

## About MNIT Jaipur

Malaviya National Institute of Technology (MNIT), Jaipur is one of the premier NITs designated with the status of "Institute of National Importance" by MHRD located in a central location in Jaipur city and spread over 325 acres of lush green area. This institute was established in the year 1963 as a joint venture of the Government of India and Government of Rajasthan. The college was inspired by the great educationist and freedom fighter Pt. Madan Mohan Malaviya and thus named as Malaviya Regional Engineering College (MREC). The institute was upgraded to a National Institute of Technology and was declared deemed university on June 26, 2002. Since then, the Institute started offering B. Tech. (Bachelor of Technology) degree instead of B.E. (Bachelor of Engineering) degree. MREC now known as MNIT, aims to set higher standards of academics to become a world class institute.

## About Metallurgical & Materials Engineering Department

Department of Metallurgical and Materials Engineering is one of the oldest departments established in 1965. The department offers B.Tech, M.Tech and Ph.D program in all frontiers areas globally. The basic motto of department is to provide quality education through its highly qualified and experienced faculty members. The faculty is continuously motivated to keep abreast with state-of-the-art technology. Alumni of this department hold important position in academia, R&D organizations and industries in India as well as international level. Students of this department are certain to have bright career prospects in India as well as globally due to recent ambitious growth plans of ferrous and non-ferrous sectors, and great quest for high-tech materials worldwide.

## PATRON

Prof. Uday Kumar Yaragatti

Director, MNIT Jaipur

## Coordinators

Dr. Rajendra Kumar Duchaniya

Prof. Upender Pandel

Dr. Vijay N.N.

Dr. Krishna Kumar

## Contact Person

**Dr. Rajendra Kumar Duchaniya**

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

J. L. N. Marg, Jaipur-302017

Mobile:9549654246

Email: [rkduchaniya.meta@mnit.ac.in](mailto:rkduchaniya.meta@mnit.ac.in)



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New Delhi**

## MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

**AICTE Training and Learning (ATAL) Academy**

**Five Days**

**Faculty Development Program (FDP)**

**on**

**Novel Materials**

**(04 - 08, January, 2021)**



**Organized by**

**Department of Metallurgical & Materials Engineering  
Malaviya National Institute of Technology Jaipur  
J. L. N. Marg, Jaipur-302017**

## Faculty Development Program

The aim of this Faculty Development Program is to bring together professional, scientists, stakeholder from academia, industry and other organizations and to establish coordination among them. The FDP endeavors to discuss about new advance challenges and prospects in advancement of nanotechnology covering fields from theory and experiments to applications of advance materials. This program provides the in-depth knowledge of applications of nanomaterials in the different fields.

## Course Content

- Basic Concept of Novel Materials
- High Entropy Alloys
- Shape Memory Alloys
- Nano Materials
- Bio-Materials
- Electronics Materials
- Nano Composites
- Synthesis and Characterization of Nanomaterials
- Fullerenes, Carbon Nanotube and Graphene
- Nanofluid Preparation and Property Measurements
- Miscellaneous Applications of Novel Materials

## Resource Persons

Faculty members from IITs, NITs, Universities & Industries.

## Key points for participants

1. The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

2. Participants may register and join this course using link: <https://www.aicte-india.org/atal> OR

<https://atalacademy.aicte-india.org/signup>

3. No registration fee for the participants. A test shall be conducted at the end of the program and participants will be awarded a certificate of participation by ATAL Academy. The certificate shall be issued to those participants who will have minimum 80% attendance and will score minimum 60% marks in the test.

4. E-certificate will be provided by ATAL Academy after successful completion of FDP.

**Last Date of Registration: December 25, 2020.** (Limited Seats Available). Registrations accepted will be based on First Come First Serve Basis.

