

Registration Form

National Workshop

on

Advanced Manufacturing Technologies

September 27 – 29, 2013

Venue

Department of Mechanical Engineering
Jaypee University of Engineering & Technology
A. B. Road, Raghogarh, Guna - 473 226 (M.P.)

Name

Organisation

Address

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E-mail

Phone Fax

Mobile No

Cheque/ Demand Draft No.....

Dated..... Amount Rs.....

Drawn on.....

Dated..... Signature.....

Please mail the complete registration form along with the DD to the organising secretary by post.

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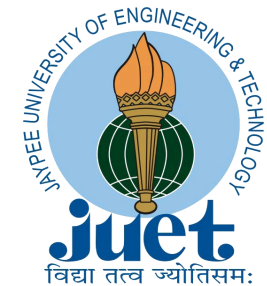
Dr Sanat Agrawal - Chairman
Mr. Yashwant K. Modi- Organising Secretary

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Organised By

DEPARTMENT OF MECHANICAL ENGINEERING
JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY

A. B. ROAD, RAGHOGARH,

GUNA – 4732 26 (M.P.)

INDIA

MECHANICAL ENGINEERING DEPARTMENT

Jaypee University of Engineering & Technology has a honour of becoming first private university in the state of Madhya Pradesh. The Mechanical Engineering Department was established in 2008 to play a pivotal role in developing high caliber trained manpower in the frontier areas of manufacturing and to face challenges of the industries. Our mission is to make the department a "Centre of Excellence" in the field of Mechanical Engineering envisaged with highly developed educational infrastructure, excellent faculty with international exposure in modern technologies and active association with research in the relevant industries.

MAJOR EQUIPMENTS

Departmental labs are well equipped with following state-of-the-art facilities.

AM Lab: EOSINT P395 (SLS m/c), ZPrinter 450 (3D Printer), Magics RP, RP Tools (Software)

CIM Lab: CIM System including CNC Lathe XLTURN, CNC Milling XLMILL, 6 axis ARIS-TO Robot, CMM, AS/RS, Automated Assembly St., AGV. Stand alone CNC Lathe, Milling and 5 axis robot, Simulation software

Mechatronics Lab: PLC kit, Simulator, Different types of Sensors

Non Conventional m/cs : EDM Drill m/c

ABOUT WORKSHOP

The objective of this workshop is to provide an opportunity for participants to get an exposure of advanced technologies in the manufacturing industries. The workshop is focused on following technologies of manufacturing namely; Additive Manufacturing (AM), Computer Integrated Manufacturing (CIM), Laser Beam Machining (LBM), Unconventional Machining (EDM) & Mechatronics.

Material removal is common in conventional manufacturing, whereas additive manufacturing produces parts by addition of material layer by layer; thus the material wastage is minimized. It is a time compression technique to rapid development of product. Complicated parts can be manufactured with little intervention of human operator. Varieties of materials can be used for fabrication e.g. ABS, polycarbonate, nylon, wax, starch, sand, metal etc. Additive Manufacturing processes are commonly applied for conceptual design, rapid manufacturing, rapid tooling, terrain modeling, medical aids and mass customization.

Computer integrated manufacturing, an integration of CAD/CAM and other business functions, is a computer controlled, automated manufacturing system comprising of CNC machine tools, robots, AS/RS and automated system for measurement (CMM), assembly and material handling (AGVs). It is most suitable for medium sized volumes of variety of parts.

LBM & EDM can be used to perform precision micro-machining on all microelectronic substrates such as ceramic, silicon, diamond, and graphite. Mechatronics is a multidisciplinary field of engineering, it is a combination of mechanics and electronics.

TOPICS TO BE COVERED

The major topics to be covered in the workshop are related to chronological development of machine tools, additive manufacturing, manufacturing automation, computer integrated manufacturing, mechatronics, and laser beam machining. More emphasis will be on practical training so that participants can become conversant with the new technologies.

PARTICIPANTS

This Workshop is aimed at enriching the knowledge of professionals from industry as well as academics. Limited number of seats are available on first come first serve basis.

REGISTRATION FEE Per participant

Industries:	Rs. 3000
Academic Institutions:	Rs. 2000
Students:	Rs. 1000

PAYMENTS

Demand Draft to be drawn in favour of **JUET, Guna** payable at Guna. The registration form along with DD is to be sent to the Organizing Secretary latest by **September 10, 2013**.

ACCOMODATION

Accommodation will be provided in the University hostels on prior information.

HOW TO REACH

Jaypee University of Engineering and Technology, Guna being located on NH-3, is well connected by Road to Gwalior, Bhopal and Indore. Trains are available on the Western Central Railway's broad gauge line. The details of the trains running on this track are available on the railway time table.

COMMUNICATION ADDRESS

- ♦ **Dr. Sanat Agrawal** - Chairman
sanat.agrawal@juet.ac.in
Cell: +9109669709504
- ♦ **Mr. Yashwant K. Modi** - Organising Secretary
yashwant.modi@juet.ac.in
Cell: +9198933 04301

MECHANICAL ENGINEERING DEPARTMENT
JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY
Phone: +91-7544-267051, 267310 ext 191
Fax: +91-7544-267011
Website: www.juet.ac.in