

**e-Workshop
on
Technology, Innovations and Challenges in
Rapid Product Manufacturing
23rd Nov. - 27th Nov. 2020**

ABOUT INSTITUTE

NIT Hamirpur came into existence in 1986 as a Regional Engineering College, Hamirpur in Hamirpur, Himachal Pradesh, India; it was a joint enterprise of the Government of India and the Government of Himachal Pradesh. On 26th June 2002, the institute was awarded the status of deemed university and upgraded into a National Institute of Technology. NIT Hamirpur has been ranked as best NIT in terms of infrastructure by the World Bank in 2007. The Institute provides Undergraduate, Postgraduate and Doctorate Education in Engineering, Sciences & Humanities; fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied.

ABOUT MECHANICAL DEPARTMENT

The Department of Mechanical Engineering came into its existence right from the inception of the then Regional Engineering College Hamirpur (now National Institute of Technology Hamirpur) in the year 1986 and served as catering department to other disciplines. The discipline of Mechanical Engineering started offering undergraduate programme leading to four year Bachelor of Technology (B.Tech) degree in Mechanical Engineering in the year 1994. The first batch was started with an intake of 30 students which has now been enhanced to 60 students by the Ministry of HRD, Government of India from the session 2006-2007 which has further been enhanced to 90 students. Since its existence, 21 Batches of Undergraduate students with B.Tech Degree in Mechanical).

ORGANIZING COMMITTEE

Patron

Prof. Lalit Kumar Awasthi
Director

Chairman

Dr. Somesh K. Sharma
Head, Department of Mechanical Engineering

Coordinator/Treasurer

Dr. Parnika Shrivastava

Organizing Committee

All faculty and Staff of Mechanical Engineering
Department, NIT Hamirpur

CONTACT PERSON

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**e-Workshop on
TECHNOLOGY, INNOVATIONS AND
CHALLENGES IN RAPID PRODUCT
MANUFACTURING**

DATE: 23rd NOV TO 27th NOV 2020



**ORGANIZED BY
DEPARTMENT OF MECHANICAL
ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
HAMIRPUR (H. P.)
HAMIRPUR – 177005**

ABOUT e-WORKSHOP

The current market scenario demands the rapid development and production of the products. This is necessitated to ensure rapid process flow from conceptualization to mass production as well as the reduced time to market (TTM) associated with the manufactured good. Rapid Product Development (RPD) is a broad field and therefore, requires extensive knowledge. In addition, understanding of modern software and knowledge-based systems are essential to facilitate integrated design and manufacturing of new and customized products. This workshop aims to ease the understanding of technological, methodological and industrial aspects that may facilitate Rapid development and production of the mechanical components which will benefit Academicians, Research Scholars and Industrialists dealing in this field.

OBJECTIVE AND SCOPE

- To provide an opportunity for participants from various organizations to discuss policies and services from researchers, investors and industrialists leading in the field of RPM
- To provide a platform to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of RPM
- To explore various simulations and modeling software related to the analyses of RPM process
- To showcase the impact of RPM on post COVID economy (and Vice versa), technical advancements and industrial scenario
- To present an insight into the rapid prototyping for medical applications

TOPICS TO BE COVERED

- Hybrid Manufacturing Systems
- Advanced Manufacturing Process Modeling
- Retro Fitment of CNC Machining Center for Additive Manufacturing
- Design and Modeling of Biomedical Components
- Optimization Techniques for Rapid Manufacturing
- Innovation through Academia Industry Collaboration
- Impact of Rapid Product Development on Post Covid Economy
- Topology Optimization for Mass Customization

RESOURCE PERSONS/SPEAKERS

Faculties/Experts from IITs, NITs, IIITs and other premier Institutions/Organizations will deliver the lectures.

TARGETED PARTICIPANTS

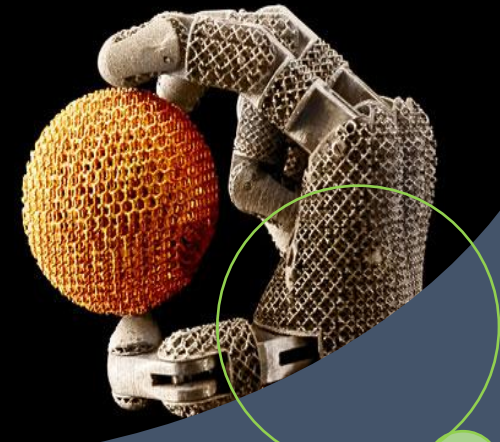
Faculty from engineering institutes, universities, research scholars, UG/PG students, and other educational institutes and employees of the industries.

NUMBER OF PARTICIPANTS

Number of participants is limited for this workshop. Application will be accepted on first-cum-first serve basis.

IMPORTANT DATES

Last date (Online Registration): **20-11-2020**
Confirmation by E-mail: **21-11-2020**
e-Workshop duration: **23-11-2020 to 27-11-2020**



REGISTRATION FEE DETAILS

Participants	Amount (₹)
Students	200
Participants from Academia/R&D Labs	500
Participants from Industries	1000

Registration is compulsory for all the delegates. The registration fee is non-refundable.

REGISTRATION PROCESS:

The interested candidates must deposit the registration fee through SBI collect with the following procedure:

- Go to SBI collect and choose Himachal Pradesh as state of Institution and type of Institution as educational institute
- Choose NIT Hamirpur from Name of the Institutions and Select payment category as WORKSHOP FDP STC CONFERENCE
- Generate the payment slip and attach it with the registration form available at the following link

<https://forms.gle/pXdjuc3A1h9e9m1Z9>

**E-Certificate will be provided to those registered participants whose minimum attendance is 75% of the program.*