

**Self-Financed
Short Term Course
(Hybrid Mode)**

on

**Advances in
Composite Materials: Design
Manufacturing &
Applications
(ACM-DMA: 2023)**

June 28-July 02, 2023

For

Faculty members of Engineering Colleges,
Research scholars, Students, Industry
personnel and Scientists

Coordinators

**Dr. R. K. Patel, Dr. V. R. Komma
Dr. M. K. Gupta, Dr. Binayaka Nahak &
Dr. Roshan Kumar Hota**



Organized by

**Department of Mechanical Engineering
Motilal Nehru National Institute of
Technology Allahabad, Prayagraj- 211004**

Organizing Committee

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Director, MNNIT Allahabad

Chair Person: Prof. K. N. Pandey

Head, MED, MNNIT Allahabad

Coordinators: Dr. R. K. Patel, Dr. V. R. Komma,
Dr. M. K. Gupta, Dr. Binayaka Nahak
& Dr. Roshan Kumar Hota

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Important dates:

Start of Registration 01.05.2023
Deadline of Registration 15.06.2023
Intimation about selection: 20.06.2023

Registration form

**Advances in Composite Materials: Design,
Manufacturing & Applications
(ACM-DMA: 2023)
[June 28-July 02, 2023]**

Name:
Designation:
Department:
Institute:
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Address:
.....
Email:
Phone No:
Mobile Nos:
Qualification:
Area of specialization:
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Prior exposure to composites:

Payment Details:

Amount in ₹.....
Transaction ID (in case of online transfer).....
Date of Transaction.....
(Please enclose transaction slip)
Sponsored by.....
Name.....
Designation.....
Organization.....

Signature of applicant

Recommendation

(Signature of Head of the Institution/
Head of the Department with seal)

About the Institute

MNNIT Allahabad is committed to quality and excellence in academic pursuits. It was established as Motilal Nehru Regional Engineering College (MNREC) in the year 1961 as a joint enterprise of the Government of India and the Government of Uttar Pradesh. MNREC was transformed into National Institute of Technology fully funded by the MHRD in 2002. The institute offers B.Tech., M.Tech., Ph.D., M.C.A., M.B.A., M.Sc., M.S.W. degrees in various disciplines of sciences, engineering, technology and humanities.



About the Department

The Department of Mechanical Engineering is one of the oldest (started in 1961) and the largest department in terms of faculty, students and activities at MNNIT Allahabad. The department offers B.Tech, M.Tech. and Ph.D. programs with a wide choice of specializations, electives and research areas. The department is running five M.Tech programs with specialization in -

- Computer Aided Design and Manufacturing
- Design Engineering
- Production Engineering
- Product Design and Development
- Thermal Engineering.

The department of Mechanical Engineering was the first to start a Ph.D. program at MNREC as early as 1970. More than 100 PhDs have been awarded from this department till date and another 50 are currently ongoing.

About Prayagraj

Prayagraj city is situated on the confluence of the three pious rivers namely Ganga, Yamuna and the mythological Saraswati. The city is well connected with rail, road and air. It is situated on the Delhi-Howrah rail link and NH-2. Local transport is available in the form of Taxies, City buses and Auto - rickshaws.

Objective

Over the recent decades, instead of traditional materials, the applications of composite materials are continuously increasing in the automobile, aerospace, construction, marine, medical and military sectors. This is due to their advantages such as high strength-weight ratio, high stiffness and cost effectiveness. The objective of this self financed Short Term Course (hybrid mode) is to create awareness amongst the faculty members, research scholars, students and industry personnel about the recent developments in the area of composites. The participants will be able to clear their doubts and possibly gain a new topic for their research. The lectures will be delivered by distinguished experts of their field. The short term course will include lectures, lab visits, conduct of experiments and Prayagraj tour.

Short term course topics:

- Introduction, processing, characterization and applications of composites
- Introduction, processing, characterization and applications of Bio and nano-composites
- Characterization using UTM, SEM, XRD, AFM, DMA etc.
- Advanced manufacturing of composites
- Modeling, simulation & optimization
- Hands on practice of fabrication, 3D printing, testing and characterization of composites

Course Material

Course material will be provided to the participants in the form of slides & lecture notes.

Expert Speakers

Experts in the area of composites will be invited primarily from MNNIT Allahabad, as well as IITs, NITs, industry and other reputed institutions.

Number of seats: 60

Accommodation: The participants may be provided accommodation in the institute guest house and/or hostels on twin-sharing basis, depending on the availability and on a nominal payment basis as per actual. Accommodation can also be booked in nearby hotels directly or through prior information to organizers.

Registration Fee:

Students (UG/PG/Ph.D.):	₹ 2500
Faculty from academic institutions:	₹ 3000
Industry persons/Scientists:	₹ 3500
Participants (Online):	₹ 1000

Registration fee is exclusive of GST (18%)

Registration fees includes: Program kit, lunch, tea and local visits.

Mode of payment:

Participants can make payment by deposit the registration fee in the name of NON FORMAL CONTINUING OF EDU as per the following details: A/c No: 10424975574, Bank Name: SBI, Branch: MNNIT Allahabad, IFSC Code: SBIN0002580 .

Spot payment is also admissible but only after prior approval from the organizers.

Address for correspondence:

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