

**TEQIP II Sponsored
Short Term Course**

on

**ADVANCES IN
COMPOSITE MATERIALS
(ACM-2016)**

October 21-26, 2016

For

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

Coordinators

**Dr. Mukul Shukla
Dr. Manoj Kumar Gupta**



Organized by:

**Department of Mechanical Engineering
Motilal Nehru National Institute of Technology
(MNNIT) Allahabad, Allahabad - 211004**

Organizing Committee:

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Director, MNNIT Allahabad

Chair Person: Prof. Rakesh Narain
Head, MED, MNNIT Allahabad

Coordinators: Dr. Mukul Shukla &
Dr. Manoj Kumar Gupta

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Dr. Pragya Shandilya, MED, MNNIT Allahabad
Er. Binayak Nahak, MED, MNNIT Allahabad

Important dates:

Receipts of application/payment: 17.10.2016
Intimation about selection: 18.10.2016

Registration form

**ADVANCES IN COMPOSITE MATERIALS
(ACM-2016)**

[October 21-26, 2016]

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

Payment Details:

Amount in Rs.....
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. 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 85 PhDs have been awarded from this department till date and another 77 are currently ongoing.

About TEQIP

The Technical Education Quality Improvement Programme (TEQIP) of Government of India aims to build capacity of Technical Education policy planners, administrators and implementers at Central, State and Institutional level for effective implementation of Institutional Reforms (academic and non-academic), and introduce and sustain innovative systemic quality improvement practices.

Various conferences and short term courses have been organized under the auspices of TEQIP at MNNIT.

About Allahabad

Allahabad 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 1 week course is to create awareness amongst the faculty members, research scholars, students and industry personnel about the recent development 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 Allahabad tour.

Short term course topics:

- Processing, Characterization and applications of PMC, MMC and CMC
- Processing, Characterization and applications of nano-composites including Molecular Dynamics (MD) Simulation
- Advances in natural fibre reinforced polymer composites
- Characterization techniques using UTM, SEM, XRD, AFM, DMA etc.
- Abaqus software based Finite Element modeling, analysis (FEM / FEA) and design of composites
- Hands on experiments on fabrication, testing and characterization of composites

Course Material

Course material will be provided to the participants in the form of slides, lecture notes, software and e-books.

Faculty

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

Number of seats: 60

Accommodation: The participants may be provided accommodation in the institute guest house and/or hostelson 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.):	Rs. 1500
Facultyfrom academic institutions:	Rs. 2500
Industry persons/Scientists:	Rs. 3500

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

Mode of payment:

Participants can make payment by deposit the registration fee online in Account No. 718400301000214 of Vijaya Bank MNNIT Allahabad (Branch Code: 007184; MICR Code: 211029004; IFSC Code: VIJB0007184).

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

Address for correspondence:

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