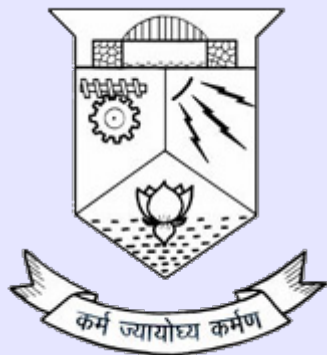


Faculty Development Programme  
on  
**Machine Learning with  
Python**

(15<sup>th</sup> to 20<sup>th</sup> March 2021)

Sponsored by  
**Director of Technical Education  
Govt. of Kerala**

Organised by  
**Dept. of Electronics and  
Communication Engineering  
College of Engineering Trivandrum  
Thiruvananthapuram  
Kerala - 695 016  
www.cet.ac.in**



Co-ordinators  
**Prof. Jeena R. S.  
Dr. Sreeni K. G.,  
Dr. Joseph Zacharias**

**Registration Form**

Name :

Designation :

Official Address :

Mobile No. :

e-mail :

Qualifications :

Experience :

**Declaration**

I hereby declare that the information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the co-ordinators sufficiently in advance, in case I am unable to attend the course.

Place:

Date:

Signature of the applicant

**Sponsorship Certificate**

Certified that Mr./Ms./Dr.

is an employee of this institution and is hereby sponsored for the FDP on *Machine learning with Python* at *College of Engineering Trivandrum* during 15<sup>th</sup> to 20<sup>th</sup> March 2021. If selected, he/she will be permitted to attend the course.

Place:

Date:

Name & Signature of  
the Sponsoring Authority

(Seal of the Institution)

**Address for Correspondence**

**Prof. Jeena R. S.,**  
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College of Engineering Trivandrum,  
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Mob: 9495978846

**Dr. Joseph Zacharias,**  
Professor, Dept. of ECE,  
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Mob: 9447462607

- **College of Engineering Trivandrum** College of Engineering Trivandrum was established in 1939 as the first engineering college in the then Travancore state. Over the past 77 years it has grown to the most sought-after institute of engineering studies in the state of Kerala. The College has eight full-fledged engineering departments offering undergraduate, post-graduate and Ph.D programmes under APJ Abdul Kalam Technological University. The College has more than 3500 students, 285 teaching staff and 290 non-teaching staff. Ever since the inception, the college has maintained its commitment to high quality education. It has a vast and strong alumni base, spread across the globe.
- **About the Department** Department of Electronics and Communication Engineering, College of Engineering Trivandrum began its operations in 1965. The department offers UG courses in Electronics & Communication Engineering, Applied Electronics & Instrumentation Engineering and PG courses in Microwave and TV Engineering, Applied Electronics & Instrumentation Engineering, Signal Processing and Micro & Nano Electronics. The department is recognised as a QIP centre for Ph.D pro-

gramme by the Ministry of Human Resources Development.

- **Objectives of the Programme** This FDP is aimed at giving an introduction to python programming for machine learning. At the end of the FDP, participants will be able to explore, manipulate, and analyze images using Python packages. The course will cover the following topics with all sessions being hands-on.
- **Course Content**
  - Python Basics
  - Python Packages - Numpy and Matplotlib
  - Linear Algebra with Python
  - Introduction to Machine Learning
  - Classification and Regression
  - Image and Video Analysis
- **Resource Persons** The resource persons are faculty members from College of Engineering Trivandrum and other reputed academic institutes.
- **How to Apply** In order to apply for the FDP, a candidate from institutions under DTE has to create an account in the TMS portal of DTE (<http://admissions.dtekerala.gov.in/tpms/>) and then apply through the created account. Candidates from non-DTE institutions have to visit the portal (<http://admissions.dtekerala.gov.in/tpms/>) and click on the **+Read More** button in the **Apply for a Course tab** and apply through the **Others** option. The application included herewith or in a similar format, duly recommended by the Head of the institution should reach the coordinator on or before 05<sup>th</sup> **March 2021**. Advance copy of the application may be sent through e-mail. The selected candidates will be intimated through e-mail.

gramme by the Ministry of Human Resources Development.

- **Eligibility**

Faculty members from AICTE approved Engineering Colleges and Polytechnic Colleges are eligible to apply. Faculty from private self financing institutions need to pay a fee of Rs. 500/-.

- **TA/Accommodation**

Participants are not eligible for TA as the course will be conducted online.

- **Important Dates**

Last date of application	05-03-2021
Intimation of selection	08-03-2021
Confirmation of participation	10-03-2021