



## FIVE DAYS FDP ON DATA SCIENCES

09-13 JUNE 2020



Data science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from many structural and unstructured data. Data science is related to data mining, deep learning and big data. Data science is a "concept to unify statistics, data analysis, machine learning, domain knowledge and their related methods" in order to "understand and analyze actual phenomena" with data. It uses techniques and theories drawn from many fields within the context of mathematics, statistics, computer science, domain knowledge and information science.

The Department of Computer Science, Central University of Kerala in association with AICTE Training and Learning (ATAL) Academy is organizing this workshop to train the faculty, research scholars and postgraduate students to get knowledge in Data Science.

### Chief Patron

**Prof. (Dr.) G. Gopa kumar**, Vice Chancellor, Central University of Kerala.

### Patron

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

### Chair and Organizing Secretary

**Dr. R Rajesh**, Head, Department of CS, CUK.

### Organizing Committee

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

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

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

### Research Support

**Mr. Fasil O K, Ms. Shabina Bhaskar, Ms. Adithya, Mr. Ishfaq, Ms. Hashida Hydros**

### Technical Support

**IEEE Student Branch and IEEE WIE Affinity Group**

### Resource Persons

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

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

**Prof. (Dr.) Arunkumar Thangavelu**, VIT

**Dr. Sabu M.K.**, Cochin University of Science and Technology

**Ms. Urvasi Nag**, CSIR-CSIO Chandigarh

**Dr. V L Lajish**, University of Calicut

**Dr. Joby K. Jose**, Kannur University

**Dr. R. K. Sunilkumar**, Kannur University

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

**Advocate Aditi K.**, Sahaja Online

**Organised by**

**Dept. of Computer Science, Central University of Kerala**

**Sponsored by**

**AICTE Training and Learning (ATAL) Academy**



**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/2020/02

08.06.2020

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 Data Sciences** to **Central University of Kerala, Periye** Scheduled on **09-06-2020** 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/-
	<b>TOTAL =</b>	<b>Rs. 93,000/-</b>

- 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: -

1. **Dr. Rajesh R, Central University of Kerala ,Periy**
2. **ATAL Academy Cell AICTE HQ**
3. **Guard File**



सूचना का  
अधिकार



# FIVE DAYS FDP ON DATA SCIENCES

09-13 JUNE 2020

Organised by  
Dept. of Computer Science, Central University of Kerala

Sponsored by  
AICTE Training and Learning (ATAL) Academy

## Schedule

Time → Date ↓	Session 1	Session 2	Session 3
08/06/2020			4.00 PM to 5.00 PM <b>Inauguration by</b> <b>Prof. Dr. G. Gopa kumar</b> Vice Chancellor, Central University of Kerala
09/06/2020	9.30 AM to 11 AM <b>Introduction to Data Science</b> <b>Dr. N.S. Sreekanth</b> Joint Director, CDAC	2.00 PM to 3.30 PM <b>Tools for Data Science – I</b> <b>Mr. Vimal Krishnan V.R.</b> COO, Scrum Field	3.45 PM 5.15 PM <b>Tools for Data Science – II</b> <b>Mr. Vimal Krishnan V.R.</b> COO, Scrum Field
10/06/2020	10.00 AM to 11.30 AM <b>Introduction to Data Analytics and MongoDB - I</b> <b>Prof. (Dr.) Arunkumar Thangavelu</b> VIT University	11.45 AM to 01.15 PM <b>Introduction to Data Analytics and MongoDB - II</b> <b>Prof. (Dr.) Arunkumar Thangavelu</b> VIT	2.00 PM to 4.00 PM <b>Data Analytics using Gradient Boosting</b> <b>Dr. Sabu M.K.</b> Cochin University of Science and Technology
11/06/2020	10.00 AM to 11.30 AM <b>Geographical dataset classification using ENVI - I</b> <b>Ms. Urvasi Nag</b> CSIR-CSIO, Chandigarh	11.45 AM to 01.15 PM <b>Geographical dataset classification using ENVI - II</b> <b>Ms. Urvasi Nag</b> CSIR-CSIO, Chandigarh	2.00 PM to 3.30 PM <b>Data Science vs Fake news</b> <b>Dr. Lajish V.L.</b> Calicut University
12/06/2020	10.00 AM to 11.30 AM <b>Statistical methods of Data Science - I</b> <b>Dr. Joby K. Jose</b> Kannur University	11.45 AM to 01.15 PM <b>Statistical methods of Data Science - II</b> <b>Dr. SunilKumar R.K.</b> Kannur University	2.00 PM to 3.30 PM <b>Data Analytics and Machine Learning algorithms</b> <b>Prof. (Dr.) Arunkumar Thangavelu</b> VIT University
13/06/2020	9.30 AM to 11.30 AM <b>Introduction to convolutional neural networks</b> <b>Dr. Manjunath S.,</b> Chief Engineer, Samsung Electro Mechanics Co. Ltd., Bangalore	11.45 AM to 01.15 PM <b>Implementation of CNN using Tensorflow 2.0</b> <b>Dr. Manjunath S.,</b> Chief Engineer, Samsung Electro Mechanics Co. Ltd., Bangalore	2.00 PM to 3.30 PM <b>Stress Management session through Sahaja</b> <b>Yoga Meditation and Valedictory Function</b> <b>Advocate Aditi K</b>



**REPORT**

**FIVE DAYS ONLINE WORKSHOP  
ON  
DATA SCIENCES**

**09<sup>th</sup> - 13<sup>th</sup> June 2020 at Central University of Kerala**

**AICTE TRAINING AND LEARNING ACADEMY, TRIVANDRUM**



**ATAL five day's online workshop on Data Sciences**  
**DATA SCIENCES**

AICTE Training and Learning (ATAL) academy sponsored Five Days Online Workshop on Data Sciences has been organized by Central University of Kerala dated from 09<sup>th</sup> – 13<sup>th</sup> June 2020. Around 720 participants applied for the course. Based on the first come first served selection criteria, we have communicated to 303 participants in which 192 showed their interest in participating. But out of 192 registered participants, 120 participated in the workshop.

The speakers for the 5-day online workshop on “Data Sciences” were:

**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 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. 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

**Prof. Dr. Arunkumar Thangavelu, Vellore Institute of Technology**



Prof. Dr. Arunkumar Thangavelu is currently working as a Professor in Vellore Institute of Technology. He has over 15 years of academic and 8 years of R&D experience in industries and research institutes. He has managed and initiated multiple national level projects including QoS for WiFiforum, project funded by DRDO. He has more than 100 publications. His area of research interest focuses on mobile computing, high performance computing, ubiquitous computing, Image processing, Aspect based network management which includes mobile 3G networks, ambient technologies and vehicular based applications.

## ATAL five day's online workshop on Data Sciences

Dr. Sabu M.K., Associate Professor, Cochin University of Science and Technology



Dr. Sabu M.K. is currently working as an associate professor in the Department of Computer Science, Cochin University of Science and Technology. He has more than 20 publications in international journals. His areas of interest include Rough sets, Data mining, Fuzzy sets, Swarm Intelligence, Soft Computing, Artificial Intelligence and Machine learning.

Ms. Urvashi Nag, Senior Researcher, CSIR-CSIO, Chandigarh



Ms. Urvashi Nag is currently a researcher at CSIR-CSIO, Chandigarh. He has more than 7 years research experience. She has work experience at EME Technology. Her expertise includes Python programming, Data Science, Cloud computing, Cyber security and java application development.

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.

## ATAL five day's online workshop on Data Sciences

**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. Joby K Jose, Associate Professor of Statistics , Kannur University**



Dr. Joby K. Jose is currently working as an Associate Professor in the Department of Statistics, Kannur University. He has 20 years of teaching and research experience. He had published more than 17 papers in international journals. His area of research includes data analysis and statistical modeling.

**Dr. Rajesh R., Associate Professor and Head, Central University of Kerala**



Dr. R. Rajesh has completed M.Sc. and Ph.D in Computer Science from University of Kerala in the years 1998 and 2005 respectively. He has five years fulltime research experience including four years of experience in RESPOND project, funded by Indian Space Research Organisation (ISRO), titled “Development of Methodologies based on Neuro Fuzzy and Genetic Algorithms for Modeling and Control of Systems”. He has one-year industrial postdoctoral training as a Senior Research Associate/Research Consultant in Network Systems Technologies (NeST) Pvt. Ltd., Thiruvananthapuram. He has also done his Post-Doctoral training in Medical Imaging on the topic titled “Influence of noise in Human Brain” under the guidance of Dr. C. Kesavadas, Department of Radiology and Interventional, Sree Chitra Tirunal Institute of Medical Science and Technology in June 2007. He has worked as an Associate Professor in the Department of Computer Science, Central University of Bihar (6th May 2013 – 7th Feb. 2016) and as an Assistant Professor in the Department of Computer Applications, Bharathiar University (20th Apr. 2005 – 3rd May 2013). He has also work experience at Indian Institute of Information Technology and Management – Kerala (IIITM-K), University of Kerala, and Hindustan Latex Ltd. He is recipient of IEEE Award for outstanding leadership & service and IEEE Award for the outstanding design project at University of Kerala – Kariavattom student branch in 2004. He is also the recipient of UGC-NET & JRF (1998), ISRO RESPOND Junior Research Fellowship (1999) and ISRO RESPOND Senior Research Fellowship (2001). His areas of interest include computational intelligence (fuzzy systems, genetic algorithms) and image processing. He is a member of IEEE, IEEE Computational Intelligence Society and Computer Society of India.



## ATAL five day's online workshop on Data Sciences

The Department of Computer Science, Central University of Kerala has organized 5 days' workshop on Data Science sponsored by AICTE Training and Learning Academy (ATAL) at Central University of Kerala during 09-06-2020 to 13-06-2020. The organizing secretary was Dr. Rajesh R., Associate Professor and Head, Department of Computer Science, Central University of Kerala. The purpose of this workshop was to motivate the stakeholders with basic concepts in Data Science along with some hands-on experience.

The inauguration of the event held on 8<sup>th</sup> June 2020 at 5PM. The programme coordinator Dr. Rajesh R. welcomed the gathering. Prof. Dr. Prathapachandra Kurup, Dean of School of Physical Science delivered the presidential address. Prof. Dr. G. Gopa kumar, Vice Chancellor of Central University of Kerala inaugurated the workshop and delivered the inaugural address. Dr. N.S. Sreekanth, Joint Director of CDAC, Bangalore delivered the keynote address. Dr. Manickavelu A, Head of Department of Genomic Science and Dean Students Welfare delivered the felicitation speech. Dr. Thasleema T.M. delivered the vote of thanks.



## ATAL five day's online workshop on Data Sciences



The first session on the first day of workshop (09<sup>th</sup> June 2020) the speech entitled “Introduction to Data Science” was delivered by Dr. N.S. Sreekanth, Joint Director of CDAC, Bangalore. He started with a brief history of data science and provided details of various applications of Data Science.

The second session on “Introduction to Python for Data Science” was 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.

The third and fourth session of the FDP (on the second day, ie. 10<sup>th</sup> June 2020) was handled by Prof. Dr. Arunkumar Thangavelu from Vellore Institute of Technology. He delivered talks related to the issues in Data Science in the third session and provided a hands on using MongoDB in the fourth session.

### ATAL five day's online workshop on Data Sciences

The fifth session of the FDP (on the second day, ie. 10<sup>th</sup> June 2020), Dr. Sabu M.K., Head of Department of Computer Applications delivered a talk on Data Analytics using Gradient Boosting.

The sixth and seventh sessions of the FDP (on the third day, ie. 11<sup>th</sup> June 2020) was handled by Ms. Urvasi Nag, Researcher from CSIR-CSIO, Chandigarh on the topic of Geographical dataset classification using ENVI. She provided a hands on session on ENVI.

The eighth session of the FDP (on the third day, ie. 11<sup>th</sup> June 2020) was handled by Dr. Lajish V L, Head of Dept. Computer Science, Calicut University. He provided insights and research aspects on the topic of Data Science vs Fake news.

**Data Science vs. Fake News**

**Dr. Lajish V.L.**  
Head, Department of Computer Science &  
Director, Calicut University Computer Centre  
University of Calicut, Kerala-673635  
lajish@uoc.ac.in

6/11/2020  
The Discipline of Computing - Dr Lajish VL

The ninth and tenth session of the FDP (on the fourth day, ie. 12<sup>th</sup> June 2020) was handled by Dr. Sunilkumar R.K. and Dr. Joby K. Jose from Kannur University. The topic of discussion was on Statistical methods of Data Science

The eleventh session of the FDP (on the fourth day, ie. 12<sup>th</sup> June 2020) was handled by Prof. Dr. Arunkumar Thangavelu from Vellore Institute of Technology. He delivered talks the talk on Machine learning for Data Science.

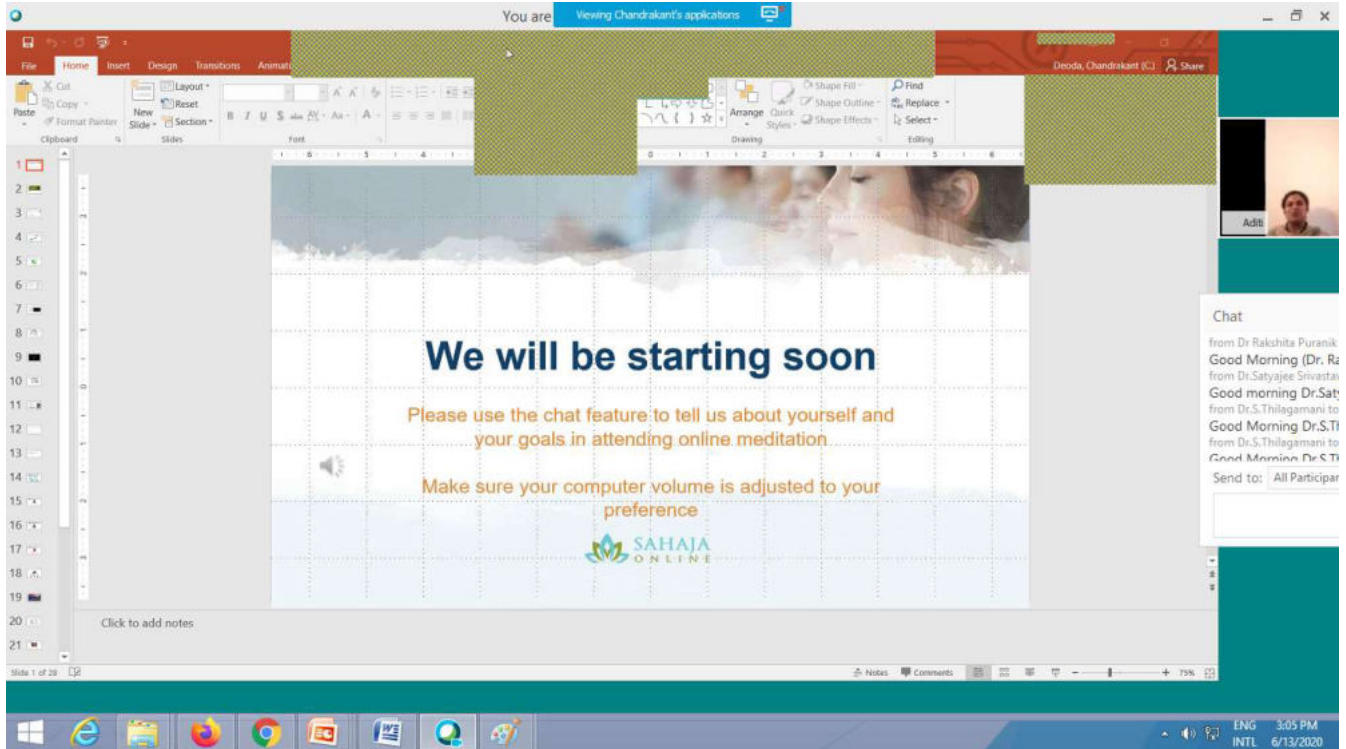
The 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> Session of the workshop (on the fifth day, ie. 13<sup>th</sup> June 2020) was handled by Dr. Rajesh R., Associate Professor and Head Department of Computer Science, Central University of Kerala. He handled the topics namely Computational Intelligence, fuzzy logic, genetic algorithm and neural



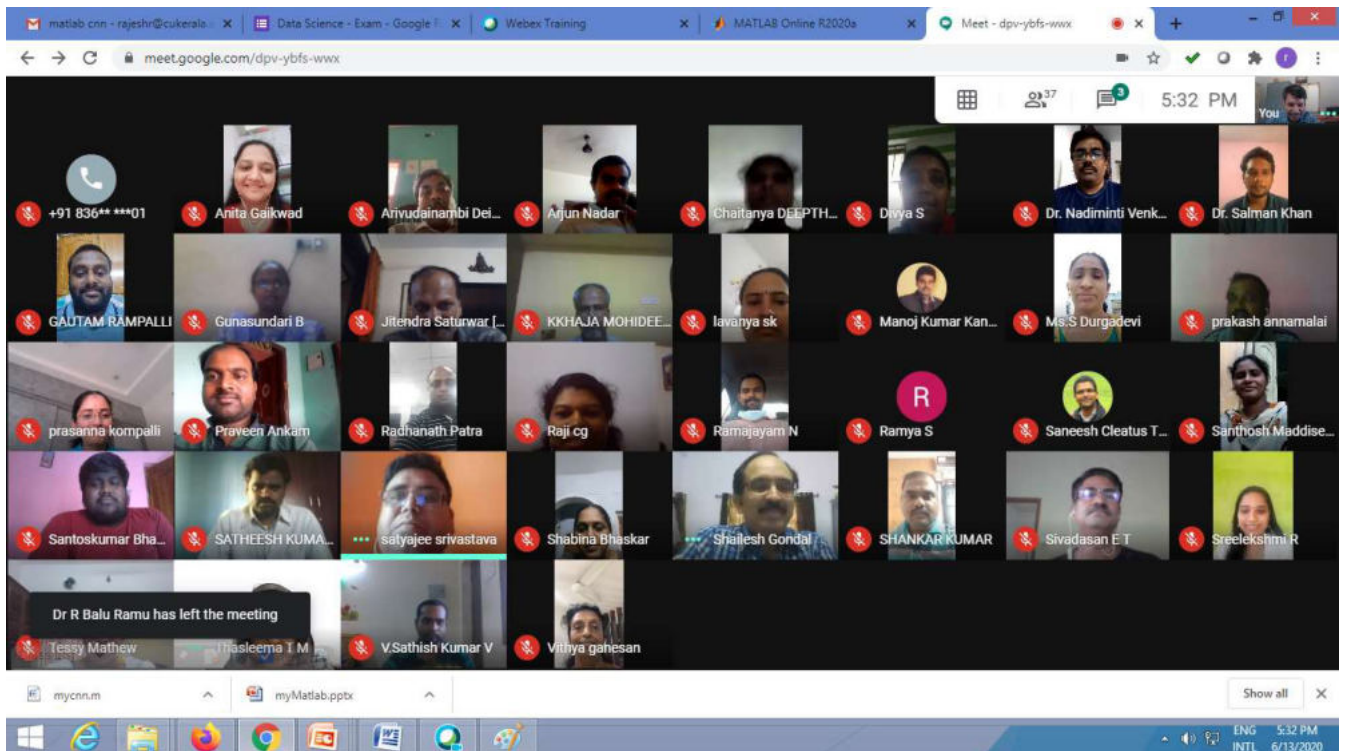
## ATAL five day's online workshop on Data Sciences

networks with demos using MATLAB. He also provided an insight into deep learning using a demo in MATLAB.

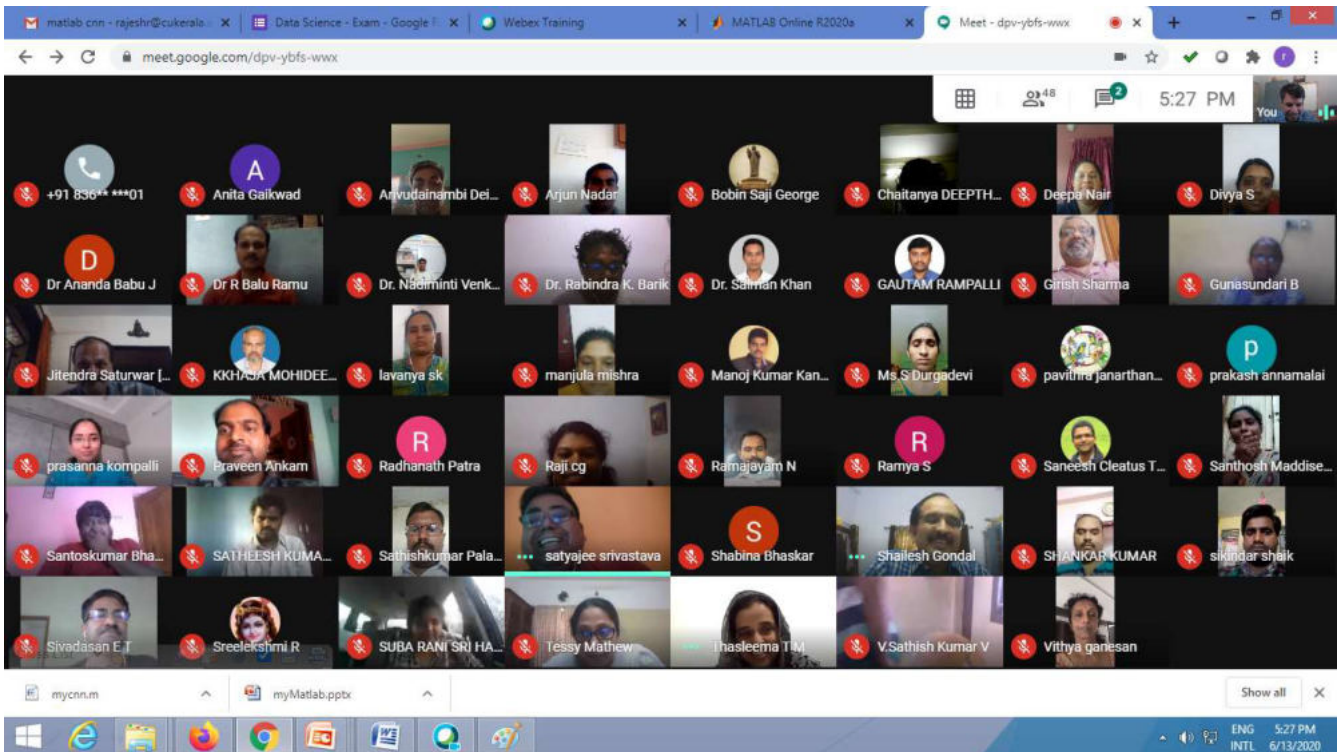
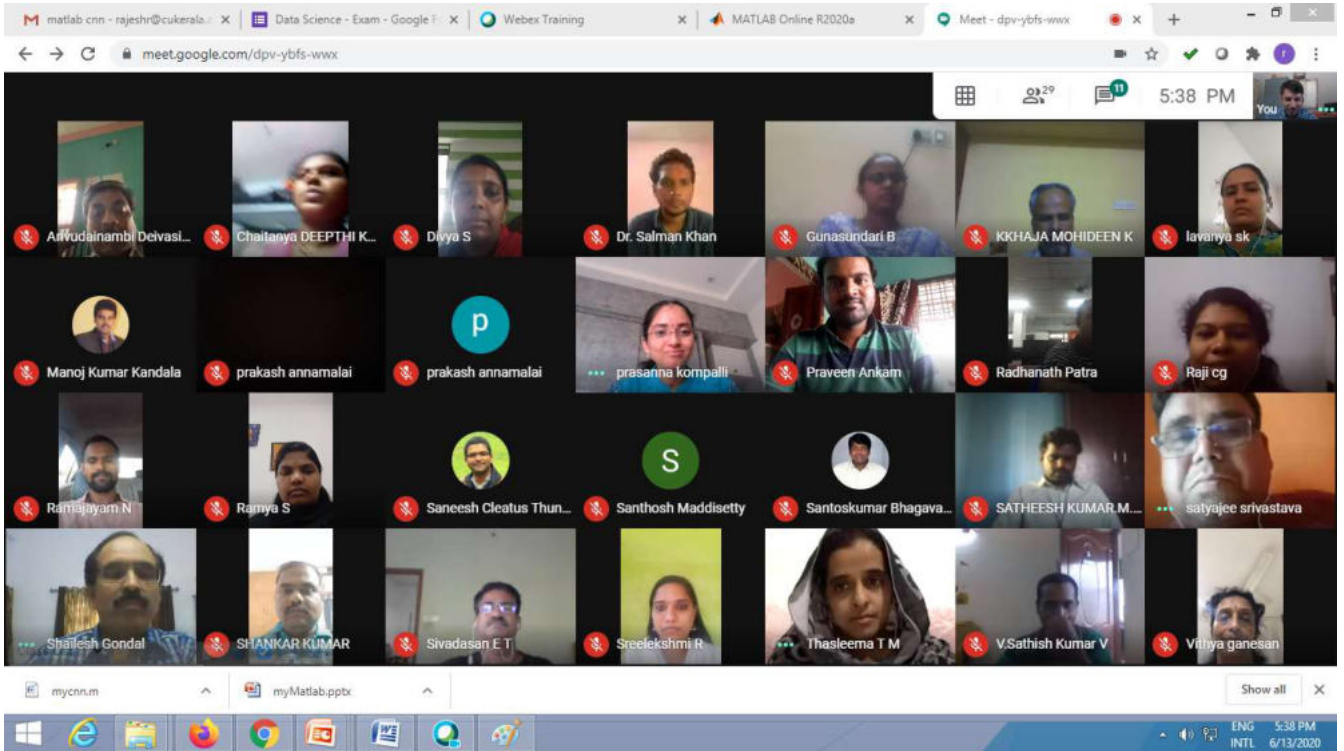
The 15<sup>th</sup> session was a stress management session from Sahaja Yoga handled by Advocate Aditi.



## Stress Management through Sahaja Yoga



## ATAL five day's online workshop on Data Sciences



### Valedictory Function

The valedictory session and panel discussions were held (on the fifth day, ie. 13th June 2020) with members in the panel, namely, Dr. Pradeesh P. (Department of Geology), Dr. Rajesh R. (Department of Computer



**ATAL five day's online workshop on Data Sciences**

Science), Dr. Thasleema (Department of Computer Science), Mr. Kumar V. (Department of Computer Science), and Advocate Aditi. Feedback was collected for all the sessions. Formally the function was concluded by rendering vote of thanks by Dr. Rajesh R., the coordinator of the program.

പ്രാദേശികം

സാധാരണ ഇൻവെർട്ടറിനെ സോളാർ ഇൻവെർട്ടർ ആക്കാം!! വൈദ്യുതി ബില്ലിന് ലാഭിക്കാം

ഏങ്ങന്നൂർ എസ് പി.കോൺ

വെബിനാർ ജൂൺ 13 10.30 AM

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**കേന്ദ്ര സർവകലാശാലയിൽ അധ്യാപക വികസന പരിപാടി**

പെരിയ • കേരള കേന്ദ്ര സർവകലാശാല കമ്പ്യൂട്ടർ സയൻസ് വിഭാഗത്തിന്റെ നേതൃത്വത്തിൽ ഡാറ്റാസയൻസ് വിഷയത്തിൽ ഓൺലൈൻ അധ്യാപക വികസന പരിപാടി തുടങ്ങി.

സർവകലാശാല വൈസ് ചാൻസലർ ഡോ. ജി. ഗോപകുമാർ ഉദ്ഘാടനം ചെയ്തു.

ഫിസിക്കൽ സയൻസ് വിഭാഗം ഡീൻ ഡോ.പ്രതാപചന്ദ്രകുറുപ്പ് അധ്യക്ഷത വഹിച്ചു. ബെംഗളൂരു സിഡാക് ജോയിന്റ് ഡയറക്ടർ ഡോ.എൻ.എസ്. ശ്രീകാന്ത് മുഖ്യപ്രഭാഷണം നടത്തി.

സ്റ്റുഡന്റ്സ് വെൽഫെയർ ഡീൻ ഡോ.എ.മാണിക്യവേലു, ഡോ.ആർ.രാജേഷ്, ഡോ.ടി.എം.തസ്ലീമ, ഡോ.മനോഹർ, വി.കുമാർ എന്നിവർ പ്രസംഗിച്ചു.

എന്റൈസിസിലു പഠനവിഭാഗത്തിന്റെ സഹകരണത്തോടെയാണു പരിശീലന പരിപാടി.



## AICTE - ATAL PROGRAM : ATTENDANCE SHEET

Institute Name-		Central University of Kerala	Coordinator's Name - Dr. Rajesh R.			Thrust Area- Data Sciences
Institute Address-		Periya - 671320, Kasaragod, Kerala	Date of Program- (09/06/2020 to 13/06/2020)			Course code- AOTVR024
S.No.	Name of Participant (In CAPITAL LETTER)	Participant Successfully passed the examination(Yes/No)	Category(Faculty/ Research Scholar / PG Student)	Participant's Institute	Mobile No.	Email address
1	A.CHRISTY	Yes	Faculty	Sathyabama Institute of	9381157310	ac.christy@gmail.com
2	ADITHYA V.	Yes	Research Scholar	Central University of Kera	8129897716	adithyaushas88@gmail.com
3	ANITA MAHESH GAIKWAD	Yes	Faculty	R Jhunjhunwala College N	9769899957	anita.a.pawar@gmail.com
4	ANITHA PONRAJ	Yes	Faculty	Sathyabama Institute of	8973122347	anisainosoft@gmail.com
5	ANJU GEORGE	Yes	Faculty	Adi Shankara Institute of	9400639801	anjugeorge222@gmail.com
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