Tamil Nadu State Government Sponsored

Five Day Online
Faculty Development Programme on

MATLAB for Electrical Engineering

1st – 5th August 2022

Resource Persons

The sessions of this FDP will be handled by a team of distinguished academicians and industry experts who are well-versed in the field of MATLAB.

Session Timings

Session 1 : 9.30 am to 11.00 am

Session 2 : 11.15 am to 12.45 pm

Session 3 : 1.45 pm to 3.15 pm

Session 4 : 3.30 pm to 5.00 pm

ORGANIZING COMMITTEE

Patron

Dr. P. Thamarai
Principal, GCT, Coimbatore

HoD/FDTC

Dr. T. Purusothaman
Professor, FDTC, GCT, Coimbatore

Conveners

Dr. P. K. Palani
Principal, ACGCET, Karaikudi

Dr. K. Baskaran
Professor & Head / EEE
ACGCET, Karaikudi

Coordinators

Prof. V. Pradeep
AP/EEE, ACGCET, Karaikudi

Prof. S. Ida Evangeline
AP/EEE, ACGCET, Karaikudi

Important Dates

Last Date for Registration : 25.07.2022
Intimation of Selection : 26.07.2022
Confirmation by the Participants : 29.07.2022

Address for Correspondence
Mr. P. Duraisamy

Assistant Professor / Mechanical
Faculty Development Training Centre
Government College of Technology
Coimbatore—641 013
Email: ftc@gct.ac.in

Tamil Nadu State Government

Sponsored

**Five Day Online
Faculty Development Programme**
on

MATLAB FOR ELECTRICAL ENGINEERING

1st – 5th August 2022

**Organized by
Faculty Development Training Centre
Government College of Technology,
Coimbatore-13.**

**Department of Electrical and Electronics Engineering
Alagappa Chettiar Government College of
Engineering and Technology,
Karaikudi-03.**

GCT Coimbatore

Government College of Technology, Coimbatore formerly known as the Arthur Hope College of Technology was started in July 1945 to give high priority to Technical Education. The institute was renamed as Government College of Technology and affiliated to University of Madras in 1951. The institute offers nine UG and eleven PG programmes with recognized research supervisors to pursue M.S. (by Research) and Ph.D. programmes. The institute was granted full autonomy for all the UG and PG courses from the academic year 1987-88. Each department has well qualified faculty members and excellent infrastructural facilities. The institute received TEQIP funds in Phase I, II and III of MHRD project. The institute is accredited by NAAC with 'A' grade.

Faculty Development Training Centre

The Faculty Development Training Centre was established in the year of 2019 to provide technical trainings to Engineering and Polytechnic college faculty members by Tamil Nadu State Government. It is equipped with sophisticated smart class rooms and tutorial rooms. It provides boarding and lodging facilities to resource persons and participants during the training programme. The programmes are organized to enhance the teaching skills of faculty members.

ACGCET Karaikudi

Dr. RM. Alagappa Chettiar, a man of wisdom and forethought, founded Alagappa Chettiar Educational Trust with the sole aim of providing quality education. Alagappa Chettiar College of Engineering and Technology started functioning from July 21, 1952 with three faculties – Civil, Mechanical and Electrical Engineering. Then, Electronics and Communication Engineering and Computer Science and Engineering programmes were added.

Now the institution offers 5 U.G and 6 P.G programmes to cater the needs of students. The institute is offering research through its six departments (Civil, Mechanical, EEE, ECE, CSE, and Science and Humanities). The prestigious institute is accredited by NBA and NAAC.

About the FDP

MATLAB is a multi-paradigm numerical computing environment and proprietary programming language. Nowadays, it is widely used in the field of Electrical Engineering and has a wide range of applications. In MATLAB, Simulink adds graphical multi-domain simulation and model-based design for analyzing dynamic systems. Artificial Neural Network toolbox is used for prediction and performance analysis. Simscape TM power system toolbox is applied for load flow analysis. Thus, the role of MATLAB in Power Systems and Power Electronics has become extremely important.

This FDP aims to promote discussion and knowledge sharing among target audiences about the importance of MATLAB tools and their applications, as well as current research opportunities in the Electrical Engineering field. This FDP will focus on various applications including highly efficient power converters, multi-level inverters, smart grids, recent trends in electric vehicle and battery management systems. The details of controller design for dynamic systems, power system problems and solutions, algorithms for predictive analytics, load flow analysis, and fault analysis will be elaborated.

This programme will include state-of-the-art lectures, hands-on lab sessions, tool demonstrations, and discussion/presentation sessions.

Registration

- **No Registration fee**
- **Faculty members from AICTE approved institutions (Engineering and Polytechnic colleges) are eligible to attend the programme**
- **Participants will be selected on first-come first-served basis**
- **Selected candidates will be intimated through email**

Registration Link

https://forms.gle/DTubWge1Haba6ZJ49

Scan the QR Code

Participation Certificate

E-Certificate will be issued based on the attendance percentage, test score, and submission of feedback