

**Online Short Term Course  
on  
Mechanical Behaviour of  
Advanced Engineering  
Materials**

**(Date: 22<sup>nd</sup> – 26<sup>th</sup> September, 2020)**



**Organized by**

**Department of Metallurgical and  
Materials Engineering  
Malaviya National Institute of  
Technology Jaipur  
J.L.N. Marg. Jaipur– 302017  
Rajasthan-India  
<http://www.mnit.ac.in/>**

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**Prof. Udaykumar R. Yaragatti  
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- **Prof. Rajendra Kumar Goyal,  
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- **Prof. Upender Pandel,  
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- **Dr. Rajendra Kumar Duchaniya,  
Associate Professor**

**Coordinators**

- **Dr. Krishna Kumar,  
Assistant Professor**
- **Dr. Manjesh Kumar Mishra,  
Assistant Professor**
- **Dr. Rajesh Kumar Rai,  
Assistant Professor**

**About MNIT Jaipur**

Malaviya National Institute of Technology (MNIT) Jaipur is one of the NITs established by Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology and on August 15, 2007, proclaimed Institute of National Importance through Act of Parliament. MNITJ campus spreads over 325 acres of lush green area in the prime location of Jaipur city. The institute offers various academic activities in addition to research, consultancy and development. The Institute offers UG and PG (M. Tech./M.Sc. & Ph.D.) level courses to about 5000 students in almost all leading fields of engineering, technology, management, and sciences. MNIT Jaipur ranked at 35th position in NIRF 2020 Ranking.

## About the Department

Department of Metallurgical and Materials engineering is one of the oldest department established in 1965. The department offers B. Tech and M. Tech and PhD Programme in all frontier areas globally. The UG and PG programmes of the department are NBA accredited. The basis motto of the department is to provide quality education through highly qualified and experienced faculty members. The department has received total sponsored funding of Rs. 439 lakhs during 2015-2020.

## Course Content

- Mechanical Evaluation of High Temperature Engineering Materials
- High Temperature Deformation Processing of Titanium Alloy
- Low Cycle Fatigue
- Creep-Fatigue Interaction of Ultra Super Critical Power Plant Material
- Role of Texture on Mechanical Behaviour
- Mechanical Deformations and Determining Stable and Unstable Zones using Processing Map
- Role of Microstructure on Mechanical Properties

## Key Resource Persons

- **Prof. Satyam Suwas**, Professor, Chairman, Dept. of Materials Engineering, IISc Bangalore
- **Dr. I. Balasundar**, Head Dept. of Advanced Materials and Manufacturing Processes, DMRL, Hyderabad
- **Dr. Ing. JK Sahu**, Senior Principle Scientist, MTE Div., CSIR-NML, Jamshedpur.
- **Prof. Rajesh k. Khatirkar**, Associate Professor, Department of MME, VNIT Nagpur
- **Dr. Apparao Chintha**, Researcher, TATA Steel Jamshedpur
- **Dr. R. K. Singh**, Scientist, ISRO
- **Dr. Abhishek Tiwari**, Assistant Professor, Department of MME. IIT Ropar
- **Dr. Nitish Bibhansu**, Oak Ridge National Laboratory, USA
- **Dr. Sravya Tekumalla**, NTU Singapore

## Registration Fees

Registration is open to faculty members in all disciplines Post Doctoral Fellows, Research Scholars, PG and UG students.

Register by clicking:

<https://forms.gle/cBbkXRzFqnr8pmTA> and submit the form.

• **Registration Fees: INR 118 /- (Including 18 % GST)**

• **Mode of Payment: NEFT/IMPS-  
The Registrar MNIT, Jaipur  
(TEQIP Phase III)  
A/C No.: 36875887782 ,  
IFSC: SBIN001592 (SBI, MNIT)**

## Contact Persons

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