

About IIT Madras:

Indian Institute of Technology Madras also known as IIT Madras is one among the foremost institutes of national importance in higher technological education, basic and applied research. In 1956, the German Government offered technical assistance for establishing an institute of higher education in engineering in India. The first Indo-German agreement in Bonn, West Germany for the establishment of the Indian Institute of Technology at Madras was signed in 1959. The IIT Madras is a statutory autonomous institution that has been set up to offer education and research in Engineering and Technology. The campus is located in the city of Chennai, previously known as Madras. Chennai is the state capital of Tamil Nadu, a southern state in India, as coastal city and as manufacturing hub in India.

IIT Madras is a residential school whose campus sprawls over 250 hectares of lush green forest, which is mid-way between the Chennai Airport and Central Railway station, and is well connected by buses and local trains. IIT Madras is a residential institute with nearly 550 faculty, 8000 students and 1250 administrative & supporting staff and is a self-contained campus located in a beautiful wooded land of about 250 hectares. It has established itself as a premier centre for teaching, research and industrial consultancy in the country.

The Institute provides undergraduate, postgraduate and research programs in sixteen academic departments and a few advanced research centers in various disciplines of engineering and pure sciences, with nearly 100 laboratories organised in a unique pattern of functioning. IIT Madras maintains a credit based system for estimating academic performances and it has been successful in establishing itself as a leading center for research, teaching, and industrial consultancy in India. A faculty of international repute, a brilliant student community, excellent technical & supporting staff and an effective administration have all contributed to the eminent status of IIT Madras.

About Mechanical Engineering Department:

Mechanical Engineering is one of the major activities in the engineering profession and its principles are involved in the design, study, development and construction of nearly all of the physical devices and systems. Continued research and development have led to better machines and processes helping the mankind. Mechanical Engineering is one of the major activities in the engineering profession and its principles are involved in the design, study, development and construction of nearly all of the physical devices and systems. Continued research and development have led to better machines and processes helping the mankind. In addition to teaching undergraduate and graduate students, the faculty of Mechanical Engineering actively pursues research through graduate students.

About Manufacturing Engineering Section:

The Manufacturing Engineering Section is spread over three laboratories, one housed in Ranganathan Building, one in the Machine Tool Laboratory, Central Workshop and third in Mechanical Sciences Block. Faculty members with MES as their research focus work on the development of next generation advanced manufacturing processes and cutting tools, machining of difficult-to-machine materials, machining and forming at micro and Nano scales, friction and laser based surface engineering, microstructural alterations to improve material properties, infusing smartness into processes and machines, automation of processes at different levels, high precision measurement and characterization at all length-scales.

Course Objectives:

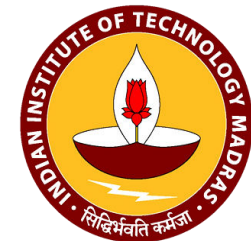
Broadly covers the topics of modeling, simulation and experimental approaches of unconventional manufacturing techniques (UCM). The participants will have a chance to learn, integrate and effectively handle the diverse industrial problems in UCM. The participants attending this program is expected to demonstrate their knowledge and skills in fundamentals and state-of-the-art in UCM. This is hoping to chose right sources of energy for diverse materials processing, optimal process characteristics and quality standards when they involve in product development.

AICTE QIP

Short Term Training Program on Modeling, Simulation and Experimental Approaches of Unconventional Manufacturing Techniques 13th - 18th March 2017

Dr. S. Soundarapandian
Prof. L. Vijayaraghavan

Course coordinators
Organized by



Department of Mechanical Engineering
Indian Institute of Technology Madras
Chennai - 600036

SHORT TERM COURSE*on***Modeling, Simulation & Experimental Approaches of
Unconventional Manufacturing Techniques
Application Form****Name (block letters):****Dept. & Designation:****Organization:****Address for communication:****Ph. No. :****E-mail :****Fax :****Academic Qualification:****Specialization:****Experience (in years):****(a) Teaching:****(b) Industrial:****Accommodation:**

Required / Not Required

(No accommodation for local participants)

All data provided are true to the best of my knowledge and belief. Kindly register me for the short term course on “Modeling, Simulation & Experimental Approaches of Unconventional Manufacturing Techniques” to be held at IIT Madras.

Place:

Date:

Signature of the applicant

SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs./_____

is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course “Modeling, Simulation & Experimental Approaches of Unconventional Manufacturing Techniques Optimization for Engineering Design” at IIT Madras during March 13th—18th, 2017, if selected.

Date:

Signature of Sponsoring Authority

Designation:

Official Seal:

Provisionally selected candidates have to send a DD for Rs. 500/- as caution-deposit.

DD No.

Date:

Bank:

Amount:

Signature of the Applicant

The duly sponsored application form should be posted to:**Dr. S.Soundarapandian and Prof. L. Vijayaraghavan**

Course conveners,
Manufacturing Engineering Section
Department of Mechanical Engineering,
Indian Institute of Technology Madras
Chennai – 600 036, Tamilnadu
Ph. No.: **044 2257 4718, 4687**

Emails: sspandian@iitm.ac.in ; lvijay@iitm.ac.in

The candidate can print, sign the same, and along with sponsorship letter post the same so as to reach the coordinators before the deadline.

Lectures will be taken by faculty members from IITs and other institutions, experts from Industry and R&D organizations as well.

VENUE: ICSR Building, IIT Madras, Chennai –36**ELIGIBILITY:**

The course is open to faculty with background in Mechanical, Manufacturing, Production Engineering from engineering colleges approved by AICTE. **No course fee** is charged for participants sponsored by AICTE approved institutions. However, Rupees 500/- caution-money has to be sent by the provisionally selected participants, which will be returned only when participant joins the course.

All payments are to be made by Demand Draft drawn on any nationalized bank in favor of **Registrar, IIT Madras payable at Chennai.**

FINANCIAL ASSISTANCE:

Limited number of participants from AICTE recognized engineering institutions will be eligible for to and fro railway fare (3rd AC) via shortest route from the destination and free lodging and boarding in the institute guest house during course period. Candidates attending the course in full only will be eligible for TA and DA.

BOARDING AND LODGING:

Boarding and lodging facilities will be provided for the selected candidates from AICTE approved institutions in the Taramani guest house at IIT Madras. Accommodation will be on twin sharing basis.

IMPORTANT DATES:

Last date for applications	: 10-02-2017
Intimation of selection (through email)	: 17-02-2017
Confirmation of participation	: 24-02-2017

MECHANICAL ENGINEERING DEPARTMENT PROFILE:<https://mech.iitm.ac.in/meiitm/>**COURSE COORDINATORS PROFILE:**<https://mech.iitm.ac.in/mes/mes-faculty.htm>