

REGISTRATION FORM

KTU SPONSORED FACULTY DEVELOPMENT PROGRAMME ON

OPEN SOURCE TOOLS FOR ENGINEERING APPLICATIONS: HANDS ON TRAINING

22nd to 26th AUGUST 2022

Name :
Designation :
Highest Qualification :
Specialization :
Experience in Years :
Institution Address :

Mobile No. :
E-mail id :
Accommodation required: Yes/No

DECLARATION

The information given above is true to the best of my knowledge. If selected I will attend the course for the entire duration of five days.

Place :
Date :
Signature of Participant

Signature of the Head of the Institution Office Seal

CHIEF PATRONS

Shri. G Mohandas
Chairman, MCET

Smt. Rani Mohandas
Secretary, VNGP Trust

ORGANIZING CHAIRMAN

Dr. Ashalatha Thampuram
Executive Director, MCET

ORGANIZING VICE-CHAIRMAN

Dr. S Sheela
Principal, MCET

CONVENOR

Dr. S Shabu
Head of the Department, ECE, MCET

FDP CO-ORDINATORS

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TECHNICAL SUPPORT

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Faculty Development Programme on

OPEN SOURCE TOOLS FOR ENGINEERING APPLICATIONS: HANDS ON TRAINING

22nd August 2022 - 26th August 2022

Sponsored by



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Organised by

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



ABOUT MCET

Mohandas College of Engineering and Technology (MCET) was established in 2002 as one of the first self-financing engineering colleges in Kerala. The institution is NAAC accredited and ISO 9001:2008 certified. The college has full-fledged departments offering six undergraduate courses and five postgraduate courses including MCA and MBA affiliated to APJ Abdul Kalam Technological University.

ABOUT ECE DEPARTMENT

The department started in 2002 with an intake of 60 students for B.Tech. Electronics and Communication Engineering. It is one of the oldest departments in the institute. In 2012, a PG program (M.Tech.) in Applied Electronics and Instrumentation was introduced. The department, with its facilities and experienced faculty members provides a conducive environment for developing the technical and learning skills of the students. The department organizes national conference once in three years and jointly conducts technical fest every year. The department also organizes industrial visits, study tours, expert talks and add-on courses for the overall development of the students.

Prof. Dr. S. Shabu, as Head of the Department, leads the Electronics and Communication Engineering department. In his career, he had been through various capacities like Professor, HoD, Dean (UG), Dean (PG) and Principal at College of Engineering Trivandrum (CET). He served as the first Controller of Examinations at APJ Abdul Kalam Technological University (KTU). He has more than 30 National and International publications in his credit.

VISION

To carve a niche in the area of education and research in electronics and communication by bringing out engineers with strong commitment towards discharging their duties and who are abreast with the latest developments in the field.

MISSION

To produce highly competent professionals in the field of electronics and communication by empowering the students with a solid foundation of technical and hands-on practical knowledge through state-of-the-art teaching-learning process and make them competent to meet the latest technological requirement of our country.

ABOUT THE COURSE

The program provides an opportunity to understand the significance of open source tools such as Scilab & Python for engineering applications. It also provides hands-on training in signal processing and communication engineering areas using Scilab & Python. This program also enables faculty members to conduct various theory and laboratory courses in different branches of engineering.

COURSE CONTENTS

- Introduction to Open Source Tools, Scilab & its applications
- Introduction to DSP/DFT/IDFT and Hands-on using Scilab
- FFT/Butterfly Diagram/Filter Design and Hands-on using Scilab
- Introduction to Base Band Digital Communication/ISI and Hands-on using Scilab
- Eye Diagram/BPSK/QPSK and Hands-on using Scilab
- Speech Processing and Hands-on using Python
- Channel Coding Techniques and Hands-on using Python

COURSE OUTCOME

At the end of the course, the participants will be able to :

- understand the significance of Open Source Tools, Scilab & its applications
- study the applications of scilab in signal processing domain
- acquire knowledge on the use of scilab in communication techniques
- familiarize with the implementation of speech processing in python
- learn channel coding techniques using python

RESOURCE PERSONS

- Dr. Vineeth B. S**
Assistant Professor, IIST, TVM
- Dr. Rajeev Rajan**
Associate Professor, CET, TVM
- Dr. Hema Ramachandran**
Former Assistant Professor, TPLC, GEC Barton Hill
- Dr. Arun Joy**
Associate Professor, MITS, Kochi
- Prof. Emmanuel Tom**
Assistant Professor, MITS, Kochi
- Prof. Ameenudeen PE**
Assistant Professor, CET, TVM

ELIGIBILITY

This FDP is open to faculty members of all engineering colleges affiliated to APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala.

REGISTRATION

Mode of Conduct : **OFFLINE**

No Registration Fee.

Participants need to register through the link provided below and upload the filled registration form and sponsorship certificate given at the back side of this page.

Registration Link : <https://tinyurl.com/34ejsk98>

The number of participants is limited to 30 and selection will be based on first come first serve basis.

IMPORTANT DATES

Last date for Registration : 15/08/2022

Notification of Selection : 17/08/2022

GENERAL INSTRUCTIONS

It is compulsory for all participants to attend all the offline sessions and complete the feedbacks in order to receive the certificate of participation. Participation Certificate will be issued to all participants who attend the FDP through offline mode on all days.