



MNIT

Malaviya National Institute of
Technology Jaipur

Online Short Term Course

On

Emerging Materials: Properties, Applications and Characterizations

August 27-31, 2020 (5 Days)

Organized by

Department of Metallurgical &
Materials Engineering,
MNIT Jaipur

Sponsored by

TEQIP III

Patron

Prof. Udaykumar R Yaragatti
(Director, MNIT Jaipur)

Convenor

Prof. R. K. Goyal
Professor & Head
Metallurgical & Materials Engineering

Coordinators

Dr. Kunal Borse
Assistant Professor
Met. & Mat. Engg.

Dr. B. M. Mundotiya
Assistant Professor
Met. & Mat. Engg.

Objective

Materials Science is a very vast and interdisciplinary field, consisting of various segments in which intensive research is going on from several decades. The research and development activities in this field have led to many novel inventions leading to the marvelous progress in the technology. Thus the main motive of this program is to introduce students (UG, PG and Ph.D.) and Professionals working in the fields of Metallurgy, Materials Science, Physics, Mechanical Engineering, Energy, Nanotechnology etc., to the Emerging Materials in various fields, their properties, applications and commonly used characterization methods for those particular applications.

Contents

The online short-term course will focus on the following areas with respect to the emerging and novel materials, their properties and commonly used characterization methods. Following areas will be at the heart of this program

- * Photovoltaics
- * Bio-materials
- * Energy Storage
- * Nano-materials
- * Functional Polymeric Membranes

Registration Process

- Limited Seats
- Shortlisting Criterion: First-cum-First Serve basis
- **Registration Fees: INR 118 /- (Including 18 % GST)**
- **Registration Fees payment should be made to the following:**
The Registrar MNIT, Jaipur (TEQIP Phase III)
A/C No.: **36875887782** , Bank: State Bank of India
Branch: MNIT Campus Jaipur, IFSC: SBIN0015921
- **Last date to register: 25th August, 2020, 05:00 pm**
- Payment should be done before filling registration form
- **Please click on the link below for registration :**
<https://forms.gle/GJ45vo3ZQbtXi8Kh6>
- The Participants will be awarded with an **e-certificate.**

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.

All correspondence regarding registration may be made to:

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Key Resource Persons

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- **Dr. Ramakant Sharma**
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- **Dr. Manoj Jangid**
Indian Institute of Technology Bombay
- **Dr. Nitesh Kumar**
NIT Hamirpur (H.P.)
- **Dr. Shashi Bhushan Arya**
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