

For Faculties, Engineers, Scientist and Students

Coordinators

Dr. I.A. Palani & Dr. Yuvraj Madhukar

Course contents

- ◆ Precision Manufacturing
- ◆ Micro and Nano Fabrication
- ◆ Micro surface processing
- ◆ Multi-scale modelling and Manufacturing
- ◆ Micro-Machining and micro-Forming
- ◆ Micro scale assembly and systems
- ◆ Micro-Mechanics and Nano Mechanics
- ◆ Nano polishing
- ◆ Micro/ Nano Etching
- ◆ Smart Manufacturing and Industry 4.0
- ◆ Additive manufacturing
- ◆ Diamond turning
- ◆ Laser assisted Micro-Machining
- ◆ Metrology for Precision Engineering
- ◆ Metrology for Gears Macro to micro
- ◆ Surface coating and characterisations

Objective of this course

The miniaturized products/ components and high precision requirements often demand innovative manufacturing methods, testing and characterization tools/ techniques. Application of precision manufacturing in aerospace, automotive industries and advances in microelectronics and biomedical engineering, look to the processing of advanced materials and fabrication of functional surfaces. The overall challenge is to achieve a synergy among machining, forming and additive manufacturing techniques at micro, Nano and Meso scales.

Resource experts

- ◆ Prof. Nilesh J Vasa, IIT Madras
- ◆ Prof. J.Ramkumar, IIT Kanpur
- ◆ Prof.Suhash Joshi, IIT Bombay
- ◆ Dr.S.Kanmani Subbu, IIT Palakkad
- ◆ Prof.Arockia Rajan, IIT Madras
- ◆ Dr.Balasubramaniam, BARC
- ◆ Dr.Prakash Vinod, CMTI Bengaluru
- ◆ Dr.Eswar Prasad, IIT Indore
- ◆ Dr Praveen Bidare, University of Birmingham
- ◆ Dr.Vipul Singh, IIT Indore
- ◆ Dr.B.K.Lad, IIT Indore

And some more faculties from IIT Indore, other IIT's and Research centres

Course Fee & Details

1. There is no fee for participants from AICTE affiliated colleges.
Kindly send your nominations to the below mentioned emails.

2. For Other participants, following is the fee structure

Rs 1000 (STUDENTS INCLUDING PH.D SCHOLARS)

Rs 1500 (ACADEMIC INSTITUTIONS)

Rs 2000 (INDUSTRY & RESEARCH ORGANIZATION)

The Registration fee is merely for the participation, interaction with the experts and a participation certificate.

An email with online transfer receipt should be mailed to the coordinator by 30th September 2020.

**(palaniia@iiti.ac.in)/ (yuvrajmadhukar@iiti.ac.in)
(e certificate will be provided)**

MODE OF PAYMENT:

Name of the Beneficiary : Registrar, Indian Institute of Technology Indore

Name of Bank : Canara Bank

Branch Code : IIT Indore, Simrol Campus

Account No. : 1476101027440

Bank MICR Code : 452015003

Bank IFS Code : CNRB0006223

