

SHORT-TERM TRAINING PROGRAM
ON
**COMPUTER AIDED DESIGN/ COMPUTER
AIDED MANUFACTURING/ COMPUTER
AIDED ENGINEERING (CAD/CAM/CAE - 2023)**

11 – 17 May 2023

About the Institute

Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram is a public institution established in 2007 by the Ministry of Education, Government of India to pursue design and manufacturing-oriented engineering education and research. IIITDM Kancheepuram is declared as an Institute of National Importance (INI) by Government of India.

The Institute is presently offering B.Tech programmes in Computer Engineering, Electronics and Communication, Mechanical Engineering and Smart Manufacturing, 5 Dual Degree Programmes leading to B.Tech and M.Tech Degrees, and M.Des in Electronic Systems Design, Communication Systems Design, Mechanical Systems Design and interdisciplinary Ph.D programmes in core and applied areas of engineering.

About the Department

Department of Mechanical Engineering is one of the oldest departments of IIITDM and has grown into its current status with specializations in all the major areas of Mechanical Engineering. Mechanical engineering deals with anything that moves from the tiniest micro-particle to the largest spacecraft, and even the human body, which is the most complex machine. It is the broadest of all engineering disciplines, and interdisciplinary work is key to our department's success. Our flexible curriculum focuses on IT enabled design and manufacturing catering to the needs of the 21st Century.

About the Course

Computer-Aided Design (CAD), Computer-Aided Manufacturing (CAM), and Computer-Aided Engineering (CAE) are the most important tools used in product development which have low throughput. As these tools are computer based, the error caused by human are minimal and thus the time spend to design, analyse and manufacture the components are low. In addition to that the cost involved to develop the product would be less compared to the conventional method. Upon the completion of this course, the participants can be able to apply the concepts of CAD/CAM/CAE in manufacturing industries such as aerospace, biomedical and construction, and in academia with case studies and hands on experience.

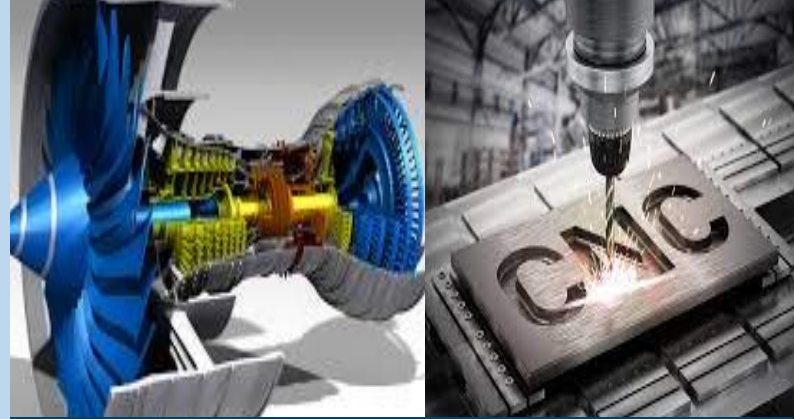
☑ Contents

Overview of CAD/CAM/CAE | CAD Concepts | Geometric Modelling for CAD | CAM Concepts | Part Programming for CNC | Product Realization using AM | CAE Concept | Simulation of Manufacturing Processes | Case Studies on CAD, CAM and CAE | Application of CAD/CAM/CAE |

Contacts for further details:

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Course Duration and Mode

- 11-17 May 2023 (Excluding Sunday)
- Hybrid Mode (Online and Offline)



Experts

Experts from IITs and IIITDM will deliver the sessions.



Eligibility

Faculty members, persons from industry and students are eligible for the training program.



Registration Fee (Inc. GST)

Faculty : ₹ 814/- Industry : ₹ 1017/-
Student : ₹ 543/-

Last date for Registration: 11/05/2023

Digital Certificates will be awarded to participants



Payment

Click SBI Collect and follow the steps:

<https://www.onlinesbi.sbi/sbicollect/>

State: Tamilnadu | Educational Institution: IIITDM-
EDUCATIONAL EVENTS | Payment Category: **CAD/CAM/CAE-
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Chief Patron

Prof. M V Kartikeyan, Director, IIITDM Kancheepuram

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Department of Mechanical Engineering

**Indian Institute of Information Technology
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(An Institute of National Importance under MoE, Govt. of India)

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