

TARGET AUDIENCE

The FDP is designed for **faculties of Engineering and Polytechnic Colleges** who seek to better understand and explore the opportunity of smart and sustainable manufacturing practices.

RESOURCE PERSONS

Faculty experts from premier academic universities/institutions and experts from leading industries, research and development organizations.

PARTICIPATION CERTIFICATE

Certificate will be issued based on 70% attendance, 50% test score and submission of feedback for program.

IMPORTANT DATES:

Last date for registration: **12-02-2024**

Intimation of selection: **14-02-2024**

OBJECTIVE

Participants in the programme can:

- **gain a critical understanding** of the key social, economic, environmental and market trends and identify implications for the business
- **engage with the latest research** and impart the knowledge to student community
- **encourage students in doing projects related to** smart and sustainable manufacturing
- **learn with leaders** across different sectors from around the world in a safe space for sharing, innovation and collaboration
- **leave inspired**, with the knowledge and confidence to drive change for smart and sustainable Technologies
- **join a valuable network** of experts from other academic institutions .

COURSE OUTLINE

The programme equips faculties with the knowledge, commitment and inspiration to turn smart and **sustainable manufacturing trends into strategic business decisions and also take cutting-edge technologies to students**. It gives knowledge and techniques to redefine and respond to social, economic and environmental priorities by providing a safe space for sharing, innovation and collaboration.

The technologies covered are Industry 4.0, Industrial IOT, Industry 5.0, Robotics, Industrial Automation, Additive Manufacturing, Alternate energy sources for a cleaner production, Industrial Ecology, Industrial Sensors, Image processing, MATLAB for manufacturing, Computational technologies and Quality Management for smart manufacturing etc.



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

**The Smart and Sustainable Manufacturing
- The New Era of Manufacturing
19-02-2024 to 23-02-2024**



Organized by

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

&

Department of Mechanical Engineering

**Government Polytechnic College
Chekkanurani, Madurai - 625514
Tamilnadu, India**

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 programs with RECOGNIZED research supervisors to pursue M.S. (by Research) and Ph.D. programs. 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 program. The programs are organized to enhance the teaching skills of faculty members.

ABOUT THE INSTITUTION

Government Polytechnic College, Chekkanurani, Madurai was started in the year 2013 by Government of Tamilnadu to offer holistic learning environment for the students from marginalized family and rural areas. The Institution offers 5 Diploma programs in the core fields of Engineering stream. The Institution has well- qualified and highly motivated faculty members and well- equipped laboratories to cater to the student needs.

ORGANIZING COMMITTEE

Patron

Dr. K. Manonmani,
Principal, GCT, Coimbatore.

HOD / FDTC

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

Convenors

Dr. G. Vijayakumari , M.E., Ph.D,
Principal (FAC) ,
Government Polytechnic College,
Chekkanurani, Madurai.

Mr. P. Mukesh,
HOD (i/c) / Mech,
Government Polytechnic College,
Chekkanurani, Madurai.

Coordinators

Dr. R. Subhaa, Mr. K. Sanjeevkumar
Lecturer / Mechanical,
Government Polytechnic College,
Chekkanurani, Madurai.

ADDRESS FOR CORRESPONDENCE

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Tamil Nadu State Government

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Registration Link:

<https://forms.gle/qeGDpdh9hMsKEVwZ9>

QR Code:



REGISTRATION

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