TARGET AUDIENCE

This five day short term course is deliberately designed for the faculty members of the AICTE approved institutions (Polytechnic Colleges and Engineering Colleges), research scholars, participants from Government institutions, Industries (Bureaucrats /Technicians /Participants from Industry etc.) and staff of host institutions.

RESOURCE PERSONS

The eminent faculty members from the leading technical institution (NITs, IITs, and IIITs) experts will deliver the lectures.

PARTICIPATION CERTIFICATE

E-Certificate will be issued based on the attendance percentage, test score, feedback and active participation in the programme.

ADDRESS FOR CORRESPONDENCE

Dr. N. Karimilla Bi

Assistant Professor/Mathematics

Faculty Development Training Centre,

Government College of Technology,

Coimbatore - 641 013.

Mob No: 9445357125

Email: ftc@gct.ac.in

OBJECTIVE

Advancement in computing technology has raised the importance of data analytics and placed great demands on its applications to complex decision making problems. With the availability of various data analytical techniques and user-friendly analytical software such as Gephi, BibExcel, MINITAB, MATLAB and GAMS, the ability to analyze large amount of data is a necessity for academicians and researchers. Advanced data analytical techniques are usually very complex and confusing for beginners and intermediate researchers. The programme will address issues in research methods and data analytics like selection of appropriate analytical tools, right software, interpretation of outputs and effective report writing using tools such as LaTeX, Mendeley, Grammarly, and Origin.

COURSE OUTLINE

➢ Systematic literature Review
➢ Scientometrics tools: BibExcel and Gephi
➢ Reference Management tools: Mendeley
➢ Research paper writing assistant tools: Grammarly
➢ How to write Research paper and proposal
➢ Introduction to LaTeX
➢ Tools for reducing plagiarism
➢ Data analysis and Graphing tools: Origin
➢ Single and Multi-objective optimization techniques
➢ Introduction to GAMS
➢ Taguchi's DoE and ANOVA
➢ Response Surface Methodology using MINITAB
➢ Meta Heuristics coding in MATLAB

Tamil Nadu State Government Sponsored Five Day Online Faculty Development Programme On

Advanced Research Methodology & Data Analytics Tools

13-03-2023 to 17-03-2023

Organized by

Faculty Development Training Centre
Government College of Technology
Coimbatore - 641 013, Tamilnadu, India.

&

Department of Mechanical Engineering
Government College of Engineering Srirangam
Trichy – 620 012, Tamilnadu, India.

ABOUT T 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 THE 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 THE INSTITUTION

Government College of Engineering, Srirangam, was started in the year 2013 with the notion of serving the students from marginalized family and rural areas across the state. It is one among the state owned AICTE approved institution providing quality Engineering education. The Anna university affiliated institution has five Courses in various Engineering Disciplines. The institution comprises of faculty of determination to educate the students, an intellectual student community, well supporting administrative, technical and non-technical staff, who are striving to progress in producing reputed engineers to serve the nation.

ORGANIZING COMMITTEE

Patron

Dr.K.Manonmani,

Principal, GCT, Coimbatore

HOD / FDTC

Dr. T. Purusothaman,

Professor / FDTC, GCT, Coimbatore

Convenor

Dr. V. M. Shanthi,

Principal & HoD,

Government College of Engineering Srirangam, Trichy

Coordinators

Dr.C.Rajaganapathy,

Dr.R.Varthini,

Assistant Professor,

Mechanical Engineering.

Government College of Engineering Srirangam

Trichy-620012

IMPORTANT DATE:

Last date for registration:	**08-03-2023**
Intimation of selection:	**09-03-2023**
Confirmation of Participants:	**10-03-2023**

Tamil Nadu State Government

Sponsored Five Day Online

FacultyDevelopment Programme

On

Advanced Research Methodology

& Data Analytics Tools

13-03-2023 to 17-03-2023

Registration Link:

https://forms.gle/LSV7G2iRXcbydZpT6

QR Code:

REGISTRATION

- ➢ No Registration fee.
- ➢ Faculty members from AICTE approved institutions (Polytechnic Colleges and Engineering Colleges) are invited to participate in this Programme.
- ➢ Participants will be selected on first-come first-served basis.
- ➢ Selected candidates will be intimated by E-mail.