

Tamil Nadu State Government Sponsored

**Five Day Online
Faculty Development Programme**

on

**Computational Mathematics
Using R and MATLAB**

10th – 14th October 2022

Resource Persons

Dr. N. Anbazhagan

Prof & Head, Alagappa University, Karaikudi

Dr. G. Sethuraman

Professor, CEG Campus, Anna University, Chennai

Dr. V. Lakshmana Gomathi Nayagam

Associate Professor, NIT, Trichy

Dr. R. Vishnu Vardhan

Associate Professor, Department of Statistics,
Pondicherry University, Pondicherry

Dr. A. Manivannan

Assistant Professor,
School of Advanced Sciences, VIT, Chennai

Technical Evangelist

Mathworks India Private Limited, Bangalore

Session Timings

Session 1: 09.30 am to 11.00 am

Session 2: 11.15 am to 12.45 pm

Session 3: 01.45 pm to 03.15 pm

Session 4: 03.30 pm to 05.00 pm



Organizing Committee

Patron

Dr. P. Thamarai

Principal, GCT, Coimbatore.

HoD/ FDTC

Dr. T. Purusothaman

Professor, FDTC, GCT, Coimbatore

Conveners

Dr. M. Palaninatha Raja

Principal, TCE, Madurai

Dr. S. Jeyabharathi

Professor & Head / Mathematics

TCE, Madurai

Coordinators

Dr. M. Sundar

Assistant Professor
Mathematics, TCE, Madurai

Dr. P. Victor

Assistant Professor
Mathematics, TCE, Madurai

Important Dates

Last Date for Registration : 03.10.2022

Intimation of Selection : 04.10.2022

Confirmation by the Participants : 07.10.2022

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



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Organized by

**Faculty Development Training Centre
Government College of Technology**

Coimbatore - 13

&

Department of Mathematics



Thiagarajar 65
College of Engineering

YEARS
1957-2022

where quality and ethics matter

*Celebrating
Academic Excellence*

Madurai - 15

About 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.

About 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.

About Thiagarajar College of Engineering

TCE aims at creating quality professionals to meet the emerging industrial and social needs through innovative teaching, applied research and industrial interaction. TCE is one of the highly recognized Engineering and Technology Institutions in India by MHRD.

Spread across 143 acres, TCE is a self sustained educational institute with nearly 219 Faculty members, 4300 students and 200 administrative and supporting staff. The campus is set within a

serene and eco-friendly environment surrounded by dense vegetation and best infrastructure facilities. More than 60% of the faculty members hold doctoral degrees from reputed national and international Institutions.

The institution has fifteen academic departments (offering nine UG programmes and ten PG programmes), five nodal research centers, Incubation center and more than fifty laboratories aiding hands-on learning of products and system building. Each course is designed to have balance depth of conceptual and Technical knowledge along with practical understanding.

About the FDP

MATLAB is a programming platform designed specifically for engineers and design systems and products that transform our world. It is the matrix-based language allowing the most natural expression of computational mathematics.

R is a programming language for statistical computing and graphics which provides a wide variety of statistical and graphical techniques and is highly extensible.

This FDP intended to be an introductory MATLAB in which the topics of arithmetic, algebra, plotting, preparation of functions, limits, derivatives, integration and other engineering related topics will be investigated. The foundation laid in this FDP will also be used and expanded in all subsequent areas to equip the participants with an important skill in engineering and science – MATLAB programming. On the other hand, this program delves into intricacies of calculations, co-relations and statistical probabilities and teaches the learners, the fundamental understanding of programming with R and data analytics using SPSS. Moreover this FDP explores the idea of spanning tree algorithm and Multi Criteria Decision Making (MCDM) problem for young researchers.

Modern lectures, hands on training and discussion sessions will all be a part of this program.

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/geB6UHVqWjEdtnDV9>

Scan the QR Code



Participation Certificate

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

