

ONE WEEK FACULTY
DEVELOPMENT PROGRAMME ON
**'DATA SCIENCE & ARTIFICIAL
INTELLIGENCE'**
(ONLINE)

8th - 12th, FEBRUARY 2021



Sponsored by
APJ Abdul Kalam Technological University

Jointly Organized by
Department of Information Technology
and Department of Computer Science &
Engineering

About the Institution:

Rajagiri School of Engineering & Technology (RSET) (Autonomous), established in 2001, is a private self-financing college, which had been affiliated to the Mahatma Gandhi University, Kottayam, Kerala from the 2001 to the 2014 admissions, and is affiliated to the A.P.J. Abdul Kalam Technological University, Trivandrum, Kerala from the 2015 admissions onwards. The college is approved by the All India Council for Technical Education, New Delhi. Six UG programmes, i.e. B.Tech. Applied Electronics & Instrumentation Engineering, B.Tech. Computer Science & Engineering, B.Tech. Electrical & Electronics Engineering, B.Tech. Electronics & Communication Engineering, B.Tech. Information Technology and B.Tech Mechanical Engineering, have been granted provisional accreditation by NBA. The institute is accredited by NAAC with "A" grade in the second cycle and it is the first and only private engineering colleges in the state to be ranked by National Institute of Ranking Framework (NIRF).

For more details: <https://www.rajagiritech.ac.in/>

**RAJAGIRI SCHOOL OF
ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

Rajagiri Valley, Kochi- 682039, Kerala
Tel: 0484-2660999

<https://www.rajagiritech.ac.in>

Organizing Committee

Chief Patron: Rev. Fr. (Dr.) Jose Kuriedath CMI, Director

Patron: Dr.Sreejith P S, Principal

Advisors:

Dr. Neeba. E. A, HOD, DIT

Dr. Dhanya P.M, HOD, DCS

Coordinators:

Dr. Varghese Paul, DCS

Dr. Sherly K.K, DIT

Mr. Mathews Abraham, DIT

Ms. Jomina John, DCS

Registration Link:

<https://forms.gle/SFmrbCRGAU2qVk2d9>

Online session details will be communicated to the registered participants through email.

Registration is free.

E-Certificate will be issued to those participants who attend all the sessions.

Contact Details

Mr. Mathews Abraham,

Department of Information Technology

Mrs. Jomina John,

Department of Computer Science & Engineering

Rajagiri School of Engineering & Technology

Kochi - 682039

Email :dsaifdp@rajagiritech.edu.in

Mobile Number: 9495600124

9946088123

9746860620



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About the Programme

Artificial Intelligence is so pervasive today and it is the best way to make progress towards human-level AI. This FDP will provide theoretical and practical aspects of Data Science principles, AI concepts and skills required to develop and use deep neural network models using Keras and TensorFlow platforms. This programme will also equip the participants with practical training on popular data analytic tools and visualization techniques using python and R. The ultimate goal of this programme is to improve the quality of Technical Education and reduce the gap between academics and industry via expert lectures and practical sessions, led by academicians and practitioners from premier institutions and organizations. After successful completion of this course participants will be equipped with better understanding of building deep learning models using suitable frameworks.

This FDP is jointly organized by Department of Information Technology and Department of Computer Science & Engineering, RSET and financially sponsored by APJ Abdul Kalam Technological University, Thiruvananthapuram.

The topics to be covered are:

1. Statistical computing and Topological Data Analysis
2. Role of AI in gaming
3. Deep learning Techniques
4. Applying Machine Learning to Business
5. Data Analytics using R
6. Data Visualisation using Python.
7. Time Series Analytics in R
8. Implement Deep Learning using Keras and Tensorflow.
9. Markov Decision Processes and Reinforcement learning

Eligibility for Admission

The programme is intended for all Faculties & Research Scholars from Engineering colleges affiliated to APJ Abdul Kalam Technological University, Kerala.

Resource Persons:

- Mr. Sudheer Mohan, Practice Head, Mobility Quality Engineering, Wipro Kochi
- Mr. Jeethu Joseph, Enterprise Architect, Robotics & Cognitive Solutions Group, TCS Kochi
- Dr. Bindu Krishnan, Jain University, Kochi
- Dr. Pranesh Das, NIT Calicut
- Dr. Lijia A, NIT Calicut
- Dr. Sreeraj M, SreeAyyappa College, Eramallikkara
- Dr. Vinod Kumar P.B , RSET Kochi
- Dr. Abraham Thomas, RSET Kochi
- Mr. Sreejith R, RCSB Kochi
- Prof. Dominic Mathew, RSET Kochi