



**AICTE SPONSORED ONE WEEK ONLINE
SHORT TERM TRAINING PROGRAM
ON**



ADVANCES IN MANUFACTURING SYSTEMS

(20th – 25th September, 2021)



ORGANIZED BY

**DEPARTMENT OF MECHANICAL ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE**

(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, AFFILIATED TO R.G.P.V. BHOPAL)

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For registration scan the QR code

Or



Click here:<https://forms.gle/WxdsKXw7ytFyKo6k8>

PATRON

Dr. R. K. Pandit
Director, MITS Gwalior

CONVENER

Dr. M. K. Gaur
Professor & Head
Mechanical Engineering Department

PROGRAMME COORDINATOR

Dr. M. K. Sagar
Professor
Mechanical Engineering Department

ELIGIBILITY

Faculty members and research scholars of AICTE recognised institutes/universities and industry personnel.

FOR ANY QUERIES PLEASE CONTACT:

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ABOUT STTP

The manufacturing industry has been playing a very important role in the evolution of the modern society. The evolving process of manufacturing paradigms shifted from craft production, mass production to mass customization and personalization. Advanced manufacturing systems (AMSs) have been proposed and are widely used worldwide such as Reconfigurable manufacturing systems, lean manufacturing systems, additive manufacturing, Industry 4.0 etc. These AMSs have promoted both information and process integration in enterprises, enabled manufacturers in meeting customized demands, ensuring product quality with better flexibility and shorter time, and helped transforming manufacturing from mass production to mass customization.

OBJECTIVES OF STTP

The main objective of this STTP is to provide an exposure about various thrust areas in advanced manufacturing systems and technologies such as Modelling & Simulation of Manufacturing Systems, Additive Manufacturing, Industry 4.0, Sustainable Green Supply Chain Management etc. This STTP will bring together faculty members and researchers from different academic and industrial background to establish new research collaborations to address the challenges and explore the opportunities in the respective fields.

Important Instructions: There is no registration fee for this STTP as it is sponsored by AICTE. Certificates will be issued to the candidates on the basis of attendance in lectures. Participants have to appear in the quiz test which will be held on the last day of the STTP.

STTP CONTENT

The STTP will focus on the following topics:

- Manufacturing Systems
- Advanced Machining Processes
- Micro/ Nano Manufacturing
- Sustainable/ Green Manufacturing
- Automation in Manufacturing
- Manufacturing Strategy
- Modelling & Simulation of Manufacturing Systems
- Reconfigurable Manufacturing Systems
- Lean Manufacturing Systems
- Sustainable Green Supply Chain Management
- Additive Manufacturing
- Robotics
- Industry 4.0
- Taguchi's Method
- Solar Panel Manufacturing; and NEP 2020

EXPECTED OUTCOMES

The programme is expected to provide motivation and encouragement to the faculty members and researchers for working in the area of advanced manufacturing systems. The dissemination of knowledge with the latest research and development insight may lay a strong foundation for research in potential areas of manufacturing with flexibility and sustainability. More R&D activities in advanced manufacturing is expected to forge various Government of India initiatives such as "Make in India", "Smart City solutions" etc.

PLEASE NOTE

The interested candidate needs to apply online using registration link (on or before 17th September, 2021). Shortlisting of participants will be on First Come First Serve basis. The shortlisted candidates will be informed via Email.

RESOURCE PERSONS

- **Col B Venkat,**
Director (FDC), AICTE, New Delhi
- **Prof. Rajendra Sahu,**
Director, ABV-IIITM Gwalior
- **Prof. Manoj K. Tiwari,**
Director, NITIE, Mumbai
- **Prof. Anil Kumar Agrawal,**
IIT BHU
- **Prof. Pradip Kumar Ray,**
IIT Kharagpur
- **Prof. Pradeep Kumar,**
IIT Roorkee
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IIT BHU
- **Prof. G. L. Samuel,**
IIT Madras
- **Prof. Puneet Tandon,**
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IIT Guwahati
- **Dr. Rakesh Kumar Sharma,**
NIT Jalandhar
- **Dr. Harlal Singh Mali,**
MNIT Jaipur
- **Dr. Jagadish Chandra Mohanta,**
MNNIT Allahabad