Who Can Register?

Faculty members and Research Scholars interested in pursuing research in emerging areas of Artificial Intelligence and Signal Processing. Those interested should apply online by visiting https://www.aicte-india.org/sites/default/files/ATAL/registration/ for confirming the participation. All the registration should be through proper channel

Eligibility

- There is no registration fee from any participants
- All the faculties & Research Scholar from AICTE approved institutions and other research institutions are eligible for the workshop
- No TA/DA will be paid to any participants.
- Number of participants is limited to 50.
- Participants will be selected on first-come first-served basis.
- Selected candidates will be intimated by e-mail. Also confirmations of participation is to be made by email only.
- Faculty members selected for the program should get the authorization certificates signed from the Head / Principal.
- The Coordinators decision will be final in the selection of participants
- Participants will have to make their own stay arrangements during the five days. Scanned copy of filled in registration form is to be uploaded to the e-mail id thasleema@cukerala.ac.in

For correspondence:

Registration:

Dr. T M Thasleema, Mobile: +91 9497295949
Accommodation:
Abraham Thomas, Mobile: +91 8138046189
Muhammed Saleel K, Mobile: +91 9847543210

Important Dates:

Sept 27, 2019: Last Date for registration
Sept 28, 2019: Intimation of selection (by Email)

Chief Patron

Prof. (Dr.) G. Gopakumar,
Vice Chancellor, Central University of Kerala.

Patron

Prof. (Dr.) M.R.Prathapachandra Kurup,
Dean, School of Physical Sciences, CUK.

Chair

Dr. R Rajesh,
Head, Department of Computer Science,CUK.

Organizing Secretary

Dr. T. M. Thasleema,
Assistant Professor, Department of Computer Science, CUK.

Organizing Committee

Mr. V. Kumar,
Assistant Professor, Department of Computer Science, CUK.
Dr. Manohar Naik S,
Assistant Professor, Department of Computer Science, CUK.
Mr. Fasil O K, Ms. Shabina Bhaskar, Ms. Adithya.

Technical Support

IEEE Student Branch,
Central University of Kerala.

Topics covered

- Frontiers of Artificial Intelligence
- Search Algorithms for Problem Solution
- Statistical Pattern Recognition
- Statistical Models for Signal Processing
- Regular Expression and Automata
- HMM Models for Signal Processing
- Reinforcement Learning Algorithms

FIVE DAYS WORKSHOP ON

"ARTIFICIAL INTELLIGENCE"

30 September 2019 to 4 October 2019

Sponsored by

AICTE Training and Learning **(ATAL)**

Organized by

Department of Computer Science
School of Physical Sciences
Central University of Kerala

Five Days Workshop on

"Artificial Intelligence"
30 September 2019 to 04 October 2019
Registration Form

(Fill, scan this part and send by email to thasleema@cukerala.ac.in)

Name: _____

Designation:_____

Institution:_____

Address: _____

_____

Mobile: _ _____

E-Mail ID: _____

DECLARATION

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of Five Days workshop on Artificial Intelligence under AICTE Training & Learning.

Date:

Place: Signature of theApplicant.

DECLARATION

This is to certify that _____ is regular employee / Research Scholar/ PG Scholar of our institutions and is hereby permitted to attend the Five Days workshop on Artificial Intelligence at Dept. of Computer Science, Central University of Kerala during 30 September 2019 to 04 October 2019

Date:

Place: Signature of the HoD/Principal.
                                              with seal

About CUK

The Central University of Kerala, Kasaragod, came into being in 2009 under the Central Universities Act 2009 (Parliament Act No. 25 of 2009). The University is founded on the noble vision of a 'Caring Wisdom' and is guided by the lofty ideals of academic and social commitment, moral steadfastness and intellectual and spiritual enlightenment, as reflected in its vision statement. The Central University of Kerala (CUK) here is ranked among the top 150 premier educational Institutions across India, as per the National Institutional Ranking Framework (NIRF 2019)survey

About the Department

The Department of Computer Science started functioning in Aug 2011. The Department offers MSc Computer Science with a specialization in Intelligent Systems. The courses are designed with the objective of equipping the students for the IT industry and for streamlining them for taking up research in Intelligent Systems. State of the art computing facilities are available in the Department. Currently the department has two labs – General Computing Lab and Signal Processing and Intelligent Systems Lab. Both the labs have high-end Apple i-Mac and Apple Mac Pro systems. The Intelligent Systems Lab is also equipped with high-end research tools and software. The Department recently started Param Shavak Super Computer Center. The Department also offers a Ph.D program in Computer Science. Since its inception, the Department has been organizing a host of curricular and co-curricular ac the tivities aiming at the academic enrichment of students and faculty

About AICTE

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. The purview of AICTE (the Council) covers programs of technical education including training and research in Engineering, Technology, Architecture, Town Planning, Management, Pharmacy, Applied Arts and Crafts, Hotel Management and Catering Technology etc. at different levels.

Resource Persons

1. **Prof. Dr. Praveen Kumar,**
   Department of Computer Science and Engineering, LBS College of Engineering Kasaragod.

2. **Dr. R. K. Sunil Kumar,**
   Assistant Professor, School of Information Science and Technology, University of Kannur.

3. **Dr. Lajish V.L,**
   Head, Department of Computer Science & Director,Calicut University Computer Center, University of Calicut.

4. **Dr. N S. Sreekanth,**
   Joint Director, C-DAC, Bangalore.

5. **Dr. V. Kabeer,**
   Assistant Professor & Head, Department of Computer Science, Farook College.

6. **Dr. Vivek P,**
   CIDA Labs, Department of Computer Science, University of Calicut.

7. **Mr. Sandeep Chandran,**
   Assistant Professor, Department of Computer Science, and Engineering, LBS College of Engineering, Kasaragod.

8. **Ms. Manjary P Gangan,**
   CIDA Labs, Department of Computer Science, University of Calicut.

9. **Mr. Anoop,**
   CIDA Labs, Department of Computer Science,University of Calicut.

10. **Mr. Sunil John,**
    Assistant Professor, Department of Physics, ST. Mary's College Sulthan Bathery.

11. **Mr. Vimal Krishnan V R**,
    Founder & COO, Scrum field, Thiruvananthapuram.

AICTE - ATAL PROGRAM : ATTENDANCE SHEET

Institute Name- Central University of Kerala	Coordinator's Name - Dr. T. M. Thasleema		Thrust Area- Artificial Intelligence
Institute Address- Department of Computer Science, Central University of Kerala, Thejaswini Hills, Periya (P O), Kasaragod	Date of Program- (30/09/2019 to 04/10/2019)		Course code-ATVR0112

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CENTRAL UNIVERSITY OF KERALA
केरल केन्द्रीय विश्वविद्यालय

Thasleema T M <thasleema@cukerala.ac.in>

Invitation - Five Days Workshop on Artificial Intelligence

1 message

thasleema; CuKerala <thasleema@cukerala.ac.in>   Sun, Sep 29, 2019 at 4:14 PM
To: vicechancellor CUKerala <vicechancellor@cukerala.ac.in>, Pro ViceChancellor <pvc@cukerala.ac.in>, registrar CUKerala <registrar@cukerala.ac.in>, controller examinations <ce@cukerala.ac.in>, Sureshan Kandathil <aracademic@cukerala.ac.in>, AR Estate <arestate@cukerala.ac.in>, jayakrishnan CUKerala <jayakrishnan@cukerala.ac.in>, AR Finance <arfinance@cukerala.ac.in>, financeofficer CUKerala <financeofficer@cukerala.ac.in>, Sreelesh Vengateri <systemanalyst@cukerala.ac.in>, sreelesh vengateri <sreeleshv@cukerala.ac.in>

Dear Sir

The Department of Computer Science, Central University of Kerala is organizing Five Days Workshop on Artificial Intelligence **(30 September 2019 to 4 October 2019)**. The workshop aims to bring researchers, academics and industry personnel into a common platform in order to discuss on the innovative research and development activities together with challenges involved in the area of Artificial Intelligence. This workshop will feature invited plenary talks and hands on session by renowned personalities in the areas of Artificial Intelligence, Machine Learning, Neural Network Theory and Applications and others. On behalf of the Department of Computer Science I cordially invite you for the workshop

Brochure, program schedule and invitation is attached herewith

Yours Sincerely

Thasleema
Organizing Secretary, FWAI

Dr. T. M. Thasleema
Assistant Professor
Department of Computer Science
School of Mathematical and Physical Sciences
Central University of Kerala
Periye - 671316, Kasaragod

3 attachments

📄 **ATAL-Brochure-Final-V4.pdf**
605K

📄 **workshop shedule-V2.pdf**
18K

📄 **inaugral schedule-final.docx**
209K

REPORT

FIVE DAYS WORKSHOP
ON
ARTIFICIAL INTELLIGENCE

30th September to 04th October, 2019 at Central University of Kerala

AICTE TRAINING AND LEARNING ACADEMY, TRIVANDRUM

ARTIFICIAL INTELLIGENCE

AICTE Training and Learning (ATAL) academy sponsored Five Days Workshop on Artificial Intelligence has been organized by Central University of Kerala dated from 30th September 2019 to 04th October 2019 full day in which out of 115 registered participants 95 presented across Kerala.

The speakers for the 5-day workshop on "ARTIFICIAL INTELLIGENCE" were:

Prof. Dr. Praveen Kumar, Dean, Department of Computer Science & Engineering, LBSCE Kasaragod

Prof. Dr. Praveen Kumar presently working as Dean in Lal Bahadur Shastri College of Engineering, Kasaragod. He has More than 20 years of Experience in teaching at different levels as Asst Professor, Associate Professor and Professor. He has more than 10 research publications in reputed journals and Conducted many STTPs (Short Term Training Programme) on Distributed Computing, Wireless communication, IoT, Outcome based Education and Deep Learning, etc. He evaluated more than 10 PhD thesis of various Universities. He organized international and national conferences at LBS College of engineering, Kasaragod. He guided many academic as well as industrial projects and worked as consultant for Central Plantation Crops Research Institute, Kerala. Presently translating the NPTEL material in IoT from English to Malayalam and Expert member for SCERT.

Mr. Sandeep Chandran, Assistant Professor, Department of Computer Science & Engineering, LBSCE Kasaragod
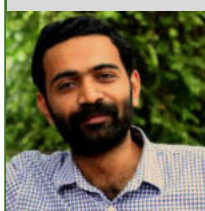
Mr. Sandeep Chandran Currently working as Assistant Professor in LBS college of Engineering Kasaragod. He completed MTech from NITK Surathkal. He has more than 10 years of teaching experience. Served as moodle administrator, Public Information officer, TEQIP Procurement Co-Ordinator, NSS Program Officer in LBS institute of technology for women in Trivandrum. He organized Faculty Development Programmes in LBS institute of technology for women in Trivandrum. Presently he is center coordinator of online PSC examination Kerala, Coordinator of Skill Development Program in LBS College of engineering Kasaragod.

Dr. V. L . Lajish, Head, Department of Computer Science, University of Calicut

Dr. Lajish V L Currently working as Assistant Professor & Head in Calicut University. His areas of Specializations are Computational Intelligence, Data Analytics, Indian Language Speech/Script Technology Solutions for masses, Digital Image Processing and Pattern Recognition Algorithms. He has successfully guided 2 doctoral and 11 MPhil scholars and Presently 6 Doctoral and 2 M.Phil Scholars are working under his supervision and guidance. Dr.Lajish has One US Patent, 2 books edited, 4 book chapters and more than 75 research publications in peer-reviewed journals. He has Many International and National conferences to his credit. He is a recipient of prestigious **Tata Innovista Leading Edge Award in 2009** by Tata Quality Management Services to stimulate and support Innovations across Tata Group of Companies across the globe and **Dr. APJ Abdul Kalam Life Time Achievement National Award in 2017** for the outstanding excellence and remarkable achievements in the field of Teaching and learning by IRDP Group of Journals, Chennai, India. Dr. Lajish V.L was a member of the project team to receive the **Kerala State e-Governance Award** 2011-2013 from the Government of Kerala, for instituting various e-Governance programs at University of Calicut, under the category of e-Governance leader.

Dr. Vivek P, CIDA Labs, Department of Computer Science, University of Calicut

Dr. Vivek P is an Assistant Professor in Department of Computer Science, Calicut University. He has 5 international journal publications on his credits and presented papers in 11 international and national conferences. He is Technical Manager of Malayalam Phonetic Archive and Malayalapadam – Bashakeli, the Projects of Thunjath Ezhuthachan Malayalam University.

Dr. R K Sunilkumar, Assistant Professor, Department of Information Technology, Kannur University

Dr. R K Sunil Kumar is presently working as Assistant Professor and Director in Department of Information Technology, Kannur University, Kerala. He has more than 50 national international Publications. He received Young Scientist Award in 2014. Currently he is guiding 4 PhD Scholars on the field of Artificial Neural Network, Digital Signal Processing etc.

Dr. N S Sreekanth, Joint Director, CDAC, Bangalore

Dr. N S Sreekanth is working as Joint Director at CDAC Bangalore. He has 12 years Research and Development experience in the area of Human Computer Interaction and Machine Learning. He worked as Senior Technical officer and Principal Technical Officer at CDAC Bangalore. Executed more than 6 Research and Development project worth of Rs. 70 Million funded by various Govt. agencies (Ministry of Electronics and Information Technology, Govt. of India, Dept. of Science and Technology, Govt. of India, CSIR, MeitY- North East Grant etc.) in the area of e-Learning, Assistive and Accessible Computing, HCI. He authored

Dr. V. Kabeer, Head, Department of Comput er Science, Farook College

Dr. V. Kabeer is the Head & Research Guide of the Postgraduate and Research Department of Computer Science, Farook College (Autonomous), Kozhikode. He serves as the Deputy Controller of Examinations and Asst. Co-ordinator of IQAC, Farook College (Autonomous), Kozhikode. He has been Academic Counsellor of IGNOU since 1999. He has been Co-ordinator to Computer Programmes of Indira Gandhi National Open University (IGNOU) since August 2000. He is the Editor of "MES Journal of Technology & Management". Also, he is the coauthor of edited Proceedings Book of International Conference on Computational Engineering, Practices and Techniques, November 2010. He has published more than 40 research papers in his research areas like Image Processing, Pattern Recognition and Soft Computing. Also, he served as Resource person in many

Mr. Vimal Krishnan V R, Founder & COO, ScrumField, Thiruvananthapuram

He is currently working as Founder 7 COO at Scrumfield Solutions Private Limited, Trivandrum. He completed MBA from Pondicherry University and MSc from Periyar University. He has more than 5 years of industrial experiences. He research and also various web, mobile related projects. He authored more than 15 publications and delivered talk in different areas like Artificial Intelligence, E-Governance etc.

The Department of Computer Science, Central University of Kerala has organized 5 days workshop on Artificial Intelligence sponsored by AICTE Training and Learning Academy (ATAL) at Central University of Kerala during 30-09-2019 to 04-10-2019. The organizing secretary was Dr.Thasleema T M Assistant Professor,Central University of Kerala. The purpose of this workshop was to motivate the stakeholders with basic concepts in Artificial Intelligence, Machine Learning and Deep Learning and also with some hands-on experience in Python Programming language. Out of 115 registered participants 95 participated across Kerala. The Programme inaugurated by Pro.Vice Chancellor Prof.Dr.Jayaprasad .

On the first day of workshop the keynote speech entitled "Frontiers of Artificial Intelligence". was delivered by Prof. Dr. Praveen Kumar from LBS college of Engineering, Kasaragod. He started with a brief history of AI and its application. He discussed about the knowledge representation, theorem proving methods, basic search algorithms in AI, artificial neural network and he ended his session by giving an overview about the future of AI. The second session "Walk Through on Python" delivered by Mr. Sandeep Chandran, Assistant Professor, LBS college of Engineering, Kasaragod. As the titles indicates it was really a basic walk for the Python beginners. He explained about the basic concepts such as data structures, looping etc. and also a small introduction about the Machine Learning Programming in Python.

In the second day a team from Calicut University under the guidance of Dr. Lajish V L, Head of Dept. Computer Science handled the sessions. He delivered a talk on "ML story: Perceptron to Deep Neural Nets". In this session the transition from Perceptron to Deep Neural Networks explained very clearly. After this session Dr.Vivek, Assistant Professor,Calicut University gave basic ideas in "Speech Analytics ". In the afternoon, Dr Lajish & Dr Vivek handled a session on "Convolutional Neural Network Theory(CNN) and its Experimental Experience" along with the research scholar Anoop and Manjary P Gangan. In this they dealt with image classification problem using CNN and Python programming.

On the third day of workshop Dr.R K Sunil Kumar and Mr.Sunil John from Kannur University delivered a speech in "Signal Processing Methods for Machine Learning". He began with the theory behind the signal, system and moved into signal preprocessing techniques, feature extraction, Convolution, Fourier Transform, Wavelet Transform etc. In the afternoon session MR.Sunil John and Vibheesh along with Dr. Sunil Kuamr gave a practical experience in acoustic signal processing using python.

In the fourth day the whole sessions handled by Dr.N S Sreekant, Scientist E/Joint Director, CDAC Bangalore. He handled the sessions "Introduction to Speech Processing", "Computational Model for Speech Recognition" and "Multimodal Speech Recognition systems". He explained about the different N gram language models, Acoustic models and Hidden Markov Model for speech recognition. In multimodal speech recognition he explained about how to combine hand gesture and acoustic signal processing concept.

On 04 October, 2019, the day started with the session handled by Dr. V Kabeer on the topic of "Reinforcement Learning" at 10.00 am to 11.30 am.. The speaker started with giving basic idea of reinforcement learning. He has gone through the importance of the domain with mentioning some of the real life examples.

In the second session, Mr. Vimal Krishnan V R handled the sesssion on "Applications of Reinforcement Learning". He has discussed about how to use the theory in the level business and what are business field already with the theory of reinforcement learning. The session was very good and also enjoyable as it was an interactive session. In the afternoon session the resource person has given a practical hands on session using python.

Valedictory Function

The valedictory function was chaired by Dr. Alagu Manickavelu, Dean Student Welfare, Central University of Kerala. An examination with duration of 30 mints have been conducted and a feedback session was also arranged. During the valedictory function the certificate distribution also have been arranged.

During the conclusion oral and written feedback from the participants were collected. Both in the oral and written feedback the conduction of the workshop was well appreciated by the participants. Formally the function was concluded by rendering vote of thanks by Dr. T. M. Thasleema, the coordinator of the program.

अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A Statutory Body of the Govt. of India)
CET Campus , SWRO
Thiruvananthapuram - 695016

AICTE TRAINING AND LEARNING (ATAL) ACADEMY
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F.No. 1-153/AICTE/KERALA/2019   12.09.2019

To

The Registrar,
Central University of Kerala
Periye - 671316, Kasaragod.

Sub: Release of a sum of **Rs 1,62000 /-**for **AICTE Training And Learning (ATAL) Academy programme**– Reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 162000 /-** (Rupees **One Lakh Sixty- Two Thousand** Only) for conduct of **AICTE Training And Learning (ATAL) Academy programme Artificial Intelligence** to **Department of Computer Science, Central University of Kerala, Periye** under AICTE **Training And Learning (ATAL) Academy.**

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I.   Release of funds and maintenance of accounts

   a. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.

   b. The cost for conducting per programme will be Rs.1,62,000/- as per detail given as under:

1.	Honorarium for Director	Rs. 10,000/-
2.	Honorarium to Co-ordinator Rs.2000/- per day x 5 days	Rs. 10,000/-
3.	Honorarium for experts (Rs.3000 per session for total 14 session)	Rs. 42,000/-
4.	Refreshment & Lunch (Rs. 300 per head for 50 trainees for 5 days)	Rs. 75,000/-
5.	Institutional charges	Rs. 15,000/-
6.	Miscellaneous charges	Rs. 10,000/-
	TOTAL =	**Rs, 1,62,000/-**

   c. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution.

II.   Disbursement of funds to institutions

   The full amount of the grant sanctioned will be released as an advance to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form

III.   Conduct of test and issuance of certificate

   ☐ A test shall be conducted by coordinator at the end of the program.
   ☐ The certificates shall be issued to those participants who have attended the program without any absenteeism and scored minimum 60% marks in the test.

सूचना का अधिकार

IV. Submission of documents by university/institution

a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program: -

   (i)   List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.

   (ii)   A program completion report along with photographs, videos, media report is to send after the completion of workshop along with the list of participants and Utilization Certificate, Expenditure Statement and feedback form etc. within one month of conduct of **AICTE Training And Learning (ATAL) Academy programme**.

b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be adjusted.

V. General Instructions

a. Participants has to be faculty of AICTE approved institutions/ Host Institution/ Research Scholar/PG Scholar.

b. If programme is not conducted in the year 19-20, the released amount, along with interest accrued thereon, has to be returned back to AICTE.

c. Any extra money required to complete the programme must be borne by the institute from their own resources but the quality of the activities should not be compromised.

d. Any unavoidable circumstantial change in the Program with respect to name of Project Coordinator, Venue and date for organizing AICTE Training And Learning (ATAL) Programme would mandatorily require prior approval of the Council. All such requests should be addressed to ATAL Academy, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council.

e. This Sanction Order may be treated as Offer Letter for all purposes.

Yours sincerely,

Director ATAL Academy
Trivandrum

Copy forwarded for information and necessary action to: -

1. **Dr. T. M. Thasleema, Central University of Kerala ,Periye**
2. **ATAL Academy Cell AICTE HQ**
3. **Guard File**