

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 activities 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.

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 CS, CUK.

Organizing Secretary

Dr. T. M. Thasleema,
Assistant Professor, Department of CS, CUK.

Organizing Committee

Mr. V. Kumar,
Assistant Professor, Department of CS, CUK.

Dr. Manohar Naik S,
Assistant Professor, Department of CS, CUK.

Mr. Fasil O K, Ms. Shabina Bhaskar, Ms. Adithya, Mr. Ishfaq, Ms. Hashida Hydros
Research Scholars, Dept. of CS, CUK.

Technical Support

IEEE Student Branch, IEEE WIE Affinity Group
Dept. of CS, Central University of Kerala.

Resource Persons

1. **Dr. Mahamad Suhil**, Technical Manager (Artificial Intelligence), SCGBS Pvt. Ltd, Bangalore.
2. **Mr. Sandeep Chandran**, Assistant Professor Department of Computer Science and Engineering, LBS College of Engineering, Kasaragod.
3. **Dr. Vivek P**, Assistant Professor, Dept. of CS, University of Calicut
4. **Mr. Vimal Krishnan V R**, Founder & COO, Scrum field, Thiruvananthapuram
5. **Dr. N S. Sreekanth**, Joint Director, C-DAC, Bangalore.
6. **Dr. V L Lajish**, Head of the Department, Dept. of CS, University of Calicut.
7. **Dr. S. Manjunath**, Chief Engineer, Samsung Electro Mechanics Co. Ltd., Bangalore
8. **Mr. Vimal Krishnan V R**, Founder & COO, Scrum field, Thiruvananthapuram
9. **Anoop K & Manjari P Gangan**, CIDA Lab, Department of CS, University of Calicut

Five Days ONLINE Faculty Development Program

ON

ARTIFICIAL INTELLIGENCE

03 - 07 June, 2020



Sponsored by

AICTE Training and Learning (**ATAL**)

Organized by

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



PROGRAM SCHEDULE

Days	Session 1	Session 2	Session 3
Day 1 03 - 06 - 2020	10.30 am - 12.00 pm An insight into AI Dr. Mahamad Suhil	1.30 pm - 3.00 pm AI in real life Dr. Mahamad Suhil	3.30 pm - 5.00 pm Introduction to Python Mr. Sandeep
Day 2 04 - 06 - 2020	10.00 am - 11.30 am An introduction into Digital Signal Processing Dr. R. K. Sunilkumar	12.00 pm - 01.30 pm Fundamentals of Speech Processing Dr. Shashidhar G Koolagudi	2.30 pm - 04.00 pm Multimodal Speech Recognition System Dr. N S Sreekanth
Day 3 05 - 06 - 2020	10.00 am - 11.30 am Speech analytics based on recent Machine Learning Paradigms Dr. Vivek P	12.00 pm - 01.30 pm How to start with Kaldi for Developing ASR in Native Languages Dr. Vivek P	2.30 pm - 04.00 pm Stress Management - Identify and cope with stress Vimal Krishnan V R
Day 4 06 - 06 - 2020	10.00 am - 11.30 am ML Story : Perceptron to Deep Neural Networks Dr. V L Lajish	12.00 pm - 01.30 pm Setting up ML with CNN for heterogenous data Anoop K & Manjari P Gangan	2.30 pm - 04.00 pm Introduction to Convolution Neural Networks Dr. S. Manjunath
Day 5 07 - 06 - 2020	10.00 am - 11.30 am Understanding of standard Convolutional Neural architecture Dr. S. Manjunath	12.00 pm - 01.30 pm Implementation of CNN using Tensorflow 2.0 Dr. S. Manjunath	2.30 pm - 4.00 pm Valedictory Function

Instructions:

- All the sessions will be carried out using CISCO Webex training platform
- Those who have scored 80% attendance + 60% marks in test will award the certificates of participation
- Familiarity with Python is ideal. Carry your laptop with the following specifications

OS: Linux (preferably Ubuntu 16.4, 64-bit machines), Windows (Preferably Windows 10, 64 bit)

RAM: 4GB (Minimum)

Processor: i3 or higher

Software Requirements: Python 3.6, Ananconda Cloud, Spyder & Jupyter Notebook

Refer Link : <https://www.anaconda.com/distribution/>

Python Package: Keras, Scikit-Learn

ATTENDANCE : FDP on Artificial Intelligence (03 - 07 June 2020)

Name	6/3/20			6/4/20			6/5/20		
	I	II	III	I	II	III	I	II	III
A V KALPANA									
Abisha D		P	P	P	P	P	P	P	P
Adithya V	P	P	P	P	P	P	P	P	P
Andhavarapu Bhanusri		P	P	P	P	P	P	P	P
Anjana S	P	P	P	P	P	P	P	P	P
Anju Rachel Oommen		P	P	P	P	P	P	P	P
Aparyay kumar	P	P	P	P	P	P	P	P	P
ARCHANA ANIYAN	P	P	P				P	P	P
B Sarala	P	P	P	P	P	P	P	P	P
BABU KUMAR S	P								
Baby Anitha E	P	P	P	P	P	P	P	P	P
BANOTH PREM KUMAR NAIK	P	P	P	P	P	P			
Bodukum.Bhavya	P								
CHAPPELI SAI KIRAN		P	P						
Chinchu M S		P	P						
Deepa Jose		P	P	P	P	P	P	P	P
Deepak Kumar	P	P	P	P	P	P	P	P	P
Deepika Gahlan	P	P	P	P	P	P	P	P	P
Dinesh kumar Jayaraman Rajendiran	P	P	P	P	P	P	P	P	P
Divya S	P	P	P	P	P	P	P	P	P
Dr A Anitha	P	P	P	P	P	P	P	P	P
Dr chinta someswararao	P	P							
Dr Govinda Raju HV	P	P	P	P	P	P	P	P	P
Dr K.P.Porkodi	P	P	P	P	P	P	P	P	P
Dr KASA SUDHEER	P	P	P	P	P	P	P	P	P
Dr Manjunatha Kondekal	P	P	P	P	P	P	P	P	P
Dr Manohar Naik S	P	P	P	P	P	P	P	P	P
Dr Nandakumar S	P	P	P	P	P	P	P	P	P
Dr Rajesh R	P	P	P	P	P	P	P	P	P
Dr SHAIK FAIROOZ	P								
Dr SUGANTHI SANTHANAM	P	P	P	P	P	P	P	P	P
Dr Sunita R Patil	P	P	P		P	P		P	P
Dr T M INBA MALAR	P	P	P	P	P	P	P	P	P
Dr. Deepu R	P	P	P	P			P	P	P
Dr. G. Kavitha	P	P	P	P	P	P	P	P	P
Dr. L. Sherly Puspha Annabel	P	P	P	P	P	P	P	P	P
Dr. Mallikarjun B C	P	P	P	P	P	P	P	P	P
Dr. Navneet Agrawal	P	P			P	P	P	P	P
Dr. S. Prem Kumar	P	P							
Dr. Samidha Saxena	P	P		P	P	P			P
Dr. savita Dubey	P	P	P	P	P	P	P	P	P

Dr. Sumit Bhatiya	P	P	P	P	P	P	P	P	P
Dr. T. Maharaja	P	P	P	P	P	P			P
Dr. Vikash Yadav	P	P	P	P	P	P	P	P	
Dr.A.Kalaivani	P	P	P	P	P	P	P	P	
Dr.K.Muthumayil	P	P	P	P	P	P	P	P	P
Dr.M.Meenakumari	P	P	P	P	P	P	P	P	P
Dr. Sajna K	P	P	P	P	P	P	P	P	P
Dr.Sasikumar Gurumoorthy	P	P	P	P	P	P	P	P	P
Duraimurugan P	P	P	P		P	P	P	P	P
EINDHUMATHY J	P	P	P	P	P	P	P	P	P
ELAVARASI K	P	P	P	P	P	P	P	P	P
Fasil O K	P	P	P	P	P	P	P	P	P
G.BHARATHA SREEJA	P	P	P	P	P	P	P	P	P
GOVINDA RAJU H V	P	P							
Gowriswari S	P	P	P		P	P	P	P	P
Harin, M Mohan	P	P	P		P	P	P	P	P
Haseeb Ur Rahman				P	P				
HEMAMALINI	P	P	P	P	P	P	P	P	P
J.Joselin Jeya Sheela	P	P	P	P	P	P	P	P	P
JASMINE VIJITHRAA	P	P	P		P	P	P	P	P
Javed Akhtar Khan		P	P	P	P	P	P	P	P
Jayamani S							P	P	
Jlgnesh H. Vaniya	P	P	P		P	P	P	P	P
JIJin U	P	P	P	P	P	P		P	P
JUSTIN REJI	P								
kavya Balan	P	P	P	P	P	P	P	P	P
Keerthi D	P	P	P	P	P	P	P	P	P
K MAHAMMAD	P	P	P		P	P	P	P	P
K. Jaraline Kirubavathy	P	P	P		P	P	P	P	P
K.P.LOCHANAMBAL	P	P	P	P	P		P	P	P
Kasim K	P	P	P	P	P				
KOTA NAGESWARA RAO	P	P	P	P	P	P			
Kumar V	P	P	P	P	P	P	P	P	P
Lubna Riyaz	P	P	P	P	P	P	P	P	P
Rathan M	P	P	P	P	P		P	P	P
M SREEDHAR REDDY	P	P	P	P	P	P	P	P	
M.BARITHA BEGUM	P	P	P	P	P	P	P	P	P
Meharban M S	P	P	P	P	P	P	P	P	P
Mohammad Junaid Khan									
Mohd Anas Wajid	P	P	P	P	P	P	P		
MOHD. SAIF WAJID	P	P	P	P	P	P	P		
MORUKURTHI SREENIVASU	P	P	P	P	P	P	P	P	P
MRUTYUNJAYA S YALAWAR	P	P	P	P	P	P	P	P	P
Ms. Bhupinder Preet Bedi	P	P	P	P	P	P	P	P	P
Nageswara Rao P	P	P	P	P	P	P	P	P	P

Nasim Banu Anwar Ali Shah	P	P	P	P	P		P	P	P
Navnish Goel	P	P							
Nazeerunnisa Qureshey	P	P	P	P	P	P	P	P	P
Neetha K	P			P	P	P	P	P	P
Nimitha N	P	P	P	P	P	P	P	P	P
Padarathi Dharma Teja	p	p	p	p	p	p	p	p	p
P Pavan Kumar	P	P	P	P	P	P			
Poonguzhali S	P			P	P	P	P	P	
Pradeep Sharma	P	P	P	P	P	P	P		
Priyadharsini K	P	P	P						
Priyanka Dixit		P	P				P		
Ravi Vaishali	p	p	p	p	p	p	p	p	p
R RAMYA	P	P	P	P	P	P	P	P	P
R.SATHYA VIGNESH	P	P	P	P	P	P	P	P	
RAJALAKSHMI S	P	P	P	P	P	P	P	P	P
ROSLIN DAYANA K	P	P	P	P	P	P	P	P	P
S FAMITHA	P	P	P	P	P	P	P	P	P
S.ATHILAKSHMI	P	P	P	P	P	P	P	P	P
Sanila S	P	P	P	P	P	P	P	P	P
SARAN KUMAR A				P	P	P	P	P	P
Saroj Acharya			P	P	P	P	P	P	
sasmita kumari pradhan	P	P	P	P	P	P	P	P	P
SATHISH M	P	P	P	P			P	P	P
SAURABH SHARMA	P				P	P	P	P	P
Savitha Raghavan	P	P	P			P	P	P	P
Senthilkumar J	P	P	P	P	P	P	P	P	P
Shabina Bhaskar	P	P	P	P	P	P	P	P	P
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Shashidhar R	P	P	P		P	P	P	P	P
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Sonia Panesar	P	P	P	P	P	P	P	P	P
SUDHA R	P	P	P	P	P	P	P	P	P
Suresh Vendoti	P	P		P	P	P	P	P	P
Sushma N Bhat	P	P	P	P	P	P	P	P	P
Swetha K B	P	P	P		P	P	P	P	P
T N Jafar Ali									
THILAGAVATHI K	P	P	P	P	P	P	P	P	P
Umamaheshwara Rao K	P	P	P	P	P	P	P	P	P
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VENUGOPAL R	P								
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REMYA JYOTHI KUMARI							P	P	P

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

Five days Faculty Development Program on Artificial Intelligence - Inaugural Invitation

1 message

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

Tue, Jun 2, 2020 at 7:33 PM

Bcc: registrar CUKerala <registrar@cukerala.ac.in>, radhakrishnan a <radhakrishnan@cukerala.ac.in>

Dear Sir,

As part of the **Five days Faculty Development Program on Artificial Intelligence** organized by the Department of Computer Science and supported by ATAL academy program, scheduled to held during **03 - 07 June 2020**, I am happily inviting your esteemed presence online to felicitate the inaugural session on **03 June 2020, 10.00 am** using the following Cisco Webex Training link.

To join the training session

1. Go to <https://education-india.webex.com/education-india/k2/j.php?MTID=t801611e31044e094cf24bf22889779ef>
 2. Enter your name and email address.
 3. Enter the session password: pMaDEdMm463
 4. Click "Join Now".
 5. Follow the instructions that appear on your screen.
- To view in other time zones or languages, please click the link

Brochure and Inaugural schedule have been attached herewith for your kind perusal.

Thanking you

Yours Sincerely

Thasleema
Organizing Secretary

Dr. Thasleema T M
Assistant Professor
Department of Computer Science
School of Physical Sciences
Central University of Kerala
Periya (P O) - 671320, Kasaragod
Mob : +91 9497295949
Email : thasleema@cukerala.ac.in

2 attachments

**INAUGURATION_02022020.pdf**

103K

**AI_FDP_02052020.pdf**

612K



REPORT

FIVE DAYS FACULTY DEVELOPMENT PROGRAM ON ARTIFICIAL INTELLIGENCE

03 - 07 June 2020, Central University of Kerala

AICTE TRAINING AND LEARNING ACADEMY, TRIVANDRUM

ARTIFICIAL INTELLIGENCE

AICTE Training and Learning (ATAL) academy sponsored Five Days Faculty Development Program on Artificial Intelligence Organized by Central University of Kerala dated from 03 - 07 June 2020 full day through ONLINE mode using Cisco Webex Training platform in which out of 641 registered participants and from 200 shortlisted, 195 registered and 113 successfully completed using the online platform.

The speakers for the 5-day Faculty Development Program on "ARTIFICIAL INTELLIGENCE" were :

Dr. Mahamad Suhil, Technical Manager (Artificial Intelligence), SCGBS Pvt. Ltd., Bangalore



Dr. Suhil is working as a Technical Manager at Standard Chartered Global Business Services Pvt Ltd, Bengaluru. He has obtained his Ph.D in Computer Science from University of Mysore. His research and development interests include Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision and Natural Language Processing. He has more than 20 research articles into his credit published by international journals and conferences of repute. His publications have obtained about 200 citations from contemporary researchers and an H-index of 5. He has been actively involved with academia due to his passion towards teaching and research. He enjoys delivering technical lectures and giving hands-on training on the applications of Artificial Intelligence. He has also served as Assistant Professor of Computer Science for Government First Grade College, Tumkur University.

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. Shashidhar G Koolagudi, Associate Professor, NITK Surathkal

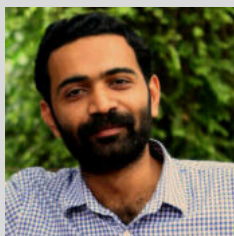
Dr. Shashidhar G Koolagudi is currently working as Associate Professor in Department of Computer Science and Engineering, NITK Surathkal, Karnataka. He has more than 100 national and international Publications. His specialization includes speech and image processing, machine learning, cloud computing etc. Currently he is guiding 4 PhD Scholars on the field of speech processing, pattern recognition etc.

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.

ATAL five day's Faculty Development Program on Artificial Intelligence

Dr. Manjunath S, Chief Engineer, Samsung Electro Mechanics Co. Ltd., Bangalore



Dr. Manjunath S, currently working as Chief Engineer at Samsung Electro Mechanics, Bengaluru. Prior to this he has worked as Assistant Professor at Central University of Kerala, Kasaragod and JSS College of Arts, Commerce and Science College, Mysore. He obtained his Ph.D from Department of Computer Science, University of Mysore. His area of research includes computer vision, Machine Learning and Deep Learning. He has published few research articles in International and national level journals and conferences.

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 more than 15 publications includes Journals / Conference papers and authored a Book

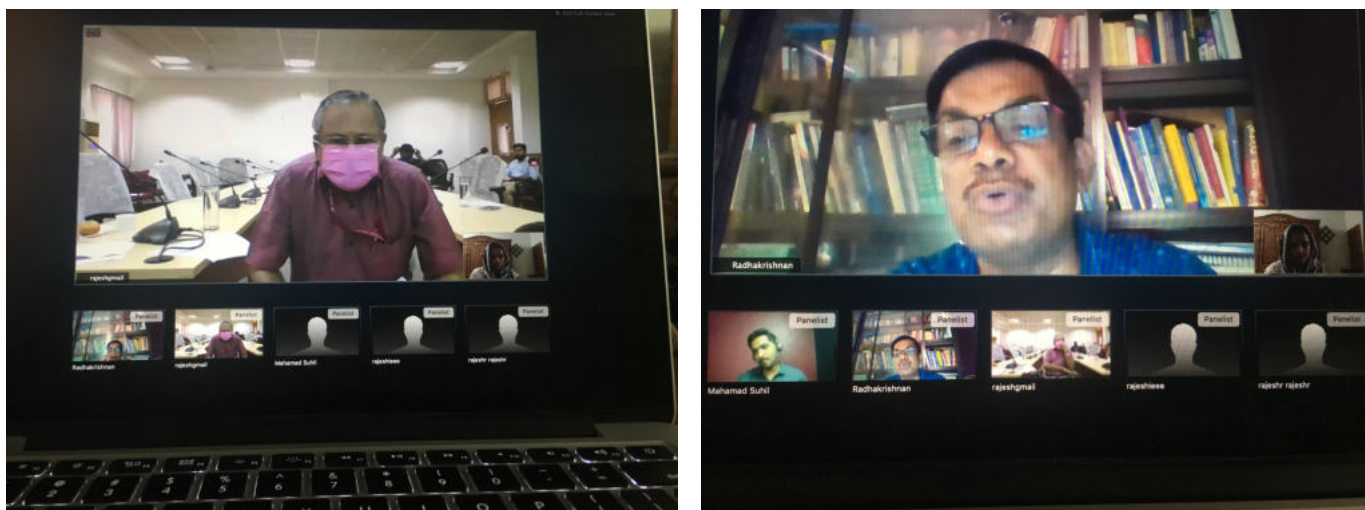
Mr. Vimal Krishnan V R, Founder & COO, ScrumField, Thiruvananthapuram



He is currently working as Founder & 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.

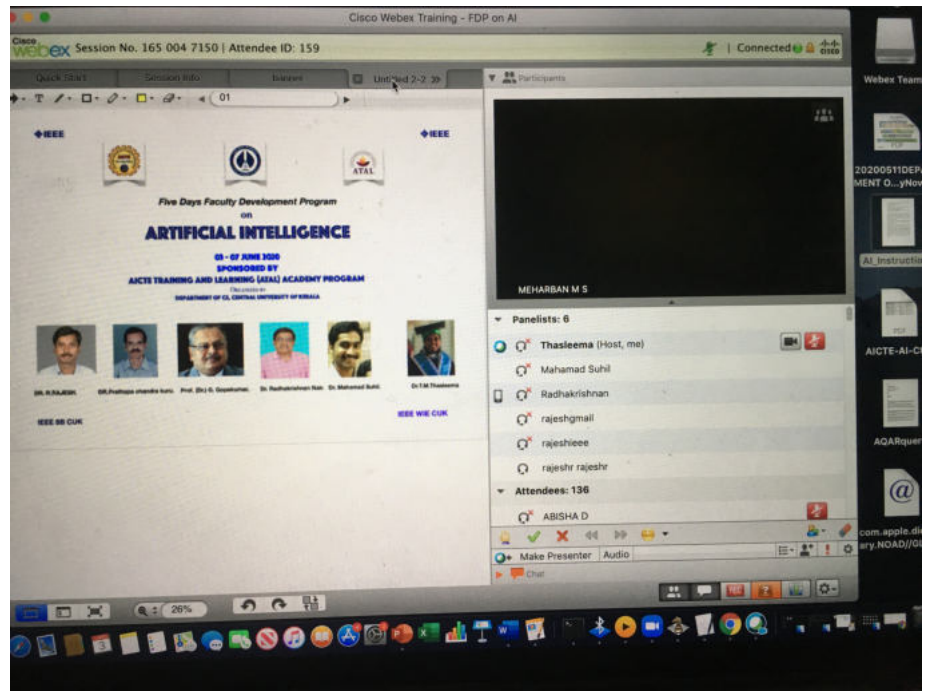
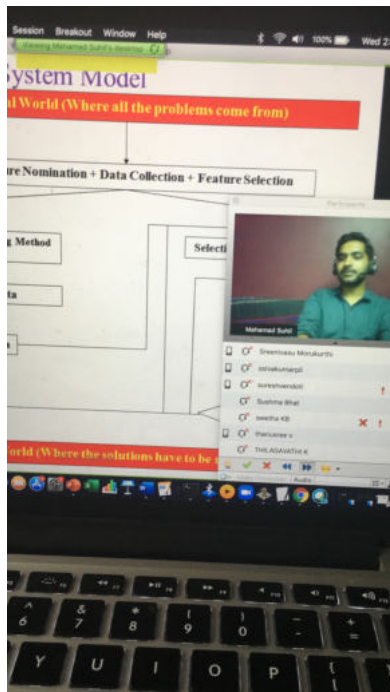
ATAL five day's Faculty Development Program on Artificial Intelligence

The Department of Computer Science, Central University of Kerala has organized 5 days Faculty Development Program on Artificial Intelligence through online using Cisco Webex Training platform sponsored by AICTE Training and Learning Academy (ATAL) at Central University of Kerala during 03 - 07 June 2020. The organizing secretary was Dr. Thasleema T M, Assistant Professor, Central University of Kerala. The purpose of this program was to make active and interactive participation using online platform in the current scenario of pandemic situation. It also intended 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 641 registered, 200 hundred shortlisted and 113 successfully completed across India. The Program was inaugurated by Prof. (Dr). G Gopakumar, Vice Chancellor, Central University of Kerala.

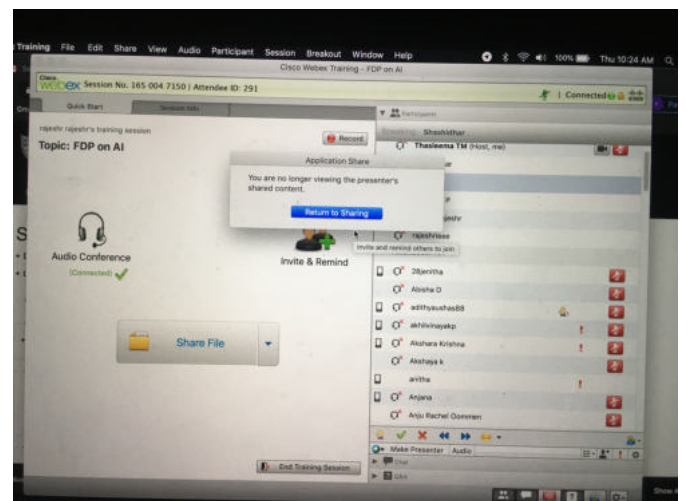
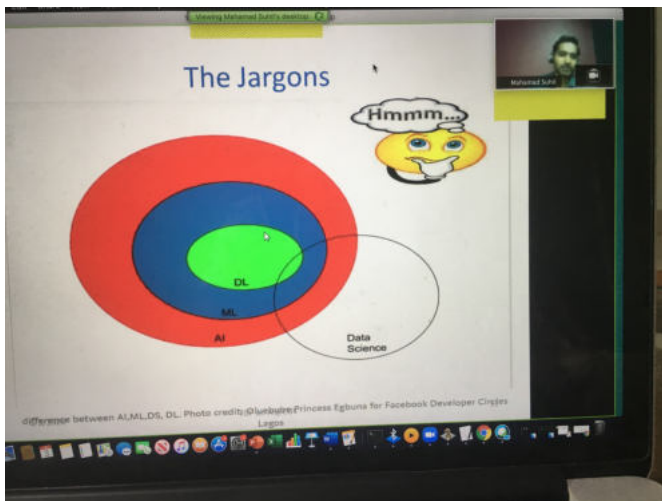


On the first day of workshop the keynote speech entitled “An insight into Artificial Intelligence” was delivered by Dr. Mahamad Suhil, Technical Manager(Artificial Intelligence), SCGBS Pvt. Ltd., Bangalore. He has covered the importance of the area. In his second session on “AI in real life” he discussed the theory using different real life applications. 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.

ATAL five day's Faculty Development Program on Artificial Intelligence

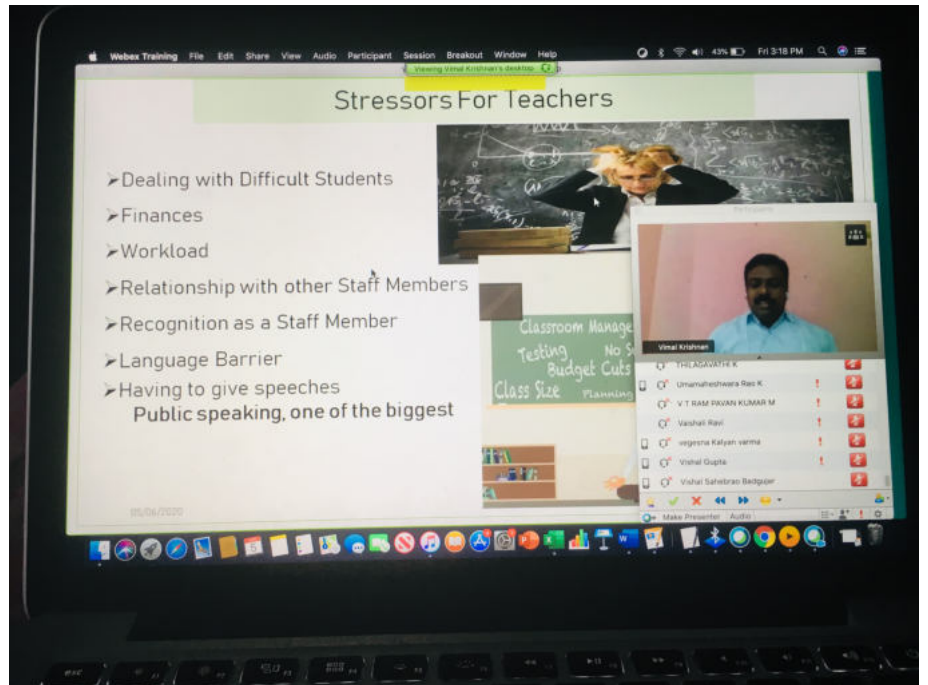
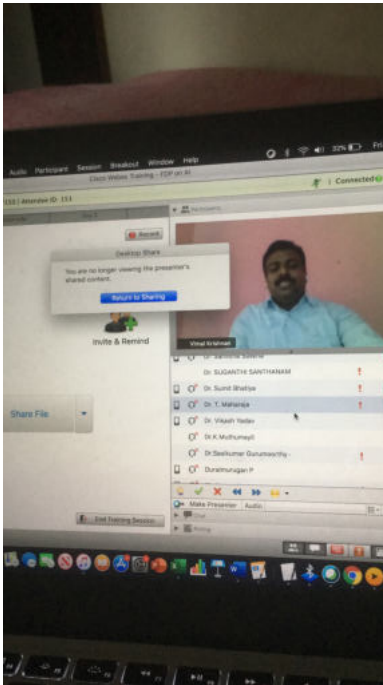


On 04 June 2020, the program started with a session handled by Dr. Shashidhar G Koolagudi on the topic of “fundamentals of speech recognition” to provide the participant an introduction into the area of one dimensional signal processing, speech processing. Followed this Dr. Vivek made some discussion on “speech analytics” in the second session by providing importance of the topic in the domain. In the third session Dr. N S srekanth explained “multimodal speech recognition system” with the help of some real life examples. There was a continuity from the session 3 to session 6 so that the participants can utilize the theory for the effective implementation.

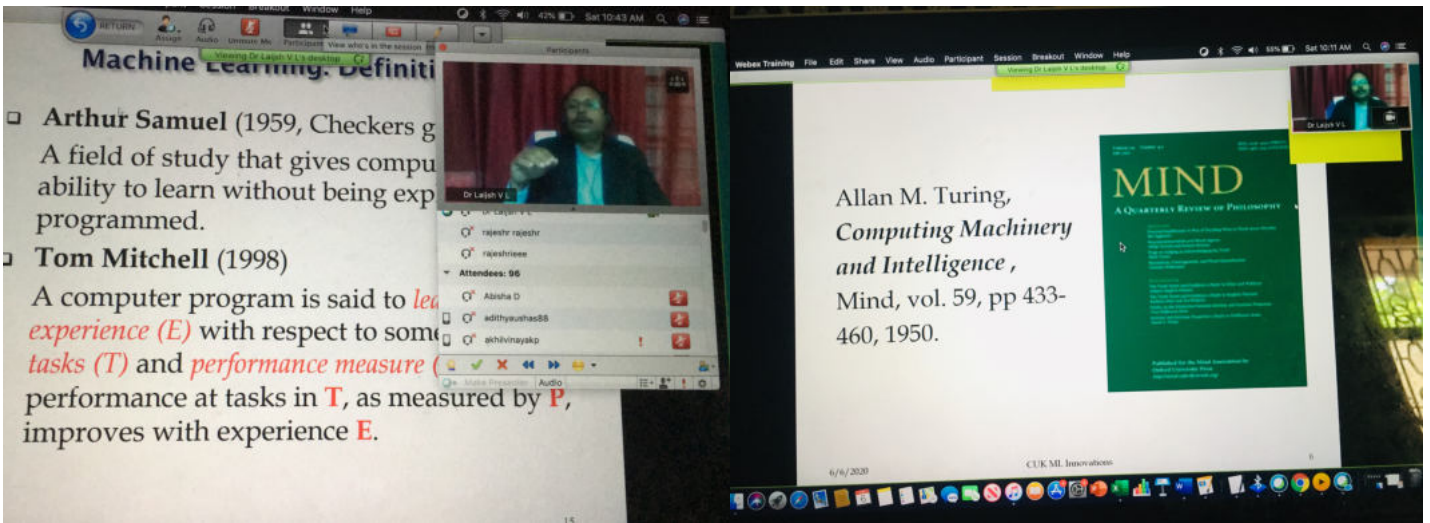


ATAL five day's Faculty Development Program on Artificial Intelligence

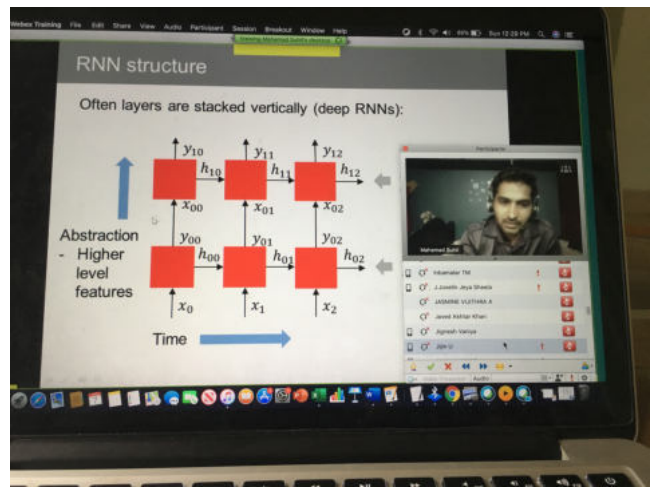
On the third day session 7 handled by Dr Sunil kumar R K on the topic “Introduction to digital signal processing” with the intention to provide the participants an insight into the topic of signal processing including its mathematical interpretation. He began with the theory behind the signal, system and moved into signal preprocessing techniques, feature extraction, Convolution, Fourier Transform, Wavelet Transform etc. In the 8th session Dr. Vivek provided demonstration using Kaldi software and allowed the participants follow the demonstration in parallel. After all these technical discussion in session 9 Vimal Krishnan V R took a tutorial on stress management in different real life situation. He also mentioned about how to control stress in verse situation.



In the fourth day a team from Calicut University under the guidance of Dr. Lajish V L, Head of Dept. Computer Science handled the sessions on Machine Learning. 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 Mr Anoop and Manjari P Gangan handled a session on “Convolutional Neural Network Theory(CNN) and its Experimental Experience”. In this they dealt with image classification problem using CNN and Python programming. Followed by Dr. Manjunath has delivered a talk on activation function. In his talk he clearly explained the importance of activation functions in the neural network theory.



In the last day on 07 June 2020, Dr. Manjunath started the session with structural understanding convolution network by clearing all the doubts of the participants making it an an active interactive session. In the 14 th session Dr. Mahamad Suhil invited for the session and he discussed on Recurrent Neural Network. The session arranged considering the feedback and request received from participants.

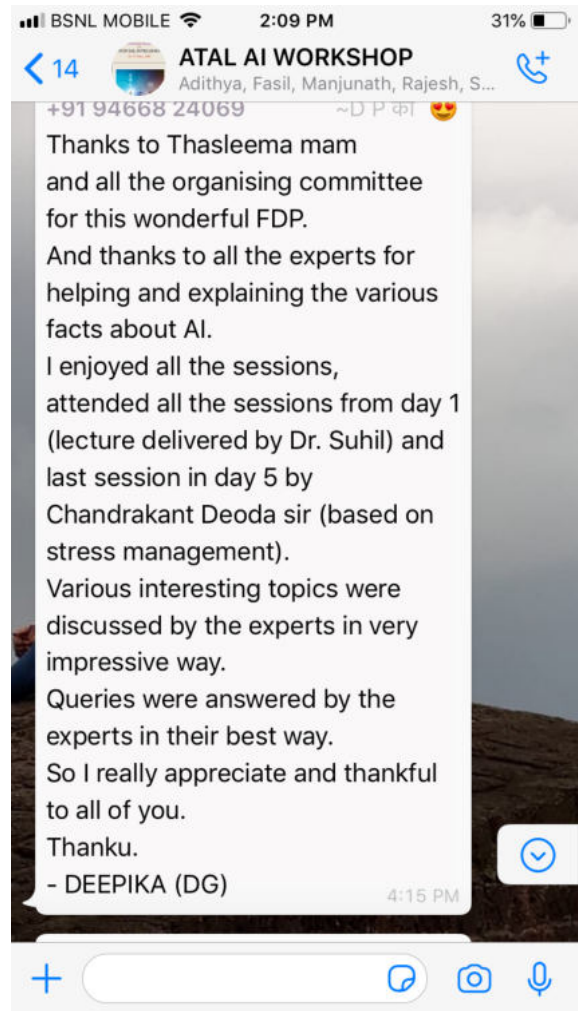
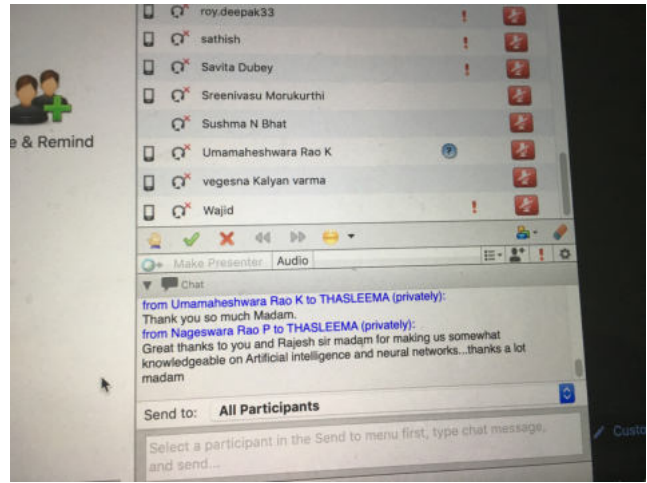
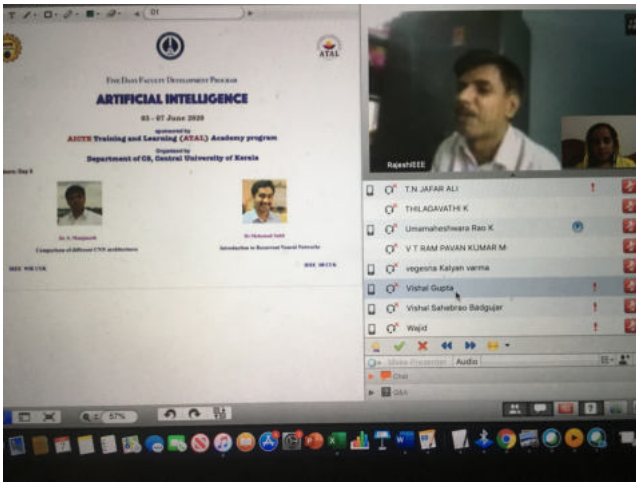


Valedictory Function

The valedictory function was chaired by Dr. Rajesh R, Head of the Department, Department of CS, Central University of Kerala. During the valedictory function a session was arranged on Stress Management through Sahaja Yoga Meditation and the session was well interacted by the participants. An examination with duration of 45 mints have been conducted.

In addition to collecting feedback for all the sessions separately using google form, oral 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.

ATAL five day's Faculty Development Program on Artificial Intelligence





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
CET Campus, Thiruvananthapuram-695016
Phone: 0471-2592323, 4343, 6363, 7099
email: ataltrv@aicte-india.org
Website: www.aicte-india.org/atal

F.No. 1-153/AICTE/KERALA/2020/01

02.06.2020

To

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

Sub: Release of a sum of Rs 93,000 /-for AICTE Training And Learning (ATAL) Academy programme– Reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 93,000 /-** (Rupees **Ninety Three Thousand Only**) for conduct of **AICTE Training And Learning (ATAL) Academy programme Artificial Intelligence to Central University of Kerala, Periye** Scheduled on **03-06-2020** 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

- 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.
- The cost for conducting per programme will be Rs. 93,000/- 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.	Provision for payment to Lab Attendant engaged during lab practices	Rs. 1000/-
5.	Institutional charges	Rs. 15,000/-
6.	Miscellaneous charges	Rs. 15,000/-
	TOTAL =	Rs. 93,000/-

- 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. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.
- The head of account mentioned above may be interchanged with over all sealing to Rs 93000:-

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 with minimum **80% of attendance** and scored **minimum 60% marks** in the test.

IV. Submission of documents by university/institution



सूचना का
अधिकार

- a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program: -
- List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.
 - 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 to adjust.

V. General Instructions

- a. **Maximum 200 participants** may be allowed to attend online FDP on a first come first serve basis however AICTE officials may be allowed to attend over and above 200 number. Coordinators are free to admit less no depending on the feasibility.
- b. **You are requested to allow new participants and discourage participants who have already done one online ATAL FDP earlier. In this regard you may contact coordinators for sharing participants list. You may also ask a question to participants during registration that whether they have done any online ATAL FDP earlier. You may visit ATAL webpage for list of participants already completed the online ATAL FDP.**
- c. A test has to be conducted (may be online) on the last day and those who score more than 60% will be termed as successful candidates. Those who have **attendance 80% or more** and also **score more than 60% in the test** will be issued a **digital certificate**.
- d. These **online sessions are to be recorded** as the facility is available on the software which is being used for online delivery of FDP. You are also requested to share recording of sessions with AICTE.
- e. **Eligibility for Participants:**
- The faculty members of the AICTE approved institutions, research scholars, PG, Scholars, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.) and staff of host institutions.
 - Not more than 30% from Host Institution
- f. If programme is not conducted in the year 2020 only, the released amount, along with interest accrued thereon, has to be returned back to AICTE.
- g. 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.
- h. Any unavoidable circumstantial change in the Program with respect to name of Project Coordinator, and date for organizing online 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.

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: -

- Dr. T. M. Thasleema, Central University of Kerala ,Periyar
- ATAL Academy Cell AICTE HQ
- Guard File



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अधिकार