananthapuram, delivered on the topic: Inequalising Growth in India: Social and Economic Implications on 17th February, 2015.
25. Dr. K. L. Krishna, Chairman, Madras Institute of Development Studies, Chennai, delivered on the topic: Employment Aspects of Manufacturing Growth in India on 17th February, 2015.

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

Programme	% of Classes Taken by Temporary Faculty
M. A	16%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. A	10 : 1
Ph. D.	4.2 : 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	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	1
Total grants received (in ₹)		2,00,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. K. C Baiju	Problems of migrant women lab ours 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	1,50,000/-
Total Grant			1,14,50,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	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)	18	
Monographs	1	
Chapters in Books	8	
Edited Books	0	
Total Number of Books	2	
Books	ISBN	Publisher
Dr. K. C Baiju, <i>Wage Employment and income in the plantation sector of Wayanad district.</i>	ISBN 978-81-92-7973-5-9	NAS Publishers, Malappuram, Kerala
Dr. Syam Prasad, <i>A "Crisis in Making": The Pension System in India with Special Reference</i>	ISBN 978-3-639-24851-7	VDM publishers, 2010, Munich, Germany

<i>to Kerala.</i>	
Number listed in International Database	
Citation Index (Range)	1-29
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	-
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
Through registration in Conferences and Workshops	₹90,000/-

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

Nil

26. Faculty Serving in

Committees	Number
National committees	1 Dr Baiju K C serves as member of Academic Council, CUSAT
International committees	Nil
Editorial Boards	8
Any other (please specify)	1

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

Name of the Faculty	Programme Attended
Dr. Anver Sadath. C	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
Dr. Joseph T. J.	Refresher Course in Economics at UGC-Academic Staff College, University of Kerala, Thiruvananthapuram during 06-11-2014 to 26-11-2014

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
Doctoral/Post-Doctoral fellows	Nil
Students	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
Three day International Conference on Economic Reforms, Growth and sustainable development.	February 16-18, 2015	Partially sponsored by RBI, Mumbai	
Six days National level workshop on 'Research Methodology and Academic Writing in Economics'.	January 19-24, 2015	Internal funding	

Event	Date	Source of Funding	Outstanding Participants
Three day International conference on Public Policy and Conference in the Era of Globalization	February 12-14, 2014	Partially sponsored by RBI, Mumbai	
Two- day training programme on ‘ <i>Research issues and methods in India’s Plantation sector</i> ’.	January, 27-28, 2014	Partially sponsored by CDS Trivandrum	
Three-Day National Conference on ‘Economic Reforms, Growth and Social Welfare’.	December 16-18, 2013	Internal source	
National Seminar on the topic “livelihood in a globalizing world”. In honour of Dr. Verghese Kurian, the main architect behind India’s white resolution	Jan 11 2012	Internal funding	
Two days National conference on Global issues and Local challenges to Development	23-24 April, 2010	Internal funding	

31. Code of ethics for research followed by the departments

CU Kerala Ph. D. Guidelines

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. A				100	100
Ph. D.				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			
Ph. D.				

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	7
NET	13
SET	3
GATE	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0
Maulana Azad Fellowship	1

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M. Phil.	20.78%	
PG to Ph. D.	4.3%	
Ph. D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	0
	Other than campus recruitment	14.9% for PG and 19.23% for M. Phil.
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0%
universities within the State	16%
universities from other States	84%
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	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
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 : 22/42

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?

Nil

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

Nil

(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.

1. Third Professor K. N. Raj Memorial Lecture on ‘*Power Sector Reforms in India*’ by Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai., March 27, 2014
2. One day seminar on Economy, Development and Society: Kerala Experience., 17.11.2014
3. 5th Anniversary Celebration of the Department of Economics, October, 20-21, 2014
4. Third Professor K. N. Raj Memorial Lecture on ‘*Power Sector Reforms in India*’ by Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai., March 27, 2014
5. Public Lecture on ‘Kerala’s Gulf Connections and its impact on Kerala Economy, by Dr. S. Irudaya Rajan, Professor, Unit of International Migration, Centre For Development Studies, Thiruvananthapuram, 28-9-2012
6. One day Workshop on NSSO Databases, 1-11-2012
7. Third K. N. Raj Memorial Lecture by Dr Michael Tharakan, on ‘Historicizing Kerala’s Development’, 4-3-2013
8. Public Lecture on the topic “the fixation of bus fairs in Kerala, 16.09.2011
9. Strategies for sustainable and Equitable development of Kerala, 14.01.2010
10. Public lecture and classroom interaction by Renowned Economist Prof. M.

H. Suryanarayana Professor, Indira Gandhi Institute of Development Research (IGIDR) Mumbai., 23-9-10

11. Interaction with visually challenged children: sharing of experiences by both students & staff of the Dept. Of Economics, CUK and Govt. School for the Blind Kasaragod, 19/10/10

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

M. A: We follow power point lectures, multimedia presentation, 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. A Students. We also expose the students to companying –lead database Prowess from centre for monitoring Indian Economy and NSSO. ASI, Census, NFHS databases. To teach research methodology, we follow Statistical software like Stata, SPSS, and Eviews.

Ph. D. : Power Point Lectures, Student presentations, Paper discussions, Assignments, Examinations, field course. To teach research methodology, we follow Statistical software like Stata, SPSS, and Eviews.

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

Our objective is to poster research aptitude and the teaching skills of M. A and Ph. D Students. There for we have seminars and discussions as part of our curriculum in class. As an evidence of our mission some of are the M. A Students are presently join for Ph. D. programs under various universities across the country. Our PhD students have attended several national and international conference and workshop. 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. More than 70% of our students were girls thus we achieve gender endearment through higher education.

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

1. Dr. T. J. Joseph and Dr. Syam Prasad, Third Professor K. N. Raj Memorial Lecture on ‘*Power Sector Reforms in India*’ by Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai., March 27, 2014
2. Dr. P. Abdul Kareem, One day seminar on Economy, Development and Society: Kerala Experience., 17.11.2014
3. Dr. P. Abdul Kareem and Dr. T. J. Joseph, 5th Anniversary Celebration of

the Department of Economics, October, 20-21, 2014

4. Dr. T. J. Joseph and Dr. Syam Prasad, Third Professor K. N. Raj Memorial Lecture on ‘*Power Sector Reforms in India*’ by Dr. U. Sankar, Honorary Professor and Former Director, Madras School of Economics, Chennai., March 27, 2014
5. Dr. Syam Prasad & Dr. Joseph T. J., Public Lecture on ‘Kerala’s Gulf Connections and its impact on Kerala Economy, by Dr. S. Irudaya Rajan, Professor, Unit of International Migration, Centre For Development Studies, Thiruvananthapuram, 28-9-2012
6. Dr. Joseph T. J., Dr. Syam Prasad, & Dr. Anver Sadath C., One day Workshop on NSSO Databases, 1-11-2012
7. Dr. Syam Prasad & Dr. Joseph T. J., Third K. N. Raj Memorial Lecture by Dr Michael Tharakan, on ‘Historicizing Kerala’s Development’, 4-3-2013
8. , Public Lecture on the topic “the fixation of bus fairs in Kerala, 16.09.2011
9. Dr. A. M Ravindran, Strategies for sustainable and Equitable development of Kerala, 14.01.2010
10. A. M. Ravindran, Public lecture and classroom interaction by Renowned Economist Prof. M. H. Suryanarayana Professor, Indira Gandhi Institute of Development Research (IGIDR) Mumbai., 23-9-10
11. A. M. Ravindran, INTERACTION WITH VISUALLY CHALLENGED CHILDREN: SHARING OF EXPERIENCES By both STUDENTS & STAFF of THE Dept. Of Economics, CUK and Govt. School for the Blind Kasaragod, 19/10/10
12. A. M. Ravindran, Prof. K. N. Raj Memorial Lecture, 10-2-11

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

- DELTA club for career development of students.
- NET coaching for PG students
- Visit to ‘Bud Schools’ for Endosulfan victims.
- Quiz programs
- Faculty served as micro observer for general election 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.

Nil

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

Strengths:

1. Highly qualified and well experienced faculty with national and international exposure.
2. Well-equipped computer lab facilities with statistical packages for advanced econometric research.
3. Access to the national data bases to like PROWERS, Census. NSSO, ASI etc.
4. Networking with reputed institution within and outside the country

Weakness:

1. Our students are not having aspiration to go for higher education since they are from poor socio economic background.
2. Lack of sufficient infrastructure and supporting system

52. Future plans of the department.

- We aim to institute a centre, “Centre for Energy and Environment and also a Centre for Malabar studies.



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
EDUCATION**
(SCHOOL OF EDUCATION)

SELF STUDY REPORT

1. Name of the Department: Department of Education

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 Professional Studies

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

M. Ed. (English, Mathematics, Science, Social 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 and Semester System

Choice Based Credit and Semester System

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

None

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	2	2	2
Asst. Professors	4	4	4
Others			1*
*Academic Coordinator – 1			

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

Name	Quali-fication	Desig-nation	Specialization	Experi-ence (Yrs*)	Ph. D. / M. Phil. Guidance
Dr. M. A. Sudhir	M. A. (Psy) M. A. (Soc), M. Ed., Ph. D.	Professor & Academic coordinator (Term Ended on 5 Aug 2015)	Teacher Education, Environmental Education, Inclusive Education, Educational Research, Psychometrics	35 Yrs	Ph. D:12+8(Ongoing) M. Phil. : 15
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 Yrs	Ph. D:15+6 Ongoing
Dr. Amruth G Kumar	M.A. M.Ed. Ph.D., NET	Associate Professor	Economics of Education, Teacher Education, Higher Education, Critical Theory in education	10 Yrs	Ph.D: 4 Submitted) and 4 On-going)
Dr. Mohammed Unni Alias Musthafa	M.Sc.(Zoo), M.Sc. (Psy), NET, M.Ed. Ph.D.	Associate Professor	Science Education, Teacher Education, Psychological Perspectives of Education, Research Methodology, Environment Education, Distance Education	17 Yrs	Ph.D: 1 Submitted + 7 On-going
Dr. V. P. Joshith	M. Sc., M. Ed., Ph. D., NET	Assistant Professor	Educational Technology, Advanced Educational Statistics & Science Education	10 Yrs & 10 Months	Ph. D:5 (Ongoing)
Dr. Mary Vineetha Thomas	M. Sc., M. Ed., Ph. D., NET	Assistant Professor	Educational Psychology, Special Education & Science Education	1 Yr & 6 Months	

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 Yr	
Dr. Vanitha. C	M. A. M. Ed., Ph. D., NET	Assistant Professor	Special Education & Social Science Education	2 Yr	

*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. Ed	0%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Ed	Not Applicable

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

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	0
	National	2
Total grants received (in ₹)		28,30,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. V. P. Joshith	Social Skills Intervention of Hearing Impaired Students with Emotional Behavioural Disorder (EBD)	UGC-Research Award	2,00,000/-
Dr. Amruth G Kumar	A study on Certain Factors Relating to Information Skills of Post-Graduate Students	UGC-Research Award	14,00,000 (Research Grant+ Salary)
Dr. Amruth G Kumar	Framework for Classroom Based Critical Pedagogy: Lessons from Selected Teachers Working in Higher Education Institutions	ICSSR	12,00,000
Dr. Amruth G Kumar	Post Enumeration Survey of Schools in Pondicherry Union Territory	MHRD & Pondicherry Govt.	30,000
Total Grant			28,30,000/-

18. Inter-institutional collaborative projects and associated grants received

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

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)	142
Monographs	1
Chapters in Books	21
Edited Books	2
Total Number of Books	10
Number listed in International Database	-
Citation Index (Range)	-
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	1-2
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.

There were 3 such invitations to the faculty during the assessment period, as listed below:

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. M. A. Sudhir	Srilanka	MoE, Srilanka
Dr. V. P. Joshith	Singapore	National Institute of Education
Dr. Amruth G Kumar	Italy	Clute Institute Rome

26. Faculty Serving in

Committees	Number
National committees	2
	Dr. M. A. Sudhir Dr. K. P. Suresh
International committees	0
Editorial Boards	3
	Dr. M. A. Sudhir
	Dr. K. P. Suresh
	Dr. Thiyagu. K
	Dr. Amruth G Kumar
Dr. Mohammed Unni Alias Musthafa	
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 in ASC, Kerala University Refresher Course in Education, ASC, Bharathiar University
Dr. Thiyagu. K	Summer School Programme, ASC, Pondicherry University
Dr. Amruth G Kumar	Refresher Course in ASC Calicut University & ASC Pondicherry University
Dr. Mohammed Unni Alias Musthafa	Refresher Course in 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	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	3
Doctoral/Post-Doctoral fellows	Not Applicable
Students	Not Applicable

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

Not Applicable

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. Ed	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. Ed	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.

Not Applicable

35. Student progression

Not Applicable

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0
universities within the State	42.86%
universities from other States	57.14%
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	2
Students' Laboratories	1
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
From other institutions/ universities	Not Applicable

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

Not Applicable

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

A Consultative committee was formed to recommend the future initiatives of the university. The committee on its discussion felt the urgent need for quality teacher education department for promoting effective teacher education programmes in the National level. So they recommended starting department of Education and offering M. Ed., programme with interdisciplinary specialization.

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?**

Not Applicable

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

Not Applicable

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

Not Applicable

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.

Not Applicable

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

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.

Not Applicable

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
- Interdisciplinary approach in the programme
- CBCSS pattern in teacher education courses
- In internship and certification in teacher education programme
- Students are expected from all over India ensuring diversity in learning

Weakness:

- Need Research collaboration with International Research bodies & Universities
- Need advanced equipment, books and software
- 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 in National level
- To Become Environment Friendly Centre for Learning
- To come up within MOOC courses and Department Moodle.
- To start Programmes on Skill Development



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
INTERNATIONAL
RELATIONS & POLITICS**
(SCHOOL OF GLOBAL STUDIES)

SELF STUDY REPORT

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.)

B. A. /M. A Integrated Programme in International Relations, 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:

M. Phil. programme discontinued with the start of direct Ph. D. programme.

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

Nil

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	0	0
Others			9*
*Deputation Faculty – 2 & Guest Faculty – 9			

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. Girishkumar R (Up to 14 th January 2015).	M. A., Ph. D., LLB	Asso. Prof, on Deputation	International Political Economy	6	Ph.D: 2 M.Phil: 6
Dr. Jitha S R	MA, M. Phil., Ph. D., MPA, PGDHR.	Asso. Prof, on Deputation	Public Administration	21 yr and 10 month	Ph.D: 4 (On going)
Dr. Jayaprasad	M. A., Ph. D.	Asso. Prof, on Deputation	Political Thought.	21yr and 10 month	Ph.D: 7 (On going)
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	
Capital Centre					
Dr. Reinhart Philip	M.Phil Ph. D.	Guest Faculty	Political Theory and Political Economy.	2	
Dr. P. Sanal Kumar	Ph. D.	Guest Faculty	Hindi	20	
Dr. E. Rema Devi	Ph. D.	Guest Faculty	Malayalam	20	
Dr. Evangeline Shanti Roy (Up to 31 st March 2015)	Ph. D.	Guest Faculty	English	20	
Vivek V. S.	NET	Guest Faculty	English	8 month	
Asha Asok	M Phil, NET, SET	Guest Faculty	English	3yr and 5 month	

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

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

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

Programme	% of Classes Taken by Temporary Faculty
Integrated B. A/M. A	100%
M. A	70%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
Integrated B. A/M. A	10 : 1
M. A	7: 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)	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 and Comparative Politics.

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 ₹)		1,20,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Jitha S R.	'Bureaucracy and Human Rights in the Age of Globalisation with Reference to Kerala'.	UGC	Rs. 1,20,000/-
Total Grant			1,20,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	WTO Chair	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)	29
Monographs	0

Chapters in Books		9
Edited Books		2
Total Number of Books		9
Books	ISBN	Publisher
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>Human Rights in a Changing World</i> " (ed.) P. Sukumaran Nair, K " <i>Terrorisim, Human Rights and Civil Society Movements in India</i> "		Kalpaz Publications, New Delhi
Dr. K. Jayaprasad, <i>Sadahana Padham (Malayalam)</i>		Bharatheeya Vichara Kendra m, Thiruvananthapuram
' <i>Keralathintae Samoohika Parinamam</i> ' in " <i>Kerala Samskara Padanangal</i> " (M) (Ed) Prof. Panmana Ramachandran Nair,		D. C. Books, Kottayam.
Co-Editor <i>"Ekatma Manava Dharshanam-Dharshana Samvadam (Mal.)</i> ,		Bharatheeya Vichara Kendra m Thiruvananthapuram
Editor, <i>Pragati Quarterly Research Journal</i>		
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
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 1. Dr. K. Jayaprasad, Editor Pragathi Quarterly Research Journal, (ISSN 0973-377x) since 2007, Co-Editor Ekatma Manava Dharshanam- DharshanaSamvadam (Mal.),
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. Jitha S R	Orientation Course, October, November 1995, Kerala University, Trivandrum, UGC Refresher Course, 1 st to 31 st May 2002, M. G. University, Kottayam, UGC

Name of the Faculty	Programme Attended
	Refresher Course, 22 nd February to 23 rd March 2003, JNU, New Delhi, UGC
	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
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, 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	75
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	Nil
Doctoral/Post-Doctoral fellows	Nil
Students	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
Faculty Orientation	8 th August 2012	CU-Kerala	Dr. G. Gopa Kumar, Dr. Dharvesh Gopal Dr. Abdul Manaf

Event	Date	Source of Funding	Outstanding Participants
Students Orientation	9 th August 2012	CU-Kerala	Dr. G. Gopa Kumar
Students Library Orientation	9 th August 2012	CU-Kerala	Dr. Dinesan Koovakai, Assistant Librarian
Independence Day Film Screening	15 th August 2012	CU-Kerala	Organized by Students
Diplomatic lecture Series	3 rd September 2012		T.P Sreenivasan, Vice-Chairman, KSHEC
Launching of Students Activity Clubs Film Society, Discussion Forum, Green Club, Arts and Sports club	5 th September 2012	CU-Kerala	Organized by Students
Green the Campus Programme	7 September 2012		Prof. (Dr.) Jancy James
Visit Delampadi Panchayat	20 November 2012	CU-Kerala	Presidents, Delampadi Panchayat
Ecology Awareness Visit to Chandragiri River	28 February 2013	CU-Kerala	PG Students of 2012-14 Batch
3-Day International Conference on India & International Organizations Towards Multilateralism	20-22 March 2013	CU-Kerala	Ernst Ulrich Petersmann, Professor, European University Institute, Italy, T. P Sreenivasan, Vice-Chairman, KSHEC & Prof (Dr.) Gopa Kuma, ICCR Senior Fellow, Department of Political Science, University of Kerala

Event	Date	Source of Funding	Outstanding Participants
Human Rights Day celebration	14 Dec. 2012	CU-Kerala	Smt. Leela Kumari Ammas, Endosulfan Activist
International Seminar on Impact and Relevance of WTO/ International Trade on Kerala	17&18 September 2012	CU-Kerala	Harshavardhana Singh, Deputy General, WTO Dr. Shashi Taroor, Minister of State for HRD
International Peace Conference.	24 September 2014	CU-Kerala	Dr. Chung Sik Yong Dr. Robert Kittel
Lecture Series by Visiting Professor Amb. T. P. Sreenivasan.	29 September 2014	CU-Kerala	Amb. T. P. Sreenivasan
Special Lecture by on UN@70. United Nations Foundation day	24 October 2014	CU-Kerala	Amb. T. P. Sreenivasan
UN Day Celebration and Exhibition on "Glimpses of UN" .	29 October 2014	CU-Kerala	Prof. (Dr.) Gopa Kumar
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
Observance of World Aids Day Awareness programs; Red ribbon tagging.	1 December 2014		Organized by Students
Observance of Human Rights Day. Debate on	10 December 2014		Prof. (Dr.) Gopa Kumar

Event	Date	Source of Funding	Outstanding Participants
Human Rights of Weaker Section.			
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
Three day Lecture series	12, 13, 14 January 2015	CU-Kerala	Dr. A K Verma, Kanpur University
Condolence Meeting on the sad demise of Rejani Kothari.	19 January 2015		Prof. (Dr.) Gopa Kumar
Environmental Lecture Series at Capital centre	9 February 2015	CU-Kerala	Dr. C M Joshy, Associate professor Sacred heart college, Thevara
One Day Bi-Annual Diplomatic Lecture Series	11 February 2015		Amb. Ashok Sajjanhar on the theme “Look East to Act East”.
One Day Diplomatic Lecture Series.	12 February 2015	CU-Kerala	by Prof. Sooryanarayanan
One Day Diplomatic Lecture Series	12 February 2015	CU-Kerala	by Amb. Ashok Sajjanhar at Capital Centre.
Observance of International Women’s Day. Women in public sphere;.	9 March 2015		An experience shared by “Leelakumari Amma”. Skit, Exhibition

Event	Date	Source of Funding	Outstanding Participants
Inauguration of CUK Research Centre at KILA.	10 March 2015.		At KILA
“Budget Analysis” Debate and discussions over the Union Budget 2015.	17 March 2015		Dr Vineeth M, Faculty, Department of Economics
Field visit to Jawaharlal Nehru Tropical Botanical Garden and Research Institute by Capital Centre.	21 March 2015		Dr. Renhas Philip & Dr. Jitha S R
One week Internship Programme at KILA on Rural Urban Development and Local Governance.	2013-15 Batch	KILA	15 M.A Students, KILA, Thrissur

31. Code of ethics for research followed by the departments

Ph. D. regulations are strictly followed
 Anti-plagiarism measures are taken

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
Integrated B. A/M. A	300	20	32	NA	NA
M. A	250	26	38	100	100
Ph. D.	40	5	1	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 B. A/M. A	NA	100	0	2
M. A	NA	97.5	1.5	1.5
Ph. D.	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	1
SET	0
GATE	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M. Phil.	5%	
PG to Ph. D.	5%	
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.	2
D. Sc.	Nil
D. Litt.	Nil

38. Present details of departmental infrastructural facilities with regard to

Category	Infrastructure Facility Available
Library	Department has a library with limited books and facilities. Adequate number of books have been recommended by the faculty council of the department time to time, most of them 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	2
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
Rahul Rajan	Dr. R Girish Kumar
Arun K V	Dr. R Girish Kumar
Riju Stephan	Dr. R Girish Kumar
Aleena Thomas	Dr. Jitha S R
Shameem C	Dr. Jitha S R
Barnabas Sebastian	Dr. Jitha S R

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

M. A. Students : 10/64

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?

Yes. Regular feedbacks are taking through monthly reports and faculty meetings. Changes are incorporating as per feedback

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

Yes. Regular feedbacks are collecting. Changes are incorporating as per 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. Special Lecture, Krishnanunni IAS., 10th August 2012
2. International Seminar, T. P. Sreenivasan, Chairman, Centre for Diaspora Studies, 20-22 March 2013
3. Universal Peace Foundation celebration., Dr. Chung Sik Yong, Chairman, UPF-Asia, 24th & 25th September 2014
4. Universal Peace Foundation celebration., Dr. Robert S Kittel, Director of Education, UPF-Asia, 24th & 25th September 2014
5. Special Lecture, Amb. T. P. Sreenivasan, Chairman, Kerala State Higher Education Council., 29 September 2014
6. Special Lecture, Dr. A K Verma., Professor, Kanpur University, 12, 13, 14 January 2015
7. One Day Bi-Annual Diplomatic Lecture Series, Amb. Ashok Sajjanhar,

Secretary, National Foundation for Communal Harmony, Ministry of Home Affairs, 11 February 2015

8. One Day Diplomatic Lecture, Prof. Sooryanarayanan., Chair Professor, Nelson Mandela Chair, School of IR, M. G. University, Kottayam, 12 February 2015
9. 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.

Integrated B. A/M. A & M. A: Lectures, Group discussions, Seminar Presentations, Class tests, Quiz Power Point presentation, Student presentations, Assignments, Examinations, field works, et.

Ph. D.: Lecture with Power Point presentation, Student presentations, Paper discussions, Assignments, Examinations, field works, etc.

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 opportunity to 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 programs for the benefit of the student community in the campus. Our students took initiative to form nature club, film club, discussion forum etc. They observe Gandhi Jayanthi, AIDS day, Swatcha bharat etc. Also conducting NET training programmes and a career development programme in the name of 'Horizon'.

One week Internship Programme at KILA on Rural Urban Development and Local Governance co-ordinated by UP Anilkumar. Fifteen students from 2nd Year MA (2013-15) has attended and 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.

4. Dr. K Jayaprasad, Participated in the discussion, All India Radio.
5. 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.
6. 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.
7. 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
8. Dr. K. Jayaprasad, ‘Swami Vivekananda and Philosophy of Education” in the National Seminar organised by UGC-, 24th Sept. 2014, Academic Staff College, Calicut University, Presented paper
9. Dr. K. Jayaprasad, “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
10. Dr. K. Jayaprasad, “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
11. Dr. K. Jayaprasad, 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
12. U. P. Anilkumar, One Day International Peace Conference on ‘Building Nations of Peace : Our Shared Responsibility’, 24th September 2014, Central University of Kerala, Participation
13. 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
14. 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

15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

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

- Social service and extension programmes are planned for the period 2015-16

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

Equivalency has 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 Department of International Relations & Politics, a vibrant and growing entity of the school of Global Studies (SGS), Central University of Kerala, offers matchless opportunities for higher learning in international law, diplomacy, defence studies, national/international security, diaspora studies, public policy, constitutionalism, global governance, decentralized planning, administration, environmental sustainability, gender and human rights. The department has an interdisciplinary approach to the study of international relations., and its

curriculum includes a wide spectrum of courses such as Theories of International Relations, Research Methodology, Security and Strategic Studies, Foreign Policy Analysis, International Political Economy, International Law, Diplomacy, Defence Studies, International Security, International Organisation. . The Department's innovative centres of research – Centre for Diaspora Studies, Centre for Policy Sciences and Regional Planning, Centre for Defence Studies, and Centre for WTO Studies– have shown signs of take-off.

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

The department has good infrastructure facility and computer lab and has good relationship with the scholars and academic centres in different states of India and abroad. Since the Department has started in 2012 only many initial difficulties in terms of library, permanent staff etc are remaining to overcome.

52. Future plans of the department.

1. Academic activities planned for 2015-16 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
2. Research activities planned for 2015-16
 - Paper presentation and periodical review of research in open forum
 - Formation of Researcher's Forum
 - Plan to organize Research Methodology Workshop
3. Extension activities planned for 2015-16
 - Plan to undertake extension activities in Tribal Settlements



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
ENGLISH & COMPARATIVE
LITERATURE**
**(SCHOOL OF LANGUAGES & COMPARATIVE
LITERATURE)**

SELF STUDY REPORT

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. The Department is a part of the School of Languages and 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 English & Comparative Literature & Ph. D. English & Comparative Literature

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:

MPhil English & Comparative Literature. The programme was discontinued in 2013 with the introduction of the direct PhD programme with a mandatory Course work component.

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

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 Sahityakar (with the Dept. of Hindi and Comparative Literature)

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	2	2
Asst. Professors	4	3	3
Others			2*
* On Contract Basis – 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. Prasad Pannian	M. Phil., Ph. D., JRF & NET	Associate Professor & Head (Dept. of English & Comparative Literature) & Dean, School of Languages and Comparative Literature	Literary Theory, Cultural Studies, Everyday Life, Anthropocene, Alternative Modernities, Self and Subjectivity, Edward Said, Humanism/ Post humanism	11	M. Phil. 3 Ph. D. 6
Dr. Joseph Koyippally	Ph. D., JRF & NET	Associate Professor	Shakespeare, Diaspora Studies, Translation Studies, Semiotics	19	M. Phil. 5 Ph. D. 7
Dr. Vellikkeel Raghavan	M. Phil., Ph. D., NET	Assistant Professor	Theatre and Performance Studies, Film & Media Studies,	12	M. Phil. 2 Ph. D. 6

Name	Qualification	Designation	Specialization	Experience (Yrs*)	Ph. D. / M. Phil. Guidance
			Critical/Cultural Theory		
Dr. Shalini Moolechalil	M. Phil., Ph. D., NET	Assistant Professor	Women Writing, Postcolonial Theory, Gender Studies, Comparative Literary Theory	03	M. Phil. 2 Ph. D. 4
Dr. Asha S	Ph. D., JRF	Assistant Professor	Women and Islam, Academic Writing, Indian English Fiction	17	M. Phil. 3 Ph. D. 3

*Including research experience from previous institute

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

Visiting Professors:

- Dr. Rich Rice (Associate Professor, Department of English, Texas Tech University, USA)
- Dr. Kanika Batra, (Assistant Professor, Department of Comparative Literature, Texas Tech University, USA)
- Dr. E. Sreedharan, (Associate Professor in Sanskrit, Sree Sankara University of Sanskrit, Kalady)
- Prof. EV Ramakrishnan, UGC Professor Emeritus from September 2015 onwards

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

Programme	% of Classes Taken by Temporary Faculty
M. A	28%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. A	3 : 1
Ph. D.	1.3 : 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	1*
Administrative staff	-	0	0

* Outsourced staff

16. Research thrust areas as recognized by major funding agencies

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	0
	National	1
Total grants received (in ₹)		22 Lakhs

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Vellikkeel Raghavan	Research Award	UGC	22 Lakh
Total Grant			22 Lakh

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	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)	30	
Monographs	0	
Chapters in Books	09	
Edited Books	8	
Total Number of Books	2	
Books	ISBN	Publisher
Raghavan, Vellikkeel. <i>Agitation Propagation Propaganda Theatre</i>	ISBN 978171429173	Unistar Books, Chandigarh (2009)
Prasad, Pannian. Guest Editor. <i>The Scarlet Letter</i> (with a new introduction)	ISBN 9788126427499	DC Books, Kottayam, 2010
Prasad Pannian. Guest Editor. <i>The Strange Case of Dr. Jekyll and Mr. Hyde</i> (with a new introduction – e book)	ISBN 9788126433407	DC Books, Kottayam, 2011
Raghavan, Vellikkeel. Editor. <i>Post 9/11</i> . Focal theme based issue of <i>Humanities Circle</i> , 1(1): 2013	ISSN 23218010	CU Kerala, January 2013
Raghavan, Vellikkeel.	ISSN 23218010	CU Kerala, June 2013

<i>Discourse of Disposessions.</i> Focal theme based issue of <i>Humanities Circle</i> , 1(2): 2013		
Raghavan, Vellikkeel. <i>Politics of Mobility and Identity.</i> Focal theme based issue of <i>Humanities Circle</i> , 2(1): 2014	ISSN 23218010	CU Kerala, January 2014
Koyippally, Joseph. <i>Goat Days</i> (English Translation of Benyamin’s Malayalam novel <i>Aadujeevitham</i>)	ISBN 9780143416333	Penguin, 2012
Koyippally, Joseph, and Sreenathan M (Eds). <i>The Languages of Kerala and Lakshadweep.</i> PLSI Volume 15, Gen. Ed., GN Devy. 2014.	ISBN 9788125056270	Orient Blackswan, New Delhi, 2014
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.

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr Prasad Pannian	Canada	Carlton University and Ottawa University
	India	“School on Gandhi”, Indian Institute of Advanced Studies, Shimla, 2012
	USA	School of Criticism and Theory

		(SCT) at Cornell University, Ithaca, New York, 2013
	India	Institute of Development Studies, Jaipur, India, 2013
Dr Vellikkeel Raghavna	Canada	Graduate Centre for Study of Drama, University of Toronto, Canada.
	India (Pune)	Film and Television Institute of India (FTII)
	India (Madras)	IIT
Dr Shalini Moolechalil	UK	London Critical Theory School at Birkbeck Institute for Humanities, University of London, 2013

26. Faculty Serving in

Committees	Number
National committees	1
	1. Dr Joseph Koyippally as Member Advisory Committee as Translation of Malayalam Books, Malayalam University
International committees	1
	1. Dr Prasad Pannian as Faculty at the Global Centre for Advance Studies (GCAS) in the United States
Editorial Boards	1
	1. Dr. Prasad Pannian serves as the Editor of <i>Humanities Circle</i> , the International Journal of Central University of Kerala, from March 2015 onwards
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 Prasad Pannian	London Critical Theory School at Birkbeck Institute for Humanities, UK (11-22 Jun 2012)
	Winter School on "Life and Thought of Gandhi", 1-15 Dec 2012, Indian Institute of Advanced Studies, Shimla

Name of the Faculty	Programme Attended
	<p>2013 session of the School of Criticism and Theory (SCT) at Cornell University, Ithaca, New York from 16 June to 26 July 2013.</p> <p>International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges, 25-26 March 2010, Dept. of Comparative Literature, Central University of Kerala, Kasaragod.</p>
Dr Joseph Koyippally	<p>National Workshop on the Impact of Bible Translations on Indian Languages and Literature, 17 March 2011, Dept. of English & Comparative Literature, Central University of Kerala.</p> <p>International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges, 25-26 March 2010, Dept. of Comparative Literature, Central University of Kerala, Kasaragod.</p> <p>National Workshop on the Impact of Bible Translations on Indian Languages and Literature, 17 March 2011, Dept. of English & Comparative Literature, Central University of Kerala.</p>
Dr Vellikkeel Raghavan	<p>International Workshop on Curriculum Development for Comparative Literature: Scope and Challenges, 25-26 March 2010, Dept. of Comparative Literature, Central University of Kerala, Kasaragod.</p> <p>National Chapter Leaders Workshop of English Language Teachers Association of India, 18-19 April 2010, British Council India, Chennai and English Language Teachers Association of India.</p> <p>National Workshop on the Impact of Bible Translations on Indian Languages and Literature, 17 March 2011, Dept. of English & Comparative Literature, Central University of Kerala.</p> <p>International Level Film Appreciation Course (FAC), 16 May-11 June, 2011, Film and Television Institute of India (FTII), Pune and Nations Film Archive of India (NFAI), Pune.</p> <p>Theatre Workshop, 19 March to 01 April, 2012, Dept. of English & Comparative Literature, Central University of Kerala.</p>

Name of the Faculty	Programme Attended
	Kerala International Screenwriting & Film Making Workshop, 01 June to 10 June, 2012. School of Humanities and Social Sciences, Indian Institute of Technology, Madras.
Dr Shalini Moolechalil	2013 London Critical Theory School, 01-12 July 2013, at Birkbeck Institute for Humanities, London.

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
Awardee	Award
Dr. Prasad Pannian	1. UGC-Cornell University matching Fellowship: Session of School of Criticism and Theory, Cornell University, Ithaca, New York, United States-2013
Dr Joseph Koyippally	2. Shortlisted for DSC Prize for South Asian Literature, Man Asia Booker Prize (for <i>Goat Days</i> , Penguin, English)
Dr Vellikkeel Raghavan	3. IIAS, Associateship, 2015-2017
Dr Vellikkeel Raghavan	4. UGC Research Award 2014-16
Doctoral/Post-Doctoral fellows	2
Awardee	Award
Rukhaya, M. K.,	Women's Domination award for short-story writing organized by the Forgotten Writers' Foundation, Egypt
Rukhaya, M. K	Chosen as Yahoo Voices Top 1000 on an international level for the year 2013
Students	Nil
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 Seminar on 'Englising Dalits: Questions of Caste, Colonialism and Nationalism'	11 March 2010	CU Kerala	Dr. Chandrabhan Prasad, Ms. MeenaKandaswamy, Dr. ShyamBabu, Dr. M Dasan, and Dr. Tharakeswar Prasad
International workshop on 'Curriculum Development for Comparative Literature: Scope and Challenges'	25-26 Mar 2010	CU Kerala	Prof. Dorothy Figuiera, Prof. SigieldBogumil, Prof. Harish Trivedi, Prof. EV Ramakrishnan, Prof. Chandramohan, Prof. AK Singh, Prof. IpshitaChanda, Prof. Scaria Zacharia, Ms. Mini Krishnan
National workshop on 'The Impact of Bible Translation on Indian Languages and Literatures'	17 March 2011	CU Kerala	Dr. Mathew Vellanickal, Dr. George Kurikkooor, Dr. ScariaZacharia, Dr. Rosy Thampi, and Dr. Jayakumar
National Interactive Workshop 'Image-Stage-Page'	7-8 October 2011	CU Kerala	Prof. HS Shivaprakash, Dr. Rich Rice, Ms. Maya Krishna Rao, Ms. Madhushree Dutta, Mr. Sadanand Menon, Dr. Kanika Batra and Ms. Aparna Sharma
International Conference on 'Traditions of Dissent in Sub continental Literatures and Cultures'	15-17 Oct 2012	CU Kerala	Prof. Dorothy Figuiera, Prof. Jancy James, Prof. Jasbir Jain, Prof. GN Devy, Senath Walter Perera, Prof. Harish Trivedi, Prof. EV Ramakrishnan, Prof. Chandramohan, Prof. AK Singh, Prof. Ipshita Chanda, Prof. Prabodhachandran Nair

Event	Date	Source of Funding	Outstanding Participants
National Symposium on 'Everyday Life'	27th & 28th March 2013	CU Kerala	Prof. Gopal Guru (Professor, Centre for Political Studies, Jawaharlal Nehru University), Prof. Shiv Visvanathan (Professor and Executive Director, Centre for the Study of Science, Society and Sustainability, OP Jindal Global University) Prof. Sunder Sarukkai (Director, Manipal Centre for Philosophy & Humanities, Manipal University) Prof. Udayakumar Dr. CS Venkiteswaran Prof. P. P. Raveendran
Symposium on the "Discourse of Endosulfan: Toxic Bodies and Corporate Poisons"	19 th & 20 th February 2015	CU Kerala	Leelakumari Amma (environmental activist), Sreepadre, Dr. YS Mohankumar, Civic Chandran, C. Jayakumar, MA Rahman (environmental activist and creative writer), Ambikasuthan Mangad, Madhuraj, Dr. Muhammad Asheel, Sachin Narayanan, KR Manoj, Dr. Biju, Manoj Kana, Dr. Sreekumar

31. Code of ethics for research followed by the departments

CUK Animal Ethics committee approval

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:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. A.		18	56	100	100
Ph. D.		4	10	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	95.96%	4.04%	0%
Ph. D.	60%	40%	20%	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	14
SET	4
GATE	
KSCSTE-Ph. D. Fellowships	
DST- INSPIRE	

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M. Phil.		9%
PG to Ph. D.		7%
Ph. D. to Post-Doctoral		Not Applicable
Employed	Campus selection	4%
	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	60%
universities from other States	40%
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 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 room	4
Class rooms with ICT facility	4
Students' Laboratories	1 (30-seat fully digital language lab which has about 3000 hours of self-learning English language proficiency and corrective programmes)
Research	0

Category	Infrastructure Facility Available
Laboratories	

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

Awarding Institution	Number of PDF/RA
From the host institution/university	8/14
Name of Doctoral/PDF students or RA	Advisor
Indu Mary Yesudasan	Dr Joseph Koyippally
Sarah Mariam Roy	
Shijomon K V	
Honey Joseph A	
Manju V	
Mary Haritha M C	
Jayalakshmi E.	Dr Shalini Moolechalil
Eldhose A Y	Dr Vellikkeel Raghavan
Manjusha	Dr Prasad Pannian
From other institutions/ universities	5/15
Name of Doctoral/PDF students or RA	Advisor
Aby Abraham	Dr Shalini Moolechalil
Micah. K. Thambi	
Sapna P C	
Maneesha. K	Dr Prasad Pannian
Rukhaya Mohammad Kunhi	Dr Joesph Koyippally
Biju V K	Dr Asha S

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

M. A. Students : 75%

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.

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 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 (targeted) 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 thus collected is utilized for curriculum revision, which is done every three years. 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) 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

(c) 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. However, the Department regularly organises conferences/seminars/workshops/symposia/, on the sidelines 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. Some of our students are research scholars in JNU and HCU.

1. Mr. Abdul Hameed PA (of the first MA batch) got a permanent job at Zakeern Hussein College, New Delhi.
2. Ms. Shamah (of the first MPhil batch) is a research Scholar in a University in Malasi

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

1. 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:
2. Katha Public Interface Programmes: Katha I - Many Ramayanas. Prof. Paula Richman, 'The Unique Ramayana Tradition of the South' (22 January 2010)
3. Katha I - Many Ramayanas. Prof. MN Karassery on "Literary Traditions of North Malabar' (22 Jan 2010)
4. Prof VB Tharakeswar (EFLU Hyderabad) lecture on Prospects of Comparative Literature and Translation Studies (12 March 2010)
5. D Shyam Babu (Rajiv Gandhi Institute for Contemporary Studies, New Delhi) Interaction with the postgraduate students (12 March 2010)
6. Mr Chandrabhan Prasad, Dalit scholar and activist, interacted with the postgraduate students (12 March 2010)
7. Prof. Scaria Zacharia Invited Lecture on "Comparative Literature: Epistemology and Thematology", (8 Dec 2010)
8. UGC-NET Coaching Programme I: 29 October to 22 December 2010.
9. Meet the Author I : Anand, Malayalam novelist from New Delhi, Lecture on the 'Representation of Nature in his works' (20 Dec 2010)
10. Katha II - Heroes and Anti Heroes at Play. Prof. Paula Richman, "Tragic Hero and the Indian Dramatic Tradition with special reference to Ravana" (3 January 2011)
11. DCL Lecture I. Prof. J. Devika, CDS, Thiruvananthapuram 'Feminist Debates in Kerala'(11 February 2011)
12. DCL Lecture II. Prof. Sundar Sarukkai (Director, Manipal Centre for Philosophy & Humanities, Manipal University) on 'Language of Culture. ' (17 February 2011)
13. Dr. Rich Rice (Assoc. Professor, Texas Tech University, USA), Workshop on Internet etiquette (23 Sept 2011)
14. Katha III - From Image to Stage to Page. Prof. HS Shivaprakash, "Image-Stage-Page" (7-8 Oct 2011)
15. Dr. Rich Rice (Assoc. Professor, Texas Tech University, USA) conducted workshop on CV Writing (18 Oct 2011)
16. Meet the Author II - A. C Sreehari, addressed the Literary Club of the

Department and gave a Talk on Minority Literature (22 March 2012)

17. UGC NET Coaching Programme II from 03-08 May 2012.
18. Dr. Thomas Abraham One day personality development programme, “I Change” (17 July 2012)
19. Dr. Ravi Mammen, (Research Fellow, SOAS, London) Lecture on “Interrogating Modernity in Kerala” (4 September 2012)
20. Dr. Michael PJ (Director, Knowledge Consortium, UK), Talk on “Career Options and profiling oneself” (6 September 2012)
21. Dr. M Sreenathan, Lecture on “Indo-European Homeland” (11 Oct 2012)
22. Meet the author III: Dr. Sara Aboobakar, contemporary Kannada novelist interacted with the students of DCL (16 Oct 2012)
23. Prof. Prabodhachandran Nayar, Lecture on “Contrastive Phonetics: English and Malayalam” (20 Oct 2012)
24. Prof. Arkadi Nedal, Sorbonne University, Paris, on 'Phenomenology of Perception', (25 Jan. 2013)
25. Dr. Hariprasad Lecture on Film Studies (03 February 2013)
26. Language Proficiency Test, Ms. Preeta Varma, Regional Manager, SB Global, Kannur) Diagnostic Language Expert, 15th February 2013)
27. Dr. KK Chakravarti, Chairperson, Lalit Kala Akademi, New Delhi, on "Art and Appreciation" (1 Mar. 2013)
28. Prof. Kunal Chattopdyaya Lecture series (13-16 May 2013)
29. Dr Makarand Paranjape Vivekananda Lecture Series II (10 December 2013)
30. Meet the Author IV: Benyamin (21 January 2014)
31. Meet the Author V: Sithara S (19 February 2014)
32. Meet the author VI: PV Shajikumar (03 April 2014)
33. Florian Schybilaski, Lecture (03 December 2014)

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

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.

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.

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

In the end-of-the-year Faculty Council meeting, the Department 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, industry, employers, 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.

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:

1. 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
2. The students of the Department formed a theatre group Alami and staged excerpts from Manjula Padmanabhan's play *Harvest* on 1 April 2012.
3. Aparna Prasad & Shybu KP (MPhil) participated in the "Film Appreciation Course" held at Goa from 16 to 23 July 2012
4. The students make weekly/fortnightly research presentations in the Research Forum of the Department.
5. The students regularly contribute creative and critical pieces to the Wall Magazine started by the Literary Club of the Department
6. 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
7. 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.

8. 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, Karanataka (21st October 2012).

Student Participation in National/International Conferences/ Workshops

It is a matter of pride and honour to the Department that our postgraduate and PhD students present papers regularly in national/international conferences/workshops/symposia. The presentations include:

1. Sreedevi TK 'Popularity of Folksongs and Televisualisation', Deurbai Memorial national seminar, Jadavpur University, Calcutta (15-16 Dec. 2010)
2. 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. 2010)
3. Abdulhameed PA 'The Dimensions of Popularity: Mappilappattu as Popular Music', Deurbai Memorial National seminar Jadavpur University, Calcutta (15-16 Dec. 2010)
4. 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. 2011)
5. Abdulhameed PA 'Linguistic Interfaces as Intermediary Relationship: Rethinking Arabimalayalam' CLAI international seminar, Dept. of Comparative Literature, Central University of Gujarat, Gandhinagar (3-6 March 2011)
6. Abdulhameed PA 'Englishing or Englisng Dalits: the Question of Language as a Tool for Liberation' Pondicherry University (31 Mar. 2011)
7. Eldhose AY 'Politics of Humanization of Ravana with special reference to Ravan by 'Maniratnam', St Joseph's College, Iringalakuda (23 Mar. 2011)
8. Eldhose AY 'Contextualising Lived Lives: a Dalit Feminist perspective of P Sivakami's The Grip of Change' Pondicherry University (31 Mar. 2011)
9. Jayalakshmi E 'Subversive smruthies: Identity Explosion on the Autobiography of Nalini Jameela', Pondicherry University, (31 Mar. 2011)
10. Manju VV 'Dalit Feminism and Modern Indian Theatre: A Study with reference to Baliyadukal' Pondicherry University (31 Mar 2011)

11. Shijomon KV 'Critiquing the intention of the author: A Re-reading of The Scarlet Letter', National Seminar, Christian College, Chenganoor. (02 Sept 2011)
12. 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 2012)
13. Shijomon KV 'Visual Rhetoric: Re-creation of Visual Language in a Multi Lingual World', International Seminar, Catholicate College Pathanamthitta (24 Jan 2012)
14. 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. 2012)
15. 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, 2012)
16. Eldhose AY '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. 2012)
17. Eldhose AY 'Alien Mothering and Patriarchal Expansion: Reading of Popular movie Enthiran', National Seminar, SH College Thevara (26-27 Apr. 2012)
18. 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 2012)
19. Eldhose AY '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. 2012)
20. Mary Haritha M. C '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. 2012)
21. 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 2012)

22. Mary Haritha and Krishnapriya S participated in the Translation Workshop, CIIL, Mysore. 2013
23. Rukhaya, M. K., "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 March 2015)
Resource person
24. Rukhaya, M. K., "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 2014)
25. Rukhaya, M. K., "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 2014).
26. V. K, Biju. "Aesthetics of Negation in the Works of Kunhunni." International Conference on *Translations and Migrations*, Bhaasha Foundation, Pune (21-22 Nov. 2014)
27. V. K, Biju. & 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 2015)

Student Publications in Books/ Peer-reviewed Journals

Apart from participation in national/international conferences/ workshops/ symposia, many of our students have also published in peer-reviewed national/international journals. Some of their MA dissertation projects have been published as books. Prominent student publications include:

1. Abdul Hameed P A Naduthoppil Abdhulla's Akbar Sadaqa Pakshippattu: Translation and Study (MA Dissertation), CUK, 2012
2. Manjusha Translation, *Nanajja Diverted the River*, (MA Dissertation), Oxford University Press, forthcoming.
3. Shijomon K. V. Visual Rhetoric: Re-creation of Visual Language in a Multilingual World' Conference Proceedings, PGDE Catholicate College, Pathanamthitta. 2012
4. Shijomon, K V. Critiquing the Intention of the Author: A Re-reading of The Scarlet Letter' Conference Proceedings, DEC, Christian College, Chengannur. 2012
5. Eldhose A Y 'Politics Behind Humanizing Ravana: A study with Reference to the Film Raavan by Mani Ratnam', Re-visitations: The Politics of Rewriting Old Texts Irinjalakuda: St Joseph College, 2011, 49-53.

6. Rukhaya M. K, Edited all the issues of The Discourse (ISSN 2278- 0920) quarterly bilingual refereed research journal of humanities and social sciences from April 2014.
7. Rukhaya, M. K., "Destabilizing Foundations in Alan Sillitoe's Loneliness of the Long Distance Runner. " Glimpses– An International Journal of Multi-Disciplinary Research ISSN 2250-0561(2014).
8. Rukhaya, M. K., "Destabilizing Hierarchies in Mahesh Dattani's Plays. " Dattani's Plays: Staging the Invisible. ISBN 978-93-82647-07-2. New Delhi: Authorspress, 2015. Print.
9. Rukhaya, M. K., "Dispossessing Reality: Manjula Padmanabhan's Harvest. "International Journal on Multicultural Literature (IJML) 5.2 ISSN 2231-6248(2015): Print. (Accepted)
10. Rukhaya, M. K., "Divorced Dichotomies: Graham Greene' 'Power and the Glory". LangLit An International Peer-Reviewed Open Access Journal 1.3 ISSN 2349-5189(2015): Print.
11. Rukhaya, M. K., "Emily Dickinson's Poems: Telling the Truth Slant". LangLit An International Peer-Reviewed Open Access Journal 1.4 ISSN 2349-5189(2015): Print. (Accepted)
12. Rukhaya, M. K., "Edward Said's Orientalism: Building a Self-Reflexive History. " World Journal of Gender and Literature. "ISSN 2349 1620. July 2015. Print. (Accepted)
13. Rukhaya, M. K., "Girish Karnad's Hayavadana: The Quest for Completeness or Perfection. "Littcrit: An Indian Response to Literature. ISSN 0970 8049. Print. (Accepted)
14. Rukhaya, M. K., "Girish Karnad's Tughlaq: Exiled from Himself. " Critical Space: A Peer-reviewed (refereed) International Journal in English Language and Literature 3.3. ISSN 2319-3689. June 2015. Print. (Accepted)
15. Rukhaya, M. K., "Gopal Guru's Egalitarianism and the Social Sciences: Theorizing Experiences or Experiencing Theory?" Labyrinth 6.2- An International Refereed Journal of Postmodern Studies ISSN 0976-0814 (2015): Print.
16. Rukhaya, M. K., "Harold Pinter's Homecoming: The Return to Roots. " Criterion: An International Journal ISSN 0976-8165 (2013).
17. Rukhaya, M. K. "Raymond Williams's "Marxism and Literature: Tracing the Historicity of Literature. " The Context: A Peer Reviewed Journal of Language, Literature and Cultural Studies 2.2. ISSN 2349-4849.

18. Rukhaya, M. K., "Replication of Diaspora in Gauri Shinde's English Vinglish. " Singularities : A Transdisciplinary Biannual Research Journal 2015 . ISSN 2348-3369. Print. (Accepted)
19. Rukhaya, M. K., "Results. " The Art of Being Human. Vol. 2. Ed. Daniela Voicu and Brian Wrixon. Ontario: Brian Wrixon Books, 2013. Print.
20. Rukhaya, M. K. "Samuel Beckett's Endgame: A Classic Example of the Theatre of the Absurd. " Voices of the Indian English Writers: An International Refereed Journal on Indian English Literature. ISSN Number 2347-7717 Vol 1, New Delhi : Authorspress. 2013. Print.
21. Rukhaya, M. K., "Sisir Kumar Das's "Comparative Literature in India:" Transcending Boundaries. " European Academic Research: International Multidisciplinary Journal 2.12. ISSN 2286-4822.
22. Rukhaya, M. K. "Sylvia Plath's Daddy: The Mummified Daddy. " Twentieth Century American Poetry. 2014. Print.
23. Rukhaya, M. K., "Sylvia Plath's Tulips and Lady Lazarus: Relative Intruding. " European Academic Research 2.12. ISSN 2286-4822 (2015). Print.
24. Rukhaya, M. K. "The Poems of Robert Frost: Connotations more than Denotations. " The Discourse: A bilingual refereed research journal 2.3. ISSN 2278- 0920(2013): 22-35. Print.
25. Rukhaya, M. K. "The Poetry of Ted Hughes: Metaphors or Extended Analogies. " Critical Space: A Peer-reviewed (refereed) International Journal in English Language and Literature 4.1. ISSN 2319-3689. October 2015. Print. (Accepted)
26. Rukhaya, M. K. "The Second Half. "Acerbic Anthology: Protest Poetry and Short Fiction against Gender Violence and Rape. Ed. Sunil Sharmaand Mutiu Olawuyi. CreateSpace.
27. Rukhaya, M. K., "Shashi Deshpande's "Roots and Shadows": No Roots, Only Shadows. Academia. (March 2014). Print.
28. Rukhaya, M. K., "Manjula Padmanabhan's "Harvest: Bodily Encounter with the (M)other. "WEC: An International Biannual Refereed Journal of Language and Literature 5.2(2015)Guild of Indian English Writers Editors and Critics. Print.
29. Rukhaya, M. K., "Mahesh Dattani's Tara: The Other Side. " Mahesh Dattani: His Stagecraft in Indian Theatre Ed. Dr. Vishwanath Bite. New Delhi: Authorspress India. ISBN-978-81-7273-737-5, 2013. Print.
30. Anagha and Vellikkeel Raghavan. Crow-Dream. Translation of A. Santhakumar's Malayalam play into English. Indian Literature. Sahitya

- Academy, New Delhi, India. Vol. LVII No. 4, Issue No. 276 July/August 2013, pp. 146—157. (ISSN 0019580-4).
31. Eldhose A. Y., “Political Conscientization through Street Theatre: A Study with Reference to Kalyanasaugadhikam. ” Research in Drama Education: The Journal of Applied Theatre and Performance 19.4 (Nov 2014): 340-354. Print ISSN 1356-9783.
 32. Eldhose A. Y., “Plays and Counter-plays: An Intertextual Analysis of Communist and Anti-Communist Plays in Malayalam Theatre. ” Journal of South Asian Studies 2.2 (2014): 131-143. Print. ISSN: 2307-4000 (Online), 2308-7846 (Print)
 33. Eldhose A. Y., “Theatrical Ripostes in the Time of Terror: Global Paranoia in Dennis Kelly’s Osama the Hero. ” Humanities Circle 1.1 (Jan 2013): 121-137. ISSN 2321-8010
 34. Eldhose A. Y., “Politics behind Humanizing Ravana: A Study with Special Reference to the Film Ravana by Mani Ratnam. ” The Literati 3.2 (December 2013): 38-43. ISSN: 2248-9576
 35. Eldhose A. Y., “Is Comparative Literature Only an ‘Ideal World’?” The Philosopher 1.2 (2014): 73-78. ISSN 2319-8311
 36. Eldhose A. Y., “Political Theatre and the Evolution of Public Sphere in Kerala. ” Lux Montis 2.1 (2014): 75-84. ISSN 2321-8053
 37. Eldhose A. Y., Interview with Kathryn Blume, playwright, performer and environmental activist” Teresian Journal of English Studies 6.1 (October 2014): 48-54. Print. ISSN 0975-6302
 38. Eldhose A. Y., “ചിറകൊടിയേണ്ട കിനാക്കൾ” (Dreams that would Die). Azhimukham May 8 2015 <http://www.azhimukham.com/news/5217/malayala-cinema-plagiarism-remake-new-generation-criticism-eldhose>
 39. V. V, Manju. “Othello Translation and the Development of Modern Malayalam Literary Poly-system”. Indian journal of Comparative literature and Translation Studies 3.1 (2015): 20-29. Print.
 40. V. V, Manju. “Indianizing the Bard: A Diachronic Study of Shakespeare Reception in India”. Singularities: A Trans-disciplinary Biannual Research Journal 1.2 (August 2014): 104-109. Print.
 41. "Yugapurushanmare Varavelkkumbol" *Vayala: Jeevitham, Darsanam, Natakam* Ed. Bhanupraksh. Vayala Vasudevan Pillai Trust: Thrissur. 2013: 460-63
 42. "Malayalam Macbeth: Punarakhyanalude Charithravum Rashtreeyavum" *Keli* Aug-Sep 2014.

Extension Activities of the Faculty: Prominent among the extension activities of the faculty on and off campus include:

Talks/Invited Lectures

43. Dr. Prasad Pannian. Invited Inaugural lecture on “Literature, Theory and the Politics of Reading” at Post Graduate Department of English at Govt. College, Kasaragod on 4th November 2010.
44. Dr Prasad Pannian Lecture on “Culture, Ideology and the Subject” UGC Academic Staff College, University of Calicut on 6 August 2011
45. Dr. Prasad Pannian. invited lecture “The Intellectual Trajectory of Edward Said: The Marxist Connection” at All Saints College, Thiruvananthapuram, on 13th November 2013.
46. Dr. Prasad Pannian. Introductory talk on “The Slow Violence of Endosulfan” in the Symposium on The Discourse of Endosulfan: Toxic Bodies & Corporate Poisons” organized by the Department of Comparative Literature on 19 & 20th February 2015
47. Dr. Prasad Pannian. Invited lecture on “The Future of English Studies in India” at Dr. Ambedkar Arts & Science College, Periyar on 9th March 2015.
48. Dr Joseph Koyippally Joseph. Invited talk and session chair at CLAI-CUR International Seminar 2011 organised by CU Rajasthan, Jaipur
49. Dr Joseph Koyippally Joseph. ‘Epistemological Foundations of Contemporary English Studies’ (Invited talk) ASC, Jamia Millia Islamia, New Delhi on 10 September 2011
50. Dr Joseph Koyippally Joseph. ‘ELT Today: Indian Scenario’ (invited talk) ASC Jamia Millia Islamia, New Delhi on 11 September 2011.
51. Dr. Vellikkeel Raghavan. Invited Lecture on “Worshipping the English Goddess: Manu, Missionary, Macaulay and the Market. ” Invited speech on the occasion of International Seminar on ‘English in the Dalit Context. ’ Dept. of English, University of Hyderabad on Dept. of English, Central University of Hyderabad, Hyderabad, India. 20 January 2011.
52. Dr. Vellikkeel Raghavan. Invited talk in the 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, 26 to 28 September 2011.
53. Dr. Vellikkeel Raghavan. Inaugural Address on “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 13 January 2012.
54. Dr Vellikkeel Raghavan Invited talk and session chair at National Seminar on Myth, Mythopoeia and Literature, Govt College, Kasaragod on 07 March 2012
 55. Dr. Vellikkeel Raghavan. Invited talk on “21st Century World Drama: Currents and Counter-Currents. ” UGC-Academic Staff College, University of Calicut, on 17 September 2012 in connection with the 3rd Refresher Course in Comparative Literature held from 11 September to 1 October 2012.
 56. Dr. Joseph Koyippally Joseph. ‘Community Ethnography Project: Kerala’, Bhasha Prabha, Lalit Kala Akademi, Sahitya Akademi and IGNOU, New Delhi, Bhasha Prabha Lalit Kala Akademi IGNOU on 5th September, 2013.
 57. Dr. Joseph Koyippally Joseph. IGNOU-Bhasha Institute, New Delhi. “Tribal Languages of Kerala” (Panellist) on 6 Sept. 2013
 58. Dr. Joseph Koyippally Joseph. “Minority Languages of Kerala” (invited lecture) PLSI, New Delhi, on 7 Sept. 2013.
 59. Dr. Joseph Koyippally Joseph. Discussant at Jaipur Literary Festival-2014. “Textures in Translation”, (invited lecture) on 17 Jan. 2014.
 60. Dr. Joseph Koyippally Joseph. “Gundert and Bible Translation” (invited talk) National Seminar, Malayalam University, Tirur. on 7 Feb. 2014
 61. Joseph, Koyippally Joseph. 'Theorising Diaspora', Malayalam University, Tirur, Malappuram. 16 Mar 2015. Invited Lecture.
 62. Joseph, Koyippally Joseph. 'A Framework for Kerala Diaspora Studies with Special Reference to the Gulf Diaspora', National Seminar on 'On the Margins of Many Cultures: Narrating Diaspora Consciousness' (Mar Thoma College, Thiruvalla 22-23 Jan. 2015. Keynote Speaker.
 63. Writer-Translator Interaction in the Context of Goat Days, National Seminar on 'On the Margins of Many Cultures: Narrating Diaspora Consciousness' (Marthoma College, Thiruvalla 22-23 Jan. 2015. Discussant.
 64. Joseph, Koyippally Joseph. 'Translator's Choice' in One day National Seminar on Narration and Transcreation: Experience of Aadujeevitham (Mahatma Gandhi Government Arts College, Mahe, 8 Jan. 2015 Keynote speaker.
 65. Joseph, Koyippally Joseph. 'Limits of the Text and Liminality of the Translator', National Seminar on Text, Translation and Transcreation' (Mar

Athanasius College, Kothamangalam, Kerala, 17 Dec. 2014. Keynote Speaker.

66. Joseph, Koyippally Joseph. 'An Indian SWOT on Gulf ELT', National Seminar, The Opportunities in Teaching English in the Middle East (DUA College, Vazhakkad, Malappuram, Kerala, 15-16 Oct. 2014 Keynote speaker.
67. Joseph, Koyippally Joseph. '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. 26-27 Aug. 2014 Invited Lecture

Apart from delivering talks and invited lectures, the faculty of the Department present papers in national/international conferences and workshops on an average of 5 to 10 presentations a year.

Other Activities

68. Dr Vellikkeel Raghavan is the founder Editor of the University's first peer-reviewed journal, *Humanities Circle*
69. Dr Prasad Pannian is the current editor of *Humanities Circle*
70. Rukhaya, M. K., Featured In K. Satchidanandan's debut magazine alongside international writers of repute. Rukhaya, M. K., "Canvas Poems. " One Over the Eighth. Edited by Satchidanandan and Maythil Radhakrishnan. < www.ogazine. in >
71. Rukhaya, M. K., Featured in the Contemporary Indo-Australian Anthology alongside names like Jayanta Mahapatra, K. Satchidanandan, Meena Kandasamy, etc.

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 Department takes initiative in sensitising the students on issues of environmental concern.
- 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.

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

Yes. The PG and Ph.D. 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:

- Folk Art Forms of North Malabar
- Arabimalayalam
- Tuluva (oral) Literature
- Discourse on Endosulfan
- Anthropological Studies (on the traditional communities of North Malabar)

(b) 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.

(c) 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.

(d) 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.

(e) Subjectivity Studies, Postcolonial Studies, Film Studies, Theatre Studies, Malayalam Literature, Women's 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 (The Department's initiative in launching the first journal of the University <i>Humanities Circle</i> stands testimony to this)	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-Student Relationship	Lack of Chairs and Programmes in Allied Disciplines in the University which hampers interdisciplinary initiatives	A Huge Repository of Print and Digital Learning Resources	Motivating and Equipping the Faculty and students to harness the available learning resources to the hilt

Strengths	Weakness	Opportunities	Challenges
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



SECTION E
EVALUATIVE REPORT OF THE
DEPARTMENTS

DEPARTMENT OF
HINDI
(SCHOOL OF LANGUAGES & COMPARATIVE
LITERATURE)

SELF STUDY REPORT

1. Name of the Department: Department of 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 Languages and 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. (Hindi & Comparative Literature)

5. Interdisciplinary programmes and departments involved

None

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

Practical Exam of LHC5003: Prayojan Moolak Hindi in collaboration with CPCRI, Kasaragod.

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

None.

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

Yes. In Elective Courses with other departments.

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	0	0
Others			5*
* Guest Faculty – 5			

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. R Surendran	M.A, Ph. D.	Guest Faculty	Translation, Indian Literature	36	Ph. D. – 25; M. Phil. 30
Dr. CPV Vijayakumaran	M.A, M.Phil, Ph.D.	Asst. Professor	Comparative Literature	34	Ph. D. – 13, Pre-Ph.D.–6 M. Phil. - 20
Dr. Shameena A. S	M.A, M.Phil, Ph.D.	Guest Faculty	Functional Hindi	5	
Dr. Bindu BC	MA, Ph. D.	Guest Faculty	Fiction	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
M. A	100%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. A	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

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	International	0
Research Projects	National	0
Total grants received (in ₹)		Nil

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	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)	17
Monographs	0
Chapters in Books	5
Edited Books	1

Total Number of Books		19
Books	ISBN	Publisher
Prof. R. Surendran, <i>In Conversation with Malayalam Writers</i>	978-93-82-507-81-9	Alpha, Kannur, 2015.
Prof. R. Surendran, <i>Selected Bengali Stories</i> (Trans)	978-93-82-507-82-6	Alpha, Kannur, 2015.
Dr. Shameena A S, <i>Kadhanuvad ka antharashtriya santharb</i>	9788181112545	Jawahar publications, Mathura 2013
Dr. Swapna M, <i>Mulya vikadan ke pariprekshya me adhunik yudha kavyom ka adhyayan</i>	9788181112569	Jawahar publications, Mathura 2013
Prof. R. Surendran, <i>Hindi Ka maidan vishal Hai</i> (Hindi)		Jawahar publications, Mathura 2013
Prof. R. Surendran, <i>Bharathiya Bhasha Kathakal.</i> (Malayalam Translation)	9788130012551	Poorna Publications, Kozhikode 2013
Prof. R. Surendran, <i>Kashmiri Short Stories (Anthology) - a Malayalam Translation</i>		Liti Publications, Kozhikode 2013
Prof. R. Surendran, <i>Malayalathilae Jnanapita Jethakal</i> (Malayalam)		Mathrubhumi, Kozhikode 2014
Prof. R. Surendran, <i>Gandhiji Jeevithavum Darsanavum</i> (Ed)		PRD, Govt. Of Kerala, Thriuvananthapuram 2014
Prof. R. Surendran, <i>Ammarkant kathakal</i> (Malayalam Translation)	9788116902878	Kerala Sahithya Academy, 2014
Prof. R. Surendran, <i>Jnanapit Prabhashanagal</i>	9766182661613	Mathrubumi, Calicut 2014
Prof. R. Surendran, <i>Tagore Ezhuthukarute manazil</i>	9789384034498	Media House, Calicut 2015
Prof. R. Surendran, <i>Asamiya Kathakal</i>	9789382507628	Alpha one, Kannur 2015
Prof. R. Surendran, <i>Mahatma Gandhi Sahithyakarom ke Dhrustin me</i> (Hindi)	9788177212501	Prabhat Books, New Delhi 2015
Prof. Vijayakumaran CPV, <i>Ramacharitmanas Aur Sanskritik Anuvad</i>	9788181112255	Jawahar publications, Mathura 2012

Prof. Vijayakumaran CPV, <i>Post Partition Indian Actuality in Hindi Novels</i> (Hindi)	9788181112491	Jawahar publications, Mathura 2013
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 seminars	₹18,500/-

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. Vijayakumaran CPV	India	Jawaharlal Nehru University, New Delhi
		Himachal Pradesh University, Shimla
		Dr. Hari Singh Gaur Central University, Sagar
Prof. R. Surendran	India	VijnanParishad, Allahabad
		ViswaBharathi University
		Nehru Yuva Kendra, N. S. S College Palakkad
		Veerakumvarsingh
		Patna university
		Devi Ahilya University, Indore, MP
Viswabharati University, W B		

26. Faculty Serving in

Committees	Number
National committees	17

Committees	Number
	<ol style="list-style-type: none"> 1. Prof. R Surendran, Elected as the President of Bhasasamanwayavedi Kerala 2013 2. Prof. R Surendran, Nominated as the subject expert of Encyclopaedia of Indian Literature (Malayalam) 2013 3. Prof. R Surendran, Member, Language & Advisory Board, Bharatiya Jnanpit New Delhi. 2015 4. Prof. R Surendran, Member, National Award Jury, Central Hindi Institute, Agra 2015 5. Prof. R Surendran, Member, South Indian Award Jury Kannada Foundation, Bangalore 2015 6. Prof. R Surendran, Member, Translation-Expert Committee Viswabharati Santinikethan West Bengal. 2015 7. Prof. R Surendran, Translation-Expert Committee, Sahithya Akadami, New Delhi. 2014 8. Prof. R Surendran, Nominated as Subject Expert of UGC Project Committee, North East, Assam. 2013 9. Prof. R Surendran, Nominated to the advisory Board, Nehru Yuva Kendra, Govt. Of India. 2013 10. Prof. R Surendran, Visiting Professor, Chair for Gandhian Studies Calicut University 2013 11. Prof. R Surendran, Selected for the National Extension of Central Hindi Directorate 2013 12. Prof. Vijayakumaran CPV, Director, Mahatma Prakriti Jeevana Samiti, Kanhangad. 13. Prof. Vijayakumaran CPV, Trustee, KANFED Social Forum, Kasaragod District, Kerala. 14. Prof. Vijayakumaran CPV, Life Member,

Committees	Number
	World Association for Vedic Studies, (WAVES), USA (No. 118.) (1999 onwards)
	15. Prof. Vijayakumaran CPV, Member, Doctoral Committee, Kannur University (2001 onwards)
	16. Prof. Vijayakumaran CPV, Life member, Bhasha Samanvayavedi, Kozhikode (2014 onwards)
	17. Prof. Vijayakumaran CPV, Life member, Comparative Literature Association of India, Kolkata (2013 onwards)
International committees	Nil
	3
Editorial Boards	1. Prof. R. Surendran, Research Journal, Editorial Committee Rashtrasethu, Raipur, CG. 2014
	2. Prof. R. Surendran, Research Journal, Editorial Committee, Navanikash, Kanpur, UP 2013
	3. Prof. Vijayakumaran CPV. Bhasha Varshiki, member Editorial Committee, CHD, New Delhi 2013-16
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
Nil	Nil

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	14
Awardee	Award
Prof. R Surendran	1. Tagore Smruti Hindi Puraskar (14.9.2014), Viswabharati University, Santinikethan 2. Babu Gangasaran Singh Award(15.9.2015), Central Hindi Institute, Agra, Govt. of India
Prof. Vijayakumaran CPV	3. Selected for the National Extension of Central Hindi Directorate 2013
Doctoral/Post-Doctoral fellows	0
Students	0

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		CU-Kerala & British Ecological Society	Prof. K. R. Shivanna FASc, FNA
Non-Hindi Neo-Hindi Writers Workshop	27/08/2013	CUK and Central Hindi Directorate	Central Hindi Directorate Officials
Bundeli Aur Uttar Malabari Lokgit ki Tulana	25/03/2014	CUK and Dr. Hari Singh Gaur Central University Sagar	Prof. . Virendran Mohan, Dr. Hari Singh Gaur Central University Sagar
The Impact of Freedom Movement on Indian Literature'	27/2/2015	CUK and Bhasha Sangam, Allahabad	Prof. Deo Shankar Navin (JNU, New Delhi), Prof. Arif Nazir (Aligarh Muslim University, UP), Dr. R. Krishnan, Rajalakshmi Chellam, Dr. Surekha Sharma, (Allahabad Bhasha Sangam) Dr. S Sreekumar

31. Code of ethics for research followed by the departments

Not Applicable

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. A. (Hindi & CL)				100%	100%

* 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%

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	1
GATE	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M. Phil.	0%	
PG to Ph. D.	0%	
Ph. D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	1
	Other than campus recruitment	2
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0%
universities within the State	60%
universities from other States	40%
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	2
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	0
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 : 23/23

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 programme.

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

Not applicable. Only two batches of PG have passed out

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

1. Prof. Krishna Murari Mishra, Professor of Hindi, Aligarh Muslim University, Aligarh, special lecture on Medieval Hindi Language, 29-30/09/2012
2. Prof. Gopeshwar Singh, Professor of Hindi, Delhi University, special lecture on Medieval Hindi Literature, 23/10/2012
3. Prof. B. Y. Lalitamba, Professor of Hindi, (retired), Devi Ahalya University, Indore, special lecture on Comparative Literature, 2/11/2012
4. Dr. Raghavan, Assistant Professor, Dept. of Comparative Literature, CUK,

special lecture on Film studies, 23/11/2012

5. Prof. D. Kattimoni, Tribal University, Amar Khandak, special lecture on Dalit Literature, 2012
6. Prof. Dr. Jancy James, Vice Chancellor, Central University of Kerala, special lecture on Comparative Literature, 9/10/2013
7. Dr. Rashid Ali,, Assistant Professor, Asst. Prof National University of Maldives, special lecture on Journalism, 9-11/12/2013
8. Prof. Chaman Lal,, Professor of Hindi (retired), JNU, New Delhi., special lecture on Hindi Fiction, 13 /12/ 2013
9. Dr. Anishkumar. T. K, Hindi Officer, CUK, special lecture on Functional Hindi, 9/10/2013
10. Dr. D P Gupta, Jamia Millia Islamia, New Delhi, special lecture on Contemporary Hindi Poetry, 30/09/-01/10/2014
11. Prof. Thankamoni Amma, Kerala University, special lecture on Translation Studies, 04/02/2014
12. Prof. Virendran Mohan, Dr. Hari Singh Gaur Central University Sagar, special lecture on Contemporary Hindi Literature, 22 /03/2014
13. Dr. Govinda Rajan, General Secretary, Allahabad Bhasha Sangam, UP.

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

We follow choice-based credit system for M.A. . Students are taking elective courses offered by other sister departments in the school of biological science. The department is also offering elective courses designed to make students job-oriented. We follow, power point lectures, multimedia presentations, white-board and marker pen, videos, paper discussion, regular 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.

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 seminar and research paper discussions as part of our curriculum. 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. 80% of our MA students are girls; therefore, we meet our third mission of women empowerment in higher education.

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

Students regularly organize lectures by faculty members and others to commemorate major Hindi writers and every fortnight, these programmes are held in the department. Detailed record is maintained in the Department Register for the purpose.

The faculty of the department regularly take part in extension activities as part of social commitment. Some of these programmes are

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

Talks/Invited Lectures

1. Prof. R. Surendran, Nehru Study Centre, Nehru College, Kanhangad "Jawaharlal Nehru, as architect of Modern India", 14.10.2014
2. Prof. R. Surendran, Independence Day Programme, Lions Club "Malayalam Poetry during freedom movement", 14.08.2014
3. Prof. R. Surendran, Talk in AIR, "Kedarnath Singh and his poetic world", 28.04.2014
4. Prof. R. Surendran, Dept. of Russian and Comparative Studies, University of Calicut "Translation as a tool for Comparative study", 27.11.2013
5. Prof. R. Surendran, Central Hindi Institute, Mysore "Dalit poem in Hindi and Malayalam", 24.12.2013
6. Prof. R. Surendran, Govt. of Kerala, Malappuram "Language problems of Pravasis", 07.03.2014
7. Prof. R. Surendran, Talk in AIR, Calicut "Translation of Technical terminology", 27.11.2013
8. Prof. R. Surendran, Punjab National Bank, Calicut "Banking terminology in Hindi", 28.09.2013
9. Prof. R. Surendran, Provident Fund Office, Calicut "Official language Hindi Yesterday and Today", 27.09.013
10. Prof. R. Surendran, Nehru Yuvak Kendra, Malappuram "Hindi Translation workshop", 02.12.2013
11. Prof. R. Surendran, Rajiv Gandhi university, Arunachal Pradesh "Translation of technical terminology", 06.02.2013
12. Prof. R. Surendran, Central University, Sikkim Gantok "On translating Nepali Short Stories ", 31.02.2013

Workshops and Training Sessions Conducted by Faculty

13. Prof. R. Surendran, ASC, University of Calicut "Hindi Novel-since 2000", 00.02.2013
14. Prof. R. Surendran, ASC, University of Calicut "Literary Journalism in Hindi", 00.02.2013
15. Prof. Vijayakumaran CPV, UGC refresher course on 'Hindi Bhasha evom New Hindi Literature, Academic Staff College, Thiruvananthapuram "Bhoomandalikaran Aur Hindi Sahitya'", 11.08.2014
16. Prof. Vijayakumaran CPV, UGC refresher course on Hindi Language and New Hindi Literature, Academic Staff College, Thiruvananthapuram "Hindi Bhasha Ka Vaiswik Dharatal", 12.08.2014
17. Prof. Vijayakumaran CPV, UGC refresher course on 'kalajayi kavithayem aur samakalin vimarsh', Academic Staff College, Himachal Pradesh University, Shimla "Ramacharitmanas Aur Bhoomandaliya Pariprkeshya'", 13.11.2013
18. Dr. Shameena A S, Workshop on Short story translation, Kerala Hindi Pracharsabha, Calicut, Lakshadweep writers association "Short story Translation", 03.05.2014
19. Prof. R. Surendran, Research Methodology, Payyanur College, Calicut Organised by BhasaSamanwayavedi "New trends in Hindi Research", 14.05.2014
20. Prof. R. Surendran, Workshop on Short story translation, Kerala Hindi pracharsabha, Calicut, Lakshadweep writers association "Short story Translation", 03.05.2014
21. Prof. Vijayakumaran CPV, Official Language Workshop for Officers, MRPL, Mangalore "Hindi Vyakaranik Samrachana Evom Ucharan. ", 26.11.2014
22. Prof. Vijayakumaran CPV, National Workshop for Non-Hindi Neo-Hindi Writers, Bekal Club, Kanhangad (CUK, Kasaragod) "Practical Problems of Neo-Hindi Kerala Writers'. ", 27.08.2013
23. Prof. Vijayakumaran CPV, Resource person for TOLIC workshop, CPCRI at Kasaragod on "Official Language Rules & Regulations", 28.08.2013

Other Activities

24. Dr. Shameena A S, International Conference: Comparative literature :Social Justice, Andhra University "Bhaskarapattelarum Ente jeevithavum ka Filmi roopayan", 29-31.01.2013

25. Dr. Swapna M, International Conference: Comparative literature :Social Justice, Andhra University "Saamajik abhivyakthi Mathilukal(deevarem)Upanyaas Evam Film Main", 29-31.01.2013
26. Prof. R. Surendran, Translators Get-together, Calicut Organised by Bhasasamanyavedi "Experience of Translators", 01.12.2014
27. Prof. R. Surendran, Nalanda University "Hindi journalism in Kerala", 10.02.2015
28. Prof. R. Surendran, @ " Translation of 'Viswaparichay' by Tagore Viswabharati University.", 2015
29. Prof. R. Surendran, M. G University, Kottayam "Hindi short story in the first decade of 21st century ", 18.12.2014
30. Prof. R. Surendran, Hindi Fortnight Seminar, Nehru Yuva Kendra, Malapuram "Technical Terminal", 29.11.2014
31. Prof. R. Surendran, Milestones in National Movement, University of Calicut, Chair for Gandhian Studies "Gandhian Leadership and freedom movement", 28.10.2014
32. Dr. Bindu BC, One day national Seminar on Samakaleen mahila lekhan: vividh aayam, Hindi pracharsabha & SSSU RC, Thiruvananthapuram "Shikanje ka dard mem abhivyakth dalith nari", 26.10.2014
33. Dr. Bindu BC, 2 day National Seminar on Aatmakada sahitya: Hindi and Malayalam, Sankaracharya University, RC, Payyanur "Kasthuri kundal basai Aaupanyasik Aathmakaha per ek Nazhariya", 01-02-01.2014
34. Dr. Bindu BC, 2 day National Seminar, UGC Sponsored "Nirmala Puthul ki kavithaom mein Nari Chethana", 23-24.01.2014
35. Dr. Bindu BC, 2 day National Seminar, UG & Research Department of Hindi "Shivani ke Upanasaom mein Nari Abhivyakthi", 14-15.03.2011
36. Dr. Shameena A S, National Seminar on Nationalism: Challenges of Comparative Indian Literature, Central University of Kerala, Kasaragod "Bharathey Bhashaon main Anuvad - Rashtravad Va sanskriti ", 12-13.01.2013
37. Dr. Swapna M, National Seminar on Nationalism: Challenges of Comparative Indian Literature, Central University of Kerala, Kasaragod "Yudh ki manaveey paksh aur uska Amanaveey paksh", 12-13.12.2013
38. Prof. R. Surendran, Moorthidevi Award Winning Novel Seminar, Mathrurbhumi, Calicut "C. Radhakrishnan's contribution to Malayalam Novel", 02.07.2014
39. Prof. R. Surendran, Environment Day Seminar, Bhasasamanyavvedi,

Calicut "Writers anxieties on environmental Hazards", 05.06.2014

40. Prof. R. Surendran, Satire in Hindi Literature, Hindusthani Academy, Allahabad "-", 28.09.2014
41. Prof. R. Surendran, Tagor Jayanti seminar, Poorna Publications, Calicut "Translation of Geetanjali", 07.05.2014
42. Prof. R. Surendran, Hindi Upanyas Nayi Pravarthiyam, Govt. Brennan College, Tellicherry. "Hindi novels based on journalism", 02.10.2013
43. Prof. R. Surendran, Nehru as architect of Modern India, Chair for Gandhian Studies and Research, University of Calicut "Nehru's reflection on literature Based on Discovery of India ", 28.03.2014
44. Prof. Vijayakumaran CPV, UGC National Seminar on Discourses And Cultural Studies:, N. S. S. College, Manjeri. "Discourse Analysis of a Tulu Novel in Malayalam Translation", 15-17.12.2014
45. Prof. Vijayakumaran CPV, 5 day UGC seminar on Translation and Comparative Literature, Dept. of Russian & Comparative Literature at Calicut University "Translation and Inter-Cultural Diversities ", 11-14.3.2014
46. Prof. Vijayakumaran CPV, International seminar on Nationalism: Challenges of Comparative Indian Literature, Central university of kerala, Kasaragod " Tradition of Dissent in Ashtachaap Poetry. ", 12-14.10.2013
47. Prof. Vijayakumaran CPV, National Seminar on Nationalism: Challenges of Comparative Indian Literature, Central University of Kerala, Kasaragod "A Debate on Bi-nationalism in Partition Novels in Hindi-Urdu ", 12-13.12.2013
48. Prof. Vijayakumaran CPV, One-day national Seminar on Comparative Folklore, Central University, Kasaragod "Bundeli Aur Uttar Malabari Lokgit ki Tulana", 25.03.2014
49. Prof. Vijayakumaran CPV, National Seminar on comparative Dalit Literature of Hindi And South Indian Languages, Central Insittute Of Indian Languages, Mysore "Bundeli Aur Uttar Malabari Loksahitya mem Dalit Pehchan", 28-29.01.2013

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

- Fortnight Students Seminar
- The faculty served as micro-observer in general elections, and CBSE.
- Online video interaction with Hindi writers Smt. Nasira Sharma (Delhi), Shri Prabhulal Dwivedi (Banares), Prof. Pandey (Banares) etc under the aegis of Hindi Parishad, which meets regularly every fortnight in the Department.

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.

All departmental activities are aimed at knowledge generation. The seminar Impact of Freedom Movement in Indian Literatures highlighted the works of relatively unknown Hindi practitioners in South India.

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

Our senior faculty are well-acknowledged, and retired Professors from Kannur and Calicut Universities. They are highly competitive and comparable in terms of the production of research papers and in imparting the new knowledge to the students.

The department proactively offers a basic courses in Hindi language for the University administration in order to promote Hindi. .

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 and Dalit background, and they have some social and economic hindrances to travel other places for their higher studies. The Department support these underprivileged students, particularly girl students to pursue their higher studies.

Our major weakness is that the Department has no permanent Faculty yet. Much thrust is to be given in this direction.

Lack of language lab and interaction with native speakers is another challenge the department has. .

52. Future plans of the department.

- The Department aims to complete selection of faculty in the coming academic year.
- It aims to send students for in-house training at MRPL where an MoU is about to be signed.
- Moving to our permanent campus

- Syllabus revision as it is now three years that the present syllabus has been in operation



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
LINGUISTICS**
**(SCHOOL OF LANGUAGES & COMPARATIVE
LITERATURE**

SELF STUDY REPORT

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

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

M. A. Linguistics and Language Technology & Ph. D. in Linguistics and Language Technology

5. Interdisciplinary programmes and departments involved

Nil

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 and Semester System

Choice Based Credit and Semester System

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

Yes.

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	4	4
Others	1	1*	1*
*Academic Coordinator – 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. Thennarasu, S.	M. A., M. Phil. & PhD.	Assistant Professor	Morphology, Computational Linguistics, Corpus Linguistics and Natural Language Processing	6	NA
Dr. Palanirajan, G.	M. A., M. A., Ph. D.	Assistant Professor	Computational Linguistics, Corpus Linguistics, Syntax, Lexicography	10	NA
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	5	NA
Mr. Chinmay Vijay Dharurkar	M. A., M. Phil. & JRF (Ph. D. pursuing)	Assistant Professor	Sanskrit Grammatical Tradition, Translation Studies, Syntax, Morphology	2	NA

*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	0%
Ph. D.	0%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. A	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
Administrative staff	1	0	1*

* Temporary staff

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.

Number of faculty with ongoing Research Projects	International	0
	National	0
Total grants received (in ₹)		0

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

The department is recognized by State and National bodies

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)	38	
Monographs	0	
Chapters in Books	0	
Edited Books	1	
Total Number of Books	6	
Books	ISBN	Publisher
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.

There were 3 such invitations to the faculty during the assessment period, as listed below:

Name of the Faculty	Country	Lab/Institution/Industry Visited
Dr. S. Thennarasu	India	Central Institute of Indian Languages
Mr. Chinmay Vijay Dharukar	India	Central University of Kerala, Gulburga
Dr. A. M. Marykutty	India	University of Kerala

26. Faculty Serving in

Committees	Number
National committees	0
International committees	0
Editorial Boards	0
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. S. Thennarasu	1
Dr. Curiously Bareh	2
Dr. A. M. Marykutty	3

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	0
Doctoral/Post-Doctoral fellows	0
Students	13

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	27-31 Oct 2014	Central Institute of Indian Languages	Prof. Ramamoorthy, L. (Project Head, LDC-IL, Mysore)
Lecture Series-II	Diff Dates	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	18-20 Feb 2015 & 23-26 Mar 2015	CU Kerala	Prof. G. K. Panikkar (Director, DLA, Trivandrum)
One Day Awareness Programme on DYSLEXIA	07 Feb 2015	CU Kerala	District Educational Officer, Kasaragod

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. A.		3	18	100	100
Ph. D.	Proposed to commence on July 2015				

* 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	0%	96.24%	4.76%	0%
Ph. D.	Proposed to commence on July 2015			

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	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M. Phil.	0%	
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	0%
universities from other States	100%
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	1
Research Laboratories	None. Proposed

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

Awarding Institution	Number of PDF/RA
From the host institution/university	0
From other institutions/ universities	0
Name of Doctoral/PDF students or RA	Advisor

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

70% of the total number of students enrolled in the department

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?

The department tries to incorporate the changes in syllabi in the upcoming BOS meeting

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

Based on the students' feedback, faculties are asked to improve or alter the teaching

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

Suggestions and feedback from the alumni are discussed in a faculty meeting and think of 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.

1. POS Tagging Workshops, 27-31 Oct 2014, Central Institute of Indian Languages, Prof. Ramamoorthy, L. (Project Head, LDC-IL, Mysore)
2. Lecture Series-II, Diff Dates, CU Kerala, Prof. Sachdeva (Former Director of CIIL, Mysore)
3. Prof. Subbarao (Rtd. Professor in Linguistics, University of Delhi)
4. Prof. Ganesan, M. (Former Director, CAS in Linguistics, Annamalai University)
5. Field Linguistics Seminar, 18-20 Feb 2015 & 23-26 Mar 2015, CU Kerala, Prof. G. K. Panikkar (Director, DLA, Trivandrum)
6. One Day Awareness Programme on DYSLEXIA, 07 Feb 2015, CU Kerala, District Educational Officer, Kasaragod

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

M. A: Lecture method, Audio-visual teaching (Lab sessions), Group discussion and Field visits

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

The departmental meeting regularly reviewed on every new proposed programme.

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

Students attended workshop on Translation conducted by National Translation Mission (NTM), CIIL, Mysore

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

- Special Lecture Series
- Awareness programmes on Dyslexia
- Presentation by students on Sociolinguistic issues

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.

Working on Language Documentation.

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

Strengths: Located in a linguistically diverse area.

Weaknesses: Infrastructure, staff (shortage-of-staff),

Opportunities: To document all the seven languages of Kasaragod and other minority languages of Kerala

Challenges: Skilled resources and infrastructure

52. Future plans of the department.

- To become Centre for Advance Studies in Linguistics
- To come up within MOOC courses and Moodle.
- PhD Programme,
- Language documentation of the minority languages in the region,

- UGC-SAP, Lab and technology-based infrastructure.



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
LAW**
(SCHOOL OF LEGAL STUDIES)

SELF STUDY REPORT

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. The Department 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 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	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	0	0
Others			5*
*Academic Coordinator – 1 & Guest Faculty – 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. M C Pramodan. (Academic Coordinator)	LL M Ph. D.	Associate Professor	Administrative Law and Commercial Law	16	Ph. D. 1
Deepti U	LL M U G C NET	Assistant Professor	Human Rights Law		
Haffiz Aslam P J	LL M U G C NET	Assistant Professor	Commercial Law		
Aathira Raju	LL M U G C NET	Assistant Professor	Environmental Law		
Chandini G KRISHNA	LL M U G C NET	Assistant Professor	Administrative Law		

*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
LL M	100%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
LL M	9 : 5

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	1	1

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	0
	National	0
Total grants received (in ₹)		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)	1

Monographs	0
Chapters in Books	1
Edited Books	0
Total Number of Books	0
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	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
Deepti U	Inter Disciplinary Seminar on Disaster Management December, 2014, Government Law College, Ernakulam

Name of the Faculty	Programme Attended
Haffiz Aslam P J	National Seminar on Farmer's Rights in the Globalised Economy: Perspectives and Trends, 26, 27, March 2015 SILT, Kottayam
	National Seminar on Migration 13-15, March 2015 Government Law College, Ernakulam

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	Nil
Doctoral/Post-Doctoral fellows	Nil
Students	Nil

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

Nil

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc.	35	5	4	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	NIL	100%	NIL	0%

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

Nil

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	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

Category	Infrastructure Facility Available
Total number of class room	4
Class rooms with ICT facility	NIL
Students' Laboratories	1
Research Laboratories	NIL

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

Nil

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 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?

It is planned to have feedback every year, i.e., completion of two semesters

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

It is planned to have feedback every year, i.e., completion of two semesters

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

Not Applicable.

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.

We follow choice-based credit system for LL M Programme. We follow, lecture, case, discussion methods of teaching. Students take-home assignments and present assignments in class. 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 discussions as part of our curriculum.

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

So far no extension activities

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

Nil

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

So far no.

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

So far no.

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

- Teaching level it is good
- Meaningful discussions take place in classes
- Students have developed presentation skills

- Dept. does not have proper library facility.
- There are no permanent teachers.

52. Future plans of the department.

- We aim to produce teachers and researchers



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
CHEMISTRY**
(SCHOOL OF PHYSICAL SCIENCES)

SELF STUDY REPORT

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 Mathematical and 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 and Semester System

Choice Based Credit and Semester System

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

None

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

Position	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. Bini George	M. Sc., Ph. D.	Asst. Professor	Organic Chemistry & Nano Chemistry	9 Y 10 M	Ph. D. – 2
Dr. Deepa Janardanan	M. Sc., Ph. D.	Asst. Professor	Computational Chemistry & Organic Chemistry	5 Y 7 M	NIL
Dr. Ravi Kumar Kanaparthi	M. Sc., Ph. D.	Asst. Professor	Physical Chemistry: Materials Chemistry	4	NIL
Dr. M. Bhagiyalakshmi	M. Sc., Ph. D.	Assistant Professor	Physical, Material, Nano & Environmental Chemistry	8 Y 8 M	Ph.D. – 1

*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 and 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.	7 : 1
Ph. D.	2 : 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	1	1
Administrative staff	1	0	1*

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

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	2
Total grants received (in ₹)		44,86,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
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			44,86,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	
	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)	55	
Monographs	-	
Chapters in Books	1	
Edited Books	-	
Total Number of Books	1	
Books	ISBN	Publisher
Jacob Chacko (Ed) Higher Education In India-New Perspective	978-93-7831-347-9	Manak
Number listed in International Database	55	
Citation Index (Range)	1-77	
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)	39

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	₹10,000/-

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	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. M. Bhagiyalakshmi	122 nd Orientation course UGC-ASC, 14 th May, 2015 to 10 th June, 2015, Academic Staff College, University of Madras

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	2
Doctoral/Post-Doctoral fellows	Nil
Students	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
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 of CU Kerala

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc.	1327	9	19	100	100
Ph. D.	10	0	2	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	NIL	82	18	NIL
Ph. D.	NIL	100	NIL	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	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M. Phil.	0%
PG to Ph. D.	0%
Ph. D. to Post-Doctoral	0%
Employed	Nil
	Nil
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	Nil
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
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

Category	Infrastructure Facility Available
	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	0
Name of Doctoral/PDF students or RA	Advisor
From other institutions/ universities	3
Name of Doctoral/PDF students or RA	Advisor
Sharanya K. S.	Dr. Bini George
Vishnu R.	Dr. Bini George, Co-supervisor
Shamna I.	Dr. M. Bhagiyalakshmi

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

1. General Lecture, Prof. K. L. Sebastian, Professor, IPC Department, Indian Institute of Science, Bangalore-560 012., 23-03-2014
2. General Lecture, Dr. K. G. K. Warriar, Scientist 'G' and Head, Materials Division, National Institute for Interdisciplinary Science and Technology, Council of Scientific and Industrial Research Trivandrum -695 019, 30-09-2014
3. Special Lecture, Prof. S. Sugunan, Emeritus Scientist Department of Applied Chemistry Cochin University of Science and Technology Kochi-682022., On several Days
4. Special Lecture, Prof. K. K. Mohammed Yusuff, Emeritus Scientist Department of Applied Chemistry Cochin University of Science and Technology Kochi-682022., On several Days
5. Special Lecture, Prof. M. Padmanabhan, Guest Faculty School of Chemistry Indian Institute of Science Education and Research (IISER) Trivandrum-695016, 15-17 Nov 2014
6. Special Lecture on '*Positive Thinking and Personality Re-engineering*', Mr. Anto Varkey, Professional Corporate Trainer. Rtd. Manager of Cochin Refineries, Cochin., 26th March, 2014

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

M. Sc. : 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. : 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.

1. 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 CO₂ Sequestration*, 5–7th Dec., 2013, Abdur Rahman University, Chennai, India
2. 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
3. Dr. Ravi Kumar Kanaparthi, Asian Photochemistry Conference - 2014, Poster Presentation: Intramolecular Photoinduced Reactions in Corrole–Pyrene and Corrole–Fluorine Dyad Systems, 10-13th Nov., 2014, IISER &

NIIST Trivandrum, India

Other Activities of the Faculty:

4. Dr. Bini George, Examiner for School of Chemical Sciences, M. G. University, Kottayam, Kerala.
5. Dr. Ravi Kumar Kanaparthi, Reviewer of the following International Journals RSC Advances Physical Chemistry Chemical Physics Ph. D. thesis external examiner for School of Chemistry, Andhra University, Visakhapatnam. Observer for UGC-NET (December 2014 & June 2015) and JEE – 2015.
6. Dr. M. Bhagiyalakshmi, Reviewer of the following International Journals Journal of CO₂ Utilization Journal of Saudi Chemical Society Journal of Environmental Chemical Engineering Journal of Industrial & Engineering Chemistry Korean Journal of Chemical Engineering Observer for UGC-NET (December 2014) and JEE – 2015.

Activities of the Students:

7. Two students participated in 30th Inter-University South Zone Youth Festival organized by Tumkur University, Karnataka During 8-12th December, 2014.
8. 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

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.

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 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:

- Existing vacancies of the sanctioned faculty and non-teaching positions.
- Lack of adequate number of doctoral students (Ph. D.)
- 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.
- Remote location of the University leads to transportation & accommodation problems.
- Complicated University purchase procedures to implement projects.

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

- 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 research 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

- 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-electrocatalytic 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

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 Mathematical and 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 and Semester System

Choice Based Credit and Semester System

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

The elective courses of the Department of Computer Science is 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.

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	3	3

Others			2*
* Associate Professor (on deputation) – 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. T. P. Abbas	M. Sc(Chemistry), MCA, Ph. D, NET	Associate Professor	Software Engineering, Intelligent agents, artificial intelligence	20	Nil
Dr. T. M. Thasleema	M S., Ph. D.	Asst. Professor	Automatic speech recognition, Digital signal processing	1 year 6 months	Nil
Dr. S. Manjunath	M. Sc., Ph. D.	Asst. Professor	Image and video processing, pattern recognition	3 years 7 months	Nil
V. Kumar	MCA, MTech, (PhD)	Asst. Professor	Data mining, Design and Analysis of algorithms	14 years	Nil
B. Sujith	MCA, NET	Guest Faculty	Computer Vision, Artificial Intelligence	5	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. Sc.	20%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Sc.	4 : 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)	1	0	1*
Administrative staff	1	0	0

* Temporary staff

16. Research thrust areas as recognized by major funding agencies

Artificial Intelligence, Speech and Language Processing, Image Processing, Video Processing, Information and Communication Technology.

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 ₹)		17,00,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. T. P. Abbas	ICT Adoption in the Higher Education Sector of Kerala: A SWOT Analysis	Kerala State Higher Education Council	2,00,000/-
Dr. T. P. Abbas	Evaluation of the Computer Education at Upper Primary Classes	Sarva Siksha Abhiyan, Kerala	3,00,000/-
Dr. T. M. Thasleema	Hybrid acoustic-visual features for Continuous speech recognition feature	UGC-Start-up	6,00,000/-
Dr. S. Manjunath	Indexing of multimodal biometrics	UGC-Start-up	6,00,000/-
Total Grant			17,00,000/-

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)	30	
Monographs	0	
Chapters in Books	3	
Edited Books	0	
Total Number of Books	7	
Books	ISBN	Publisher
Programming in C, Size 7.5”×9.5”, Pages 555	ISBN: 978-81-9279-920-9	Calicut University Central Co-Operative Store, Calicut University, Kerala
Fundamentals of System Software, Networks and DBMS, Size 7.5”×9.5”, Pages 448	ISBN: 978-81-9279-924-7	Calicut University Central Co-Operative Store, Calicut University, Kerala
OOP Concepts & Data Structures Using C++, Size	ISBN: 978-81-9279-921-6	Calicut University Central Co-Operative Store, Calicut

7.5"×9.5", Pages 614		University, Kerala
Visual Programming Using VB. NET, Size 7.5"×9.5", Pages 494	ISBN: 978-81-9279-923-0	Calicut University Central Co-Operative Store, Calicut University, Kerala
Computer Fundamentals, Size 7.5"×9.5", Pages 324	ISBN: 978-81-9279-925-4	Calicut University Central Co-Operative Store, Calicut University, Kerala
Digital Electronics 7.5"×9.5", Pages 350	ISBN: 978-81-9279-922-3	Calicut University Central Co-Operative Store, Calicut University, Kerala
Problem Solving Using C, Size 7.5"×9.5", Pages 578	ISBN: 978-81-9279-926-1	Calicut University Central Co-Operative Store
Number listed in International Database		10
Citation Index (Range)		1-190
Source Normalized Impact per Paper (SNIP)		0 – 2.557
SCImago Journal Rank (SJR)		0 – 1.195
Impact Factor (Range)		0-2.01
h-index (Range)		0-7

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 form Cocurricular Events	₹7,800/-
Consultancy project on Evaluation of the Computer Education at Upper Primary Classes, Sarva Siksha Abhiyaan Kerala	₹3,00,000/-
Total Grant Received (₹)	3,07,800/-

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

Nil:

26. Faculty Serving in

Committees	Number
National committees	5
	1. Dr. T P Abbas, serves as Chairman, Board of Studies in Computer Science (UG), University of Calicut
	2. Dr. T P Abbas, serves as Member, Board of Studies in Computer Science, Kannur University
	3. Dr. Manjunath S, served as Advisory Committee Member for Three Days National Level Workshop on Pattern Classifiers conducted at Kuvempu University.
	4. Dr. Manjunath S, Member of Interview Panel for Department of Computer Science and Engineering at Government Polytechnic College, Periya.
	5. Dr. Manjunath S, Served as Session Chair at The International Conference On Recent Trends In Signal Processing, Image Processing And VLSI conducted by Don Bosco Institute of Technology, Bangalore, Karnataka.
International committees	Nil
Editorial Boards	1
	Dr. S. Manjunath, reviewer for Journal for Applied Computing and Informatics
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. S. Manjunath	Orientation programme, December 2014, Academic staff college, University of Mysore, 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	Nil

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

Faculty	Nil
Doctoral/Post-Doctoral fellows	Nil
Students	1
Awardee	Award
Sugandhi	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, Department of Computer Science, Amritha Vidya Pitam, Coimbatore, Prof. K Rajan, IISc, Bangalore, Prof. Dr. R Vijayakumar, Professor, School of Computer Science, MG University, Kottayam
National Workshop on Pattern recognition – a Practitioner Approach	05 – 06 November 2014	CU-Kerala	Prof. (Dr). Nagabhusan 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

Event	Date	Source of Funding	Outstanding Participants
Natinal Science Day Celebration - IT for Nation Building	25 th February 2015	KSCSTE	Prof. Thrivikraman

31. Code of ethics for research followed by the departments

Ph. D. regulations of the University

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc.	670	3	13	100	100
Ph. D.	16	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	94%	6%	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	1
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	1

35. Student progression

Student progression		Percentage against enrolled
UG to PG		Not Applicable
PG to M. Phil.		12%
PG to Ph. D.		6%
Ph. D. to Post-Doctoral		Not Applicable
Employed	Campus selection	0%
	Other than campus recruitment	50%
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.	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 for acquisition in the library. Besides, the faculty provides the students with e-books and other study materials.
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

None

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

M. Sc. Students : 38/46

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

The M. Sc. programme in Computer Science is started considering its demand and job opportunities in the research field and in the software world.

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 Depart currently do not have any such distinguished alumni as the first batch is just out in 2013.

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

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

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.

Each faculty of the Department, in strict adherence to the teaching plan and evaluation blueprint of the Department, prepares a detailed Course Delivery and Assessment Schedule consisting of

- Delivery mode (Lecture, Presentation, Debate, Discussion, Quiz, Problem Solving, e-content delivery, etc.)
- Detailed topic-wise Course Delivery Schedule consisting of topic, date, time and location
- Continuous Assessment Schedule consisting of modes of assessment (Subjective Test, MCQ, Quiz, Assignment, Presentations, Term Paper etc), dates of assessment, submission method if relevant, weightage of each assessment and the dates of declaration of the results.
- Grievance redressal mechanism and its procedure.

This detailed course delivery schedule along with all the relevant learning materials is made available to all the registered students on the course page maintained by the tutor concerned on the University website.

As per the Assessment Blue Print prepared by the Faculty Council in the beginning of the academic year, the Head of the Department consolidates the results of the Continuous Assessment of a programme for a given semester and officially publishes the same with the approval of the Faculty Council. Grievances, if any, are redressed and the final results are officially published 10 days before the commencement of the End Semester Assessment.

The Head of the Departments, being the Chairmen of the Board of Examiners, coordinate the conduct of the End Semester Assessment, with approval from the Office of the Controller of Examination. The Head of the Department also coordinate the evaluation of the answer scripts of the End Semester Assessment as per the programme guidelines of the University. The consolidated results carrying both Continuous and End Semester Assessments are forwarded through the respective Deans of Schools to the Office of the Controller of Examinations for officially publishing the results. The results are normally published a week after the completion of the End Semester Examinations

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 collects 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.

Some of the students of the Department are also members of the forums like ASAP training programme and Pain & Palliative Clubs.

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:

- Dr. T. P Abbas engaged an invited session on “Intelligent System: 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
- Dr. 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
- Dr. 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
- Dr. T. P Abbas delivered keynote address at the National Conference on Advanced Computing, 7th March 2013, Jamal Mohammed College, Trichy
- Dr. T. P Abbas delivered a lecture on “e-Tools for Self-Learning” in the Conference on e-Tools, SNDP Yogam College, Koyilandy
- Dr. 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.
- Dr. 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.
- Dr. 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.

- Dr. 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.
- Dr. S. 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.
- Dr. S. 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.
- Dr. S. 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.
- Dr. S. 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.
- Dr. S. Manjunath delivered a Special Lecture on “Color Image Processing” for M. Tech (CSE) students of Maharaja Institute of Technology, Mysore on 23 January 2013.
- Dr. S. Manjunath delivered a special Lecture on “Dynamic Programming” for M. Sc Computer Science students of Government College Mandya, April 2013.
- Dr. S. 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.
- Dr. S. 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.
- Dr. S. Manjunath delivered one day Workshop on “Digital Image Processing using Matlab” at Department of MCA, Jain University, Kanakapura.

- Dr. 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.
- Dr. 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.
- Dr. T. M. Thasleema delivered a lecture on the topic “Office Software”, orientation programs at Academic Staff College, Kannur University
- Dr. T. M. Thasleema delivered a lecture on the topic “Introduction to Pattern recognition”, refresher programs at Academic Staff College, Kannur University
- V. Kumar delivered two invited lectures on Data Warehousing and Data Mining at RVR Institute of Engineering & Technology, Sheriguda, AP, on 28 Feb 2014.

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

- The Department extends its expertise to the nearby schools and ITI in areas like setting up the labs, skill oriented training to teachers and technical staff.
- As an outreach programme, the department of Computer Science, with active support from its students forum ASCI (Association of Students in Computational Intelligence), decided to adopt the Marthoma Deaf School, Cherukkala, Kasaragod, for providing them with all possible ICT related support and training. Since the school currently lacks computing and the necessary assistive technologies in class rooms, the department of computer Science collectively decided to raise some fund for digitizing at least four classrooms with an expected cost of Rs. 4 lakh. For this, the staff and students of the Department are currently working together to contact philanthropists, computer based firms and industries to mobilize the required fund. In the second stage, the Department will extend training to faculty to use the ICT based assistive technology in teaching. The students of the school will also be trained in using the ICT based assistive technology for learning. If found successful, the Department has plan to extend the service to the nearby government schools and to the Govt. School for Blind at Kasaragod.
- The Department also campaign for an Online Blood Donation Forum, developed and maintained by Mr. Sujith B, Guest faculty, Department of Computer Science, Central University of Kerala. The Department undertaken campaign programmes in colleges within the District of Kasaragod to motivate the students to register in the online Blood Donation Forum. The

students and faculty of the Department are registered users of the Bllood Donation Forum. The Forum is envisaged as State Wide network of hospital, blood banks and donors to help the needy people and in emergency situations.

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.

- In the course delivery, the department stress on knowledge generation rather than the knowledge dissemination. The term papers, programming assignments, seminar reports, projects reports, are maintained in the form of a Course File, in fact, is a repository of knowledge generated through the delivery of that course.
- 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 faculty2. Students with relatively good potentials as the admission is done through the nation-wide competitive entrance test conducted by the University3. 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 relatively low student teacher ratio of 4:1 permits the Department to provide individual attention to the students and to adopt innovative teaching, learning and assessment methodologies like blended learning.5. 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.
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Weakness	<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, refreshment hall, separate staff rooms/cabins, departmental library, administrative and technical staff, sports and game facilities, etc. 5. Being the Department of a young university, the Department has yet to establish its brand name in the industry and academia
Opportunities	<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, 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 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.
Challenges	<ol style="list-style-type: none"> 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 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 3. The Department must take a leading role in training the school and college teachers in using ICT devices, tools and

	<p>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>
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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 job-oriented certificate and diploma programmes and enrichment and value added courses for other schools and departments.
- Proposes to undertake some externally funded collaborative research projects in collaboration with Department of Linguistics and other Departments of the School of Biological Science.
- 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

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 School of Mathematical and 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 and Semester System

Choice Based Credit and Semester System

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

None.

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

Position	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	3	3
Others			2*
* Visiting Faculty – 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 K. A. Germina	M. Sc., M. Phil., Ph. D.	Associate Professor & Head (on deputation)	Graph Theory	19	05 Ph. D. (left on 05.09.2014)
Dr Arjun Kumar Rathie	M. Sc., Ph. D.	Visiting Faculty	Special Functions, Generalized Hypergeometric Series and Ramanujan's work	23	01 Ph. D.
Dr Shaini P.	M. Sc., DPhil.	Assistant Professor	Fixed Point Theory	7	2 Ph. D.
Dr Ali Akbar K	M. Sc., PhD	Assistant Professor	Topological Dynamics	5	-
Dr Gnanavel Soundararajan	M. Sc., M. Phil., PhD	Assistant Professor	Partial Differential Equations, Inverse Problems	4½	-
Harilal N Thazhikkattuseril	M. Sc. & NET	Guest Faculty	-	03	-

*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.	20%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Sc.	8.2 : 1
Ph. D.	5 : 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.

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 ₹)		35,22,000/-

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Shaini P.	Set-Valuations of graphs: Distance Compatible Set-Labelled Graphs and their Applications	SERB-DST	23,22,000/-
	Fixed Point Theorems for various classes of 1-set contractions and Hemi contractive maps	UGC-Start-up	6,00,000/-
Dr. K. Ali Akbar	A Study on Topological dynamical systems with emphasis on linear and symbolic dynamics	UGC-Start-up	6,00,000/-
Total Grant			35,22,000/-

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	Nil
	Total Grant Received	Nil
National	Nil	
	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)	156	
Monographs	1	
Monograph	ISBN	Publisher
Shaini P. Fixed Point Theory: Fixed Point Theorems and Iterative techniques	978-3-8433-8930-3	Lambert Academic Publishing GmbH & Co. KG Germany
Chapters in Books	0	
Edited Books	0	
Total Number of Books	0	
Number listed in International Database	95	
Citation Index (Range)	15-567	
Source Normalized Impact per Paper (SNIP)	-	
SCImago Journal Rank (SJR)	-	

Impact Factor (Range)	0-2
h-index (Range)	2-10

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
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	Canada	Concordia University, 2011
Dr. Arjun K. Rathie	South Korea	Dongguk University and Wonkwang University, 2012, 2014, 2015
Dr Arjun . K Rathie	Oman	Sultan Qaboos University, 2012
Dr Arjun . K Rathie	Japan	Yamaguchi University, 2011

26. Faculty Serving in

Committees	Number
National committees	6
	1. Dr. K. A. Germina, Member of Kerala Mathematics Association (KMA) - Life member.
	2. Dr. K. A. Germina, Academy of Discrete Mathematics and Applications (ADMA)
	3. Dr. K. A. Germina, INDOCRYPT
	4. Dr. K. A. Germina, Indian National Academy of Sciences
	5. Dr. K. A. Germina, Indian Mathematic Association (IMA)
	6. Dr. K. A. Germina, Life member, Ramanujan Mathematical Society(RMS)
International committees	3
	1. Dr. K. A. Germina, Forum for Interdisciplinary Mathematical sciences (FIM), Canada 19

Committees	Number
	2. Dr Arjun K. Rathie, Member, Research Board of Advisors, American Biographical Institute. 3. Dr Arjun K. Rathie, Member of Scientific Committee for 7th International Conference on Research and education in Mathematics
Editorial Boards	2 1. Dr. K. A. Germina, Editorial Board Member, <i>Academy of Discrete Mathematics and Applications (ADMA)</i> : Reg. No. 838/2005-2006. 2. Dr. K. A. Germina, Editorial Board Member, <i>International Journal of Algorithm, Computing and Mathematics</i> . 3. Dr. K. A. Germina, Editorial Board Member, <i>Indian Journal of Mathematical and Computer Sciences</i> . 4. Dr. K. A. Germina, Editorial Board Member, <i>Newsletter for centre for Mathematical Sciences</i> . 5. Dr Arjun K. Rathie, Editorial Board Member, <i>Indian Academy of Mathematics</i> , India. 6. Dr Arjun K. Rathie, Editorial Board Member, <i>Bulletin of Kerala Mathematical association</i> . 7. Dr Arjun K. Rathie, Editorial Board Member, <i>South East Asian journal of Mathematics and Mathematical Sciences</i>
Any other (please specify)	25
	1. Dr. K. A. Germina, Senate Member, Kannur University 1998-2001 (under nomination). 2. Dr. K. A. Germina, National consultative committee member for Implementation of the National Mathematical Sciences Initiative (NMSI). 3. Dr. K. A. Germina, Core Group member: Core Projects under the National Center for Advanced Research in Discrete Mathematics (CARDMATH). 4. 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.

Committees	Number
	5. Dr. K. A. Germina, Member, Doctoral Committee, Kannur University.
	6. Dr. K. A. Germina, Member, Steering committee, Kannur University on reconstructing the curriculum and reviewing the scheme of Examination.
	7. Dr. K. A. Germina, Research Guide at Kannur University, MG University Kottayam, Anna University, Coimbatore.
	8. Dr. K. A. Germina, Member Board of Adjudicators for Ph. D. thesis Evaluation in MS University, Tirunelveli, Mother Theresa University, Kodaikkanal, Mysore University.
	9. Dr. K. A. Germina, Working as Referee for several national and international journals.
	10. Dr Arjun K. Rathie, Reviewer, Zentrablantt fur Mathematik.
	11. Dr Arjun K. Rathie, Reviewer, Mathematical Reviews.
	12. Dr Arjun K. Rathie, Working as Referee for several national and international journals .
	13. Dr Arjun K. Rathie, Life membership in Rajasthan Ganit Parishad, Ajmeer
	14. Dr Arjun K. Rathie, Life membership in SSFA, Lucknow.
	15. Dr Arjun K. Rathie, Delivered several invited talks and Seminars abroad.
	16. Dr Arjun K. Rathie, Research work quoted in a few books related to advanced Mathematics
	17. Dr Arjun K. Rathie, External Examiner for evaluation of Ph.D Thesis.
	18. Dr Arjun K. Rathie, Research Guide, CU Kerala, Banasthali University, Career Point University
	19. Dr. Shaini P has Refereed for 3 Springer Journals
	20. Dr. Ali Akbar K, Reviewer, Zentralblatt Math, Berlin, Germany.
	21. Dr. Ali Akbar K, Life Member of IMS.
	22. Dr Gnanavel Soundararajan, Reviewer, Applied Mathematical Modelling,
	23. Dr Gnanavel Soundararajan, Reviewer, Computers and

Committees	Number
	Mathematics with Applications
	24. Dr Gnanavel Soundararajan, Life time member of Indian Society for Technical Education
	25. Dr Gnanavel Soundararajan, External examiner for a Ph. D. thesis in Department of Mathematics, Periyar University, Salem, Tamilnadu.
	26. Dr Gnanavel Soundararajan, External examiner for M. Sc. in Department of Mathematics, Bharathiar University, Coimbatore.

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

Faculty	Programme Attended
Dr. Ali Akbar K.	<ol style="list-style-type: none"> 1. Attended the UGC sponsored Refresher course in Mathematics, ASC, Kannur University, Kerala, India, 25-11-2014 to 15-12-2014. 2. Attended the UGC sponsored Orientation Programme, ASC, University of Calicut, Kerala, 17-09-2014 to 16-10-2014 3. Participated in National Seminar on 'Reflective Practices in Higher Education', University of Calicut, 24-09-2014. 4. Participated in IISC Mathematics Initiative Workshop on Differential Equations, Govt. College Chittur, Palakkad, 15-21 May 2013. 5. Participated in Workshop on Number Theory and Dynamical Systems, KSOM, Kozhikode, Kerala, India, 04-08 February, 2013. 6. Participated in Free and Open Source Mathematical Software, Govt. College Chittur, Palakkad, 07-09 December 2012. 7. Advanced the Training in Mathematics (ATM) Workshop Almora Mathematical Surveys- 04-08 October, 2012, Kumaun University, Almora, India. 8. Participated in the Workshop on Geometric Group Theory at IISER, Mohali, 16 May - 21 May, 2011.

Faculty	Programme Attended
	<p>9. Participated in the "Instructional Workshop on Ergodic Theory and Dynamical systems", KSOM, Calicut, Kerala, 17 Oct - 4 Nov, 2011.</p> <p>10. Participated in one day lecture organized by Department of Mathematics and Statistics, University of Hyderabad, 22-03-2011.</p>
Dr Gnanavel Soundararajan	<p>11. Special Lectures on Navier-Stokes Equations: Solvability, Control and Stochastic Analysis, Bharathiar University, Coimbatore, 14-18 February 2011.</p> <p>12. Lecture Series on Navier-Stokes Equations: Solvability, Control and Stochastic Analysis, Indian Institute of Science Education and Research, Thiruvananthapuram, Kerala, February 22- March 4 2011.</p> <p>13. 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011), Vancouver, Canada during 18-22, July 2011.</p> <p>14. Special Lectures on Large Deviations Theory: Connections to Control Theory, Fluid Dynamics, Nonlinear PDE and Statistics Bharathiar University, Coimbatore, 16-22 February 2012.</p> <p>15. Seminar on Partial Differential Equations, Bharathiar University, Coimbatore 28-29 February 2012.</p> <p>16. National Programme on Differential Equation: Theory, Computation and Applications (Advanced Level), Indian Institute of Technology, Bombay, June 10-June 30 2012.</p> <p>17. Advanced Workshop on Homogenization, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, December 9-14 2013.</p> <p>18. Workshop on Differential Equations and its Applications, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, December 18-21 2013.</p> <p>19. Advanced Workshop on Mathematical Foundation of Advanced Finite Element Methods, BITS Pilani KK Birla Goa Campus, December 26, 2013-January 03,</p>

Faculty	Programme Attended
	2014. 20. International Congress of Mathematicians, Coex, Seoul, South Korea, August 13 - 21, 2014.
Dr. Shaini P.	21. Participated in 4 th Science Conclave, IIIT Allahabad during November 26- December 2, 2011 22. Symposium: Indian Women and Mathematics - 2012, IMSC, Chennai. January 8-10th 2012 23. International Conference on Non-linear Analysis, IMSC, Chennai, January 18-20th 2012 24. Discussion meeting on Geometry and Analysis, Harish Chandra research Institute, Allahabad during March 12-16, 2011 25. Participated in the 74th Orientation Programme organized at Calicut University, Kerala in June-July 2012. 26. National Seminar on Differential Equations and its Applications, SHIATS, Allahabad, 26th -27th February 2013 27. National workshop on Linear Algebra and its Applications, SHIATS, Allahabad, 06th -08th March 2013 28. Attended UGC sponsored Refresher course in Mathematics, at ASC Madras University during 5th - 25th November 2014

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	2
Awardee	Award
Dr. Ali Akbar	K. V. Rao Scientist Award

Dr S. Gnanavel	Indian delegate for ICM 2014
Doctoral/Post-Doctoral fellows	0
Students	1
Awardee	Award
Nitha Niralda	DST-Inspire

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 on Discrete Mathematics	2013	CU Kerala	Prof. E. Sampath Kumar and Prof. B. D. Acharya.
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. Parthasarathi and Prof. S. Balasubramani
National workshop on Topological Dynamics	19-21 Feb 2014	CU Kerala	Prof. Rama Mishra and Prof. Dr. I. Subramania Pillai
National workshop on Functional Analysis	20-22 March 2014	CU Kerala	Prof. Thamban Nair and Prof. V. Kulkarni.
National workshop on Module Theory	15-19 Dec 2014	CU Kerala	Prof. R. P. Shukla, Dr. Srivastava and Dr Vipul Kakar

31. Code of ethics for research followed by the departments

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.	273	11	73	100	100
Ph. D.	9	2	3	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	97%	3%	0%
Ph. D.	50%	25%	25%	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	2
KSCSTE-Ph. D. Fellowships	4
DST- INSPIRE	1

35. Student progression

Student progression	Percentage against enrolled	
UG to PG	Not Applicable	
PG to M. Phil.	Not Applicable	
PG to Ph. D.	10%	
Ph. D. to Post-Doctoral	Not Applicable	
Employed	Campus selection	Nil
	Other than campus recruitment	11
Entrepreneurs	0	

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0%
universities within the State	60%
universities from other States	40%
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
Ph. D.	2
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(52 system)
Research Laboratories	Research students are provided computer with WI-FI facility. There are two separate study rooms for research students

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

Awarding Institution	Number of PDF/RA
From the host institution/university	5/7
From other institutions/ universities	2/7
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 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.

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. Special lecture on Complex Analysis by Prof. K. Parthasarathi
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 Mathematic by Prof. A. M. Mathai.
4. Invited talk on Fractional differentiation by Prof. K. Balachandran.
5. Compact Course on Complex Analysis organized in the Department of Mathematics, CUK, Periyar during 09th -21st February 2015. Resource Person: Prof. Dr. N. Sridharan, Department of Mathematics from Alagappa University, Karaikudi, Tamilnadu

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. We follow, power point lectures, multimedia presentations, 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 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, we met our mission to give quality higher education to the socially and economically-backward students. 88% 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.

Luckily 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 student nominee for the academic council member was appointed from Mathematics department

Workshops and Training Sessions Conducted by Faculty

1. Dr. K. Germina organized National workshop on Discrete Mathematics at Department of Mathematics, funded by CU-Kerala
2. Dr. K. Germina organized National workshop on Linear Algebra at Department of Mathematics, funded by CU-Kerala
3. Dr. K. Germina organized National workshop on Applied Analysis at Department of Mathematics, funded by CU-Kerala
4. Dr. K. Germina organized National workshop on Topological Dynamics at Department of Mathematics, 19-21st February 2014, funded by CU-Kerala
5. Dr. K. Germina organized National workshop on Functional Analysis at Department of Mathematics, 20-22 March 2014, funded by CU-Kerala
6. Dr Shaini P., organized National Workshop on Module Theory, 15-19th December 2014, Department of Mathematics, funded by CU-Kerala
7. Dr. S. Gnanavel, organized the Compact Course on Complex Analysis, 09th -21st February 2015, Department of Mathematics, sponsored jointly by CU-

Kerala & Ramanujan Mathematical Society

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

- Student 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
- The faculty served as micro-observer in general elections.

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.

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
- Excellent availability of e- resources for teaching and research.
- Full-fledged computer lab with internet facilities and licensed software (MATLAB, MAPLE).
- Good rapport with student and teachers.
- Existing faculty with very good academic records.

Weaknesses

- Lack of faculty.
- Lack of sufficient rooms for teachers and students.
- Lack of meeting/ conference hall.
- Lack of office for the department.

Opportunities and Challenges

- Lack of senior faculty
- 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



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
PHYSICS**
(SCHOOL OF PHYSICAL SCIENCES)

SELF STUDY REPORT

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. The Department is a part of the School of Mathematical and 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. Physics & Ph. D. Physics

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.

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

Students are free to choose courses from other department under CBCS

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

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

* *Guest Faculty*

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. Vincent Mathew	Ph. D.	Associate Professor	Condensed Matter Physics - Theory	15 Years	5 M. Phil. and 8 Ph. D (on going)
Dr. E. Prasad	Ph. D.	Assistant Professor	Nuclear Physics	5 years	2 M Phil 4 Phd On going
Dr. S. C. Sahoo	Ph. D.	Assistant Professor	Experimental Condensed Matter Physics	5 years	3 M. Phil. 4 Ph. D. (on going)
Dr. Swapna S Nair	Ph. D.	Assistant Professor	Experimental Condensed Matter Physics	7 Years	4 M. Phil. 6 Ph. D. (on going)
Dr. P. M. Aneesh	Ph. D.	Assistant Professor	Experimental Condensed Matter Physics	4 years	1 Ph. D. (on going)

*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.	10%
Ph. D.	Nil

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. Sc.	6.58 : 1
Ph. D.	4.8 : 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
Administrative staff	-	0	0

16. Research thrust areas as recognized by major funding agencies

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.

Number of faculty with ongoing Research Projects	International	0
	National	3
Total grants received (in ₹)		40.2 Lakhs

Faculty (PI)	Project Title	Funding Agency	Grant Received
Dr. Sc Shao	Synthesis, Structural and Magnetic Correlation Studies of Magnetic Nanoparticles	UGC	6 Lakhs
Dr. E Prasad	Stabilizing effects of shell closure in fusion reactions	IUAC	6 Lakhs
Dr. Swapna S Nair	Fabrication of a Lead free piezoelectrics for energy harvestors	UGC	6 Lakhs
Dr. Swapna S Nair	Niobate based magnetoelectrics for Energy applications	DST	22.2 Lakhs
Total Grant			40.2 Lakhs

18. Inter-institutional collaborative projects and associated grants received

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

National	Stabilizing effects of shell closure in fusion reactions (UFR grant from IUAC)	6 Lakhs
	Total Grant Received	6 Lakhs

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)	88
Monographs	0
Chapters in Books	10
Edited Books	1
Total Number of Books	1
Number listed in International Database	-
Citation Index (Range)	0-103
Source Normalized Impact per Paper (SNIP)	-
SCImago Journal Rank (SJR)	-
Impact Factor (Range)	0-6
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
Through registration in a workshop	Nil

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

There were 5 such invitations to the faculty during the assessment period.

26. Faculty Serving in

Committees	Number
National committees	Nil
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. E. Prasad	<ol style="list-style-type: none"> 83rd UGC orientation programme, Calicut University OHS training programme on Ionization safety by Australian National University OHS training programme on machine safety by Australian National University
Dr. S. C. Sahoo	<ol style="list-style-type: none"> 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, from 29/04/2012 to 12/05/ 2012 Orientation Programme, ASC, Utkal University, 11/11/2014 to 08/12/2014
Dr. Swapna S Nair	<ol style="list-style-type: none"> Orientation Programme, ASC Kannur University, November 2014

28. Student projects

Name of the Faculty	% of Students
percentage of students who have done in-house projects including inter-departmental projects	94
percentage of students doing projects in collaboration with other universities/industry/institute	6

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

Faculty	2
Awardee	Award
Dr. E. Prasad:	1. Australian Research Council Fellowship for higher research, Australian National University, Canberra
Dr. S. C. Sahoo	2. Visiting Scientist, Electronic Materials Centre, Korea Institute of Science and Technology, Seoul, South Korea (working with Dr. Wook-Seong Lee
Doctoral/Post-Doctoral fellows	18
Awardee	Award
	Project under DST Women Scientist Scheme - 1 NET- 9 GATE- 2 KSCSTE fellowship- 3 Inspire Fellowship-2 Moulana Azad Research Fellowship-1
Students	11
Awardee	Award
	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 University

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc.		8	8	95.8	100
M. Phil.		2	5	100	100
Ph. D.	30+	13	11	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	0	96%	4%	0
Integrated M. Phil. /Ph. D.	16%	67%	33%	0
Ph. D.	71%	96%	4%	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	12
SET	0
JEST	2
GATE	6
KSCSTE-Ph. D. Fellowships	3
DST- INSPIRE	2
Moulana Azad Research Fellowship	1

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M. Phil.	1
PG to Ph. D.	9
Ph. D. to Post-Doctoral	Not Applicable
Employed Campus selection	0

	Other than campus recruitment	1
Entrepreneurs		0

36. Diversity of staff

Percentage of faculty who are graduates of	
the same university	0%
universities within the State	60%
universities from other States	40%
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	Utilizing University 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	2
Students' Laboratories	4
Research Laboratories	6

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

Awarding Institution	Number of PDF/RA
From the host institution/university	13
Shareef M	Dr. E Prasad (Advisor)
Subha A	Dr. S.C Sahoo (Advisor)
Anumol C N	Dr. S.C Sahoo (Advisor)
Chithra M	Dr. S.C Sahoo (Advisor)
Laveen P V	Dr. E Prasad (Advisor)
Nirmala Maria D'souza	Dr. Vincent Mathew (Advisor)
Salini K	Dr. Vincent Mathew (Advisor)
Shamlath K	Dr. E Prasad (Advisor)

Blessy Babuty	Dr. Swapna S Nair (Advisor)
Chitra Lekha C S	Dr. Swapna S Nair (Advisor)
Shalini M G	Dr. S.C Sahoo (Advisor)
Susha N	Dr. Swapna S Nair (Advisor)
Vivek S	Dr. Swapna S Nair (Advisor)
From other institutions/ universities	11
Name of Doctoral/PDF students or RA	Advisor
Ajith R	Dr. Vincent Mathew (Advisor)
Ajith Kumar K	Dr. Vincent Mathew (Advisor)
Susheel Rahul K	Dr. Vincent Mathew (Advisor)
Thomas Mathew	Dr. Vincent Mathew (Advisor)
Ajith S Kumar	Dr. Swapna S Nair (Advisor)
Levna Chacko	Dr. Aneeshh P M (Advisor)
Emmanuel Tom	Dr. Swapna S Nair (Advisor)
Sreejith K P	Dr. Vincent Mathew (Advisor)
Mamidi Kartheek	Dr. Vincent Mathew (Advisor)
Visakh A C	Dr. E Prasad (Advisor)
Dileep K V	Dr. Swapna S Nair (Advisor)

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

M. Sc. Students : 10-18

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/ 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?

The board of studies considers 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)

Students have joined as assistant professors in colleges and for Ph. D. in various prestigious institutions. Emmanuel Tom - Assistant Professor

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

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. Continuous evaluation is effectively used.

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

Resource person, invited lectures in national/international conferences, Organization 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, Micro observer in Parliament election

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.

Strengths: Internationally competing research activities, students' performance in competitive exams, Publication of research papers, external funds through projects.

Weaknesses: Requirement of more administrative support, Continuous internal evaluation will be more effective to evaluate the performance of students, Separate financial and purchase guidelines for running research projects will be more effective.

Challenges: Good students are available for admission. Challenge is to rain them for better results.

52. Future plans of the department.

- Bringing up general infrastructures and research equipment
- Collaboration with various national/international research groups
- Research grants from various funding agencies
- Conducts 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.
- Improve the facilities for attracting more international students



SECTION E
**EVALUATIVE REPORT OF THE
DEPARTMENTS**

**DEPARTMENT OF
SOCIAL WORK
(SCHOOL OF SOCIAL SCIENCES)**

SELF STUDY REPORT

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 Humanities & Social Sciences

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

M. S. W (Master of Social Work)

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 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	1	0	0
Associate Professors	2	0	0
Asst. Professors	4	0	3
Others			5*
* Guest Faculty – 5			

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. M. Mathew	MSW, Ph.D, Dip in Social & Health Care (London) , P.G Diploma in Management of Learning Disability & JRF	Faculty In charge	Community Development	12	3 M.Phil
Mrs. Noorjahan K	MSW, M.Phil & NET	Guest Faculty	Medical & Psychiatry	1	
Mr. Nelson George	MSW, M.Phil & NET	Guest Faculty	Medical & Psychiatry	1	
Mrs. Cicily Joseph	MSW & NET	Guest Faculty	Medical & Psychiatry	5	
Mrs. Kavyashree G	MSW & NET	Guest Faculty	Medical & Psychiatry	2	

*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
M. S. W	90%

14. Programme-wise Student Teacher Ratio

Programme	Student Teacher Ratio
M. S. W	10 : 1

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

Staff Type	Sanctioned	Filled	Actual
1	0	1*	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 ₹)		Nil

18. Inter-institutional collaborative projects and associated grants received

Collaboration Type	Project Title	Grant Received
International	Nil	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)	22	
Monographs	0	
Chapters in Books	0	
Edited Books	0	
Total Number of Books	2	
Books	ISBN	Publisher
Number listed in International Database	0	
Citation Index (Range)	0	
Source Normalized Impact per Paper (SNIP)	0	
SCImago Journal Rank (SJR)	0	
Impact Factor (Range)	1-3	
h-index (Range)	0	

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 national conference organised by Dept. of Social Work in 2013	₹2,00,000/-

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	Nil
Any other (please specify)	Nil

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

Nil

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	100

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

Faculty	Nil
Doctoral/Post-Doctoral fellows	Nil
Students	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
10th Annual National Seminar on Social Work Response to HIV/AIDS	28-31 Jan 2013	CUK	Prof. Gracious Thomas, Director, Social Work Dept., IGNOU, Delhi Prof. Udaya Mahadevan, Prof in Emeritus, Loyola College, Chennai)

Event	Date	Source of Funding	Outstanding Participants
One day workshop on Intersectoral 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 Dermatology)
One day Human Rights training at CUK, Vidyanaagar	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, Viswa-Bharathy 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, Areacode), Dr. C. Sreepriya, Principal, LISSAH College, Kozhikode, Mrs. Preetha, (Advocate, High Court of Kerala), Mrs. Rejina (Journalist, Madhyamam

Event	Date	Source of Funding	Outstanding Participants
			Daily)

31. Code of ethics for research followed by the departments

Not Applicable

32. Student profile programme-wise:

Name of the Programme	Applications received*	Selected		Pass percentage	
		Male	Female	Male	Female
M. S. W	330	35	33	100	100

* 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. S. W	Ph. D.	73%	27%	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	2
NET	7
SET	0
GATE	0
KSCSTE-Ph. D. Fellowships	0
DST- INSPIRE	0

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	Nil
	Other than campus recruitment	100%
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

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	3
Class rooms with ICT facility	3
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	Not Applicable
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.

M. S. W: 47/68

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, 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 first academic year, the faculty council of the department proposed necessary changes in the curriculum and syllabus, which was 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.

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. Two days Personal Growth Workshop for I Sem MSW students
2. Ten days class on Social Work & Case Work for I Sem MSW students by Prof. Gracious Thomas, Dr. Rose, Dept. of Social Work, IGNOU, Delhi
3. Five day workshop for II Sem MSW on Research Methodology & SPSS by Prof. Lal Das, Hyderabad

4. Two day workshop for II Sem MSW on Quantitative Research by Prof. M. Kannan, Trichy
5. Two day workshop on Transactional Analysis-basic II Sem MSW students by Mr. K. A. Sebastian, ICTA Kochi
6. Two day workshop on Individual and family therapy II & IV Sem MSW students
7. 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. .

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

M. S. W: We follow choice-based credit system. Students are taking elective courses offered by the same department. 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 work and field visits are part of the course.

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

Feedback and Evaluation.

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

All the social work students and faculty fully participate in the extension activities-planning, implementation and evaluation

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 campaign,
- Street theatre on current social issues,
- Organic farming

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	Lack of Permanent faculty	Visiting faculty	
Library, Study tour, Field work, Community living Camp	No computer lab	Free access to internet	
Teacher-student relation	Play ground	Guidance and Counselling	
Network with NGO's/ Institutions/Govt Departments		Seminars and workshops	
Job placement		Multicultural student community	Grading system

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 Campaign.
- Green Club to promote organic cultivation & nature fraternity





CENTRAL UNIVERSITY OF KERALA
केरल केन्द्रीय विश्वविद्यालय

Ref:

Date: 6 August 2015

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: Periy

Date: 6 August 2015

Signature of the Head of the institution

with seal





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