

Five days Online Faculty Development Programme (FDP)

On

Newer Manufacturing Methods and its Applications

5th – 9th February 2024



Organized by

Department of Mechanical Engineering



Coimbatore Institute of Technology

(A Government Aided Autonomous Institution affiliated to Anna University & accredited by NBA and NAAC)

Coimbatore - 641 014, Tamilnadu, India

Tel: 0422-2574071, 72

Website: www.cit.edu.in

About the Course

Newer manufacturing technologies reduces process steps, materials usage, or part counts which will reduce the energy embedded in the manufacturing value chain and decrease the use of raw materials in multiple markets. The selection of a suitable manufacturing process to meet specific product quality, cost and development time upon initial product conceptualization is a complex task. It is essential to identify the suitable novel manufacturing methods to overcome the situation.

This course aims to uncover the newer manufacturing methods and various tools and techniques used in modern manufacturing industries.

Course Topics

- Additive manufacturing
- Advanced Welding Technology
- Advanced Foundry Technology
- Newer manufacturing methods and its applications
- Medical Applications of 3D printing
- Industry 4.0
- IoT in Manufacturing
- Composite materials
- Smart Materials
- Material testing

Resource Person

Eminent resource persons from manufacturing societies, academicians from leading institution, experts in the field and technical person from various companies.

About the Institution

Coimbatore Institute of Technology (CIT), started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic and research excellence in engineering and technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. The institute has a reputation with service of competent well qualified faculty members and dynamic management to set highest standards in engineering research and development. CIT offers undergraduate, post graduate and PhD programs with curriculum of global standards, promoting the students to compete internationally.

All the courses are accredited by NBA and NAAC. The institute has celebrated its Golden Jubilee in the year 2006 and has collaborations with leading frontier universities and industries in India and abroad for promotion of innovative engineering ideas.

About the Department

The Department of Mechanical Engineering is one of the earliest departments in CIT, started in the year 1956. It offers programs right from under graduate to doctoral level. It was started in the year 1956 with Bachelor of Engineering, since then many quality engineers graduated from here, have served the society and the nation. It has moved further by adding Post graduate degree programmes in engineering in the field of Heat Power Engineering in 1965 and Advanced Manufacturing Technology in 2005. Doctorate Programme was started in the year 1972, and as on date it has awarded more than 125 Ph.Ds. Fourteen out of thirty-four faculty members are Doctoral degree holders from premier institutes including Indian Institute of Technology and Loughborough University, with the rest of them in the pursuit. The Department is equipped with many state of art laboratories and research grant accounting for more than Rs.8 crores for research and academic work with a work force of 34 technical staff. The infrastructure and people together have been instrumental in producing more than 3000 quality engineers for the past 67 years through quality education.

Eligibility

The faculty members of the AICTE approved institutions, research scholars, participants from Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.). The selection is based on first come and first serve basis. Selected candidates will be intimated through e-mail.

Fee

Research Scholars – Free

Academicians/ Industry Professionals – Rs.200

ACCOUNT NAME: TRAINING AND CONSULTANCY

Bank: Indian Bank

Account Number: 6717786188

Branch: Peelamedu

IFSC Code: IDIB000S107

Important Dates

Last date for Receipt of Application : **1st Feb 2024**

Intimation of Selection : **2nd Feb 2024**

Registration

Interested participants are requested to register through the following google form link <https://forms.gle/VwN9nWrAMR5argPx8> on or before 1st Feb 2024.

Contact details

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ORGANIZING COMMITTEE

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