

REGISTRATION FORM

Full Name: _____

Designation: _____

Department: _____

Institution with address: _____

_____ Pincode: _____

Academic qualifications: _____

Experience (Yrs): (i) Teaching: ii) Industry:

Phones: Official: _____ Mobile: _____

E-mail: _____

Signature of the applicant: _____

Signature of the Head of the Institution with seal: _____

Address for Correspondence

Dr. Ravi Kumar Mandava, Asst. Professor

Dept. of Mechanical Engineering,

MANIT Bhopal, Bhopal-462003

Email: ravikumar1013@manit.ac.in

Registration

link: <https://forms.gle/oV4uhzGWSWdETpvy8>

Registration Fee

The registration fee structure is as follows

Participants	Fee in Rs.
UG/PG students/ PhD scholars	500/-
Faculty Members	500/-
Industry Professionals	1000/-

- Registration forms are also available in Institute website www.manit.ac.in.
- Seats are limited to 100 and selection will be based on first come first basis.
- The completed registration form may be sent along with Demand Draft payable in favour of “Director, MANIT”, payable at S.B.I, MANIT branch (code: SBIN0001608 and Account No. 10020150107) on or before 10-12-2020.

Patron: Dr. N. S. Raghuwanshi, Director

Chairperson: Dr.G.Dixit, HOD (M.E)

Organizing Committee: All faculty Members of the Department

Course Coordinators

Dr.C.M. Krishna, Professor &

Dr. Ravi Kumar Mandava, Asst. Professor

Dept. of Mechanical Engineering, MANIT.

Contact No: 9425603798

Online Short Term Course

on

Smart Manufacturing Technologies

(Self-Financed Course)

23rd -27th, December 2020

Call for Participation



Organised

by

DEPARTMENT OF MECHANICAL
ENGINEERING

Maulana Azad National Institute
of Technology, BHOPAL-462003, M.P,
INDIA

About the Institute

Maulana Azad National Institute of Technology (MANIT) was established in 1960 and is one of the pioneering engineering institutes of the country since then. It was named after the great scholar, educationist and the first education minister of Government of India, Maulana Abul Kalam Azad and it produced many outstanding engineers for industry in India and abroad. Currently, the institute, with the help of 15 departments and two centers, is conducting 9 UG, 32 PG programs and Ph.D programmes in all the disciplines of engineering and applied sciences and also conducting M.B.A programme with the help of about 250 competent faculty members. Special attention is given to interdisciplinary application oriented research with an aim of bridging the gap between academicians and industry professionals.

About the Department

Department of Mechanical Engineering came into existence in the year 1960. The department has forty one qualified and dedicated faculty members with specializations in various areas of mechanical engineering. At present, the department is conducting an undergraduate course, five

post graduate courses and research programmes leading to Ph.Ds.

About the FDP

Smart manufacturing is fourth revolution in manufacturing industry, the objective of which is, improving competitiveness of industries and to meet dynamic customer demands with high variability. It is different from other technology based manufacturing paradigms and aims at next generation manufacturing with better capabilities. In order to achieve these objectives, the machines, vehicles and work pieces are equipped with technologies, such as, sensors, microprocessors, RFIDs, telematics, etc., to collect data of themselves and their environment, process, etc. The data is analyzed and based on results obtained, necessary action is initiated. The first objective of this programme is to provide an overview of smart manufacturing technologies, such as, internet of things, cloud computing, artificial intelligence, additive manufacturing etc., and to analyze their applications in product design and manufacturing stages of product development process. The second objective of this programme is to introduce to faculty, researchers and industry personnel, relevant features of smart manufacturing in Indian

context and research issues to be addressed that support progress of smart manufacturing technologies towards industry 4.0.

Course Contents

- ❖ Overview of Smart Manufacturing
- ❖ Additive Manufacturing
- ❖ Computer Integrated Manufacturing
- ❖ Industrial Robots
- ❖ Condition Monitoring
- ❖ Sensors and Automating Identification
- ❖ Internet of Things
- ❖ Artificial Intelligence
- ❖ Cloud computing and storage

Program Faculty

Programme faculty include Experts from IIT's, NIT's and Industries, the coordinators, and experienced faculty members of MANIT Bhopal.

Eligibility for Participation

The training program is open to UG/PG students, PhD scholars, faculty from relevant engineering disciplines, and industry professionals. The programme will be conducted online and a certificate will be provided to all the participants who attend the programme.