



MNIT

Malaviya National Institute of
Technology Jaipur

ONLINE SHORT TERM COURSE ON ADVANCES IN MATERIALS MANUFACTURING PROCESSES AND PROPERTIES July 6-10, 2020 (5 Days)

Sponsored by
TEQIP III



DEPARTMENT OF METALLURGICAL AND
MATERIALS ENGINEERING
MALAVIYA NATIONAL INSTITUTE OF
TECHNOLOGY JAIPUR
JAIPUR-302017

Patron

Prof. Udaykumar R Yaragatti
(Director, MNIT Jaipur)

Convenors

Dr. R. K. Goyal
Professor & Head
Met. & Mat. Engg.

Dr. Rajeev Agrawal
Associate Professor
Mechanical Engg.

Dr. Vikas K Sangal
Associate Professor
Chemical Engg.

Coordinators

Dr. A. K. Pradhan
Assistant Professor
Met. & Mat. Engg.

Dr. Swati Sharma
Assistant Professor
Met. & Mat. Engg.

Participants will be shortlisted based on First-cum-First Serve basis from Government/ Government Aided/ Self-financing Engineering colleges and Industries. **The Participants will be awarded with an e-certificate.**

All correspondence regarding registration may be made to:

Dr. Ajaya Pradhan
Assistant Professor

Department of Metallurgical and Materials Engineering
Malaviya National Institute of Technology Jaipur

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Registration Process

"No Registration Fee"

Please click on the link below for registration

<https://forms.gle/NSCMTgzT9CqKdGjr5>

Last date to register: July 4, 2020 by 5 p.m.

Objectives

The programme is oriented towards providing the participants an exposure to the state-of-the-art techniques used globally in the area of advanced materials, advances in manufacturing processes and their properties. This will also give a platform for the participants to interact with the leading researchers in their areas of expertise.

Focus Areas

The programme focuses on new and advanced methods of manufacturing and materials processing for conventional and advanced materials in the light of novel approaches. Following are key focus areas:

- (i) Advanced Materials: Past, Present & Future
- (ii) 3D Printing: Capabilities & Challenges.
- (iii) Application of thermomechanical simulation for industrial manufacturing process.
- (iv) Development of high strength and high-performance steels
- (v) Powders of advanced alloys and subsequent processing.
- (vi) Advances in surface modification
- (vii) Powder metallurgy: fundamentals, applications and advancement
- (viii) Surface engineering of steels: basics & advances
- (ix) Machine learning methods in characterization of viscoelastic properties of materials
- (x) Nanomaterials: Past, Present & Future
- (xi) Characterization of Materials

About MNIT Jaipur

Malaviya National Institute of Technology Jaipur formerly known as Malaviya Regional Engineering College was established in 1963. On 15th August 2007, the institute proclaimed the status of the 'Institute of National Importance' through the Act of Parliament. The institute is fully funded by the Ministry of Human Resource Development (MHRD), Government of India. The institute offers undergraduate and postgraduate courses (B.Tech., B. Arch/ M.Tech./ M.Planning/ MBA/ M.Sc. & Ph.D.) to about 4500 students, in leading fields of engineering, architecture, sciences, management, humanities, social sciences, etc. In addition to regular teaching, the institute is actively engaged in research, consultancy and developmental activities.

About the Department

Department of Metallurgical and materials Engineering is one of the oldest departments established in 1965. The department offers B.Tech and M.Tech in two specializations, Metallurgical and Materials Engineering and Steel Technology and PhD Programmes. The UG and PG programmes of the department are NBA accredited. The department has received total sponsored funding of Rs. 439 lakhs during 2015-2020.

Key Resource Persons

We have eminent key resource persons who are leading experts with significant contributions in their areas of research.



Dr. Kallol Mondal
Professor, IIT Kanpur



Dr. Nikhil Gupta
Professor
New York University



Dr. Pankaj Poddar
Sr. Principal Scientist
CSIR- NCL, Pune



Dr. K Gopala Krishna
Sr. Principal Scientist
CSIR-NML, Jamshedpur



Dr. Rahul K Verma
Head-Product Application
Research Group
Tata Steel Ltd., Jamshedpur



Dr. Debasis Chandra
Associate Professor
NIT Rourkela



Dr. Santosh Hosmani
Associate Professor
IIT Indore



Dr. R. K. Goyal
Professor
MNIT Jaipur



Dr. Anup Keshri
Associate Professor
IIT Patna



Dr. Vinod Kumar
Assistant Professor
IIT Indore



Dr. Rajeev Agrawal
Associate Professor
MNIT Jaipur



Mr. Rajinikanth Veerappan
Principal Scientist
CSIR-NML, Jamshedpur



Dr. Abhinav Varshney
Assistant Professor,
NIT Bhopal