

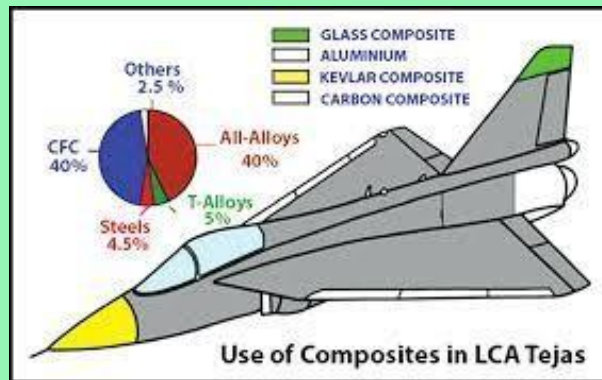
Faculty Development Program [Hybrid Mode]

on

PROGRESS IN COMPOSITE MATERIALS & APPLICATIONS

(PCMA-2025)

April 21-25, 2025



For

Faculty, research scholar of Engineering Colleges,
Universities, Industry
personnel and Scientists



Organized by

Department of Mechanical Engineering
Madan Mohan Malaviya University of
Technology Gorakhpur- 273010, U.P.

Organizing Committee

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Honorable Vice - chancellor,
MMMUT Gorakhpur
- Chairman:** Prof. Sanjay Mishra
Head, MED, MMMUT Gorakhpur
- Coordinators:** Prof. Jeeoot Singh,
Dr. M. K. Gupta
Mr. Sunil Kumar Yadav

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- ❖ Dr. Prashant Saini, MMMUT Gorakhpur
- ❖ Dr. Dheerendra Singh, MMMUT Gorakhpur

Speakers

Eminent subject experts from Foreign Universities, IITs, NITs, MMMUT Gorakhpur and other reputed organizations will conduct the sessions.

Course Objective

In recent decades, the use of composites has significantly expanded across various sectors, including automotive, aerospace, construction, marine, medical, and military industries, surpassing traditional materials. This growth is driven by their unique advantages, such as a high strength-to-weight ratio, superior specific stiffness, cost efficiency, and environmental sustainability. This one-week Faculty Development Program (FDP) aims to enhance awareness among faculty members, research scholars, students, and industry professionals about the latest advancements in composite materials.

Course Highlights: Hands on processing and technical paper writing, testing and characterization of composites including design of experiments and 3D printing.

Course Material

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

Topics

- Introduction, processing, characterization and advanced applications of PMC, MMC, Bio composites, green composites and nanocomposites.
- Overview of composites manufacturing, FEM, design and analysis of experiments and plastic 3D printing.
- Overview and hands on experience of composite coupon preparation.
- Research methodology and technical paper writing.

Important dates:

Receipts of application/payment: 10.04.2025

Intimation about selection: 15.04.2025

Registration Fee (offline)

- Students (PG and Doctoral): Rs. 750
- Faculty from academic institutions: Rs.1000
- Industry people/Scientists: Rs.1500
- For Online participant Rs 500

Registration fees include Program kit, tea and local visits.

About the MMMUT

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in the year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating, teaching and research University after reconstructing the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University offers 9 undergraduate programs in the various disciplines along with 17 postgraduate programs in various specializations and provides facilities for the Doctoral programs in all the 11 academic departments. The university has been accredited with an A grade by NAAC. The National Institutional Ranking Framework (NIRF) ranked the university 84th in Engineering and 94 in University category.



About Mechanical Engineering Department

The department of Mechanical engineering came into existence in the year 1962, the year of inception of the college. It is a major and pioneer department of the college, imparting instructions leading to the bachelor's degree in mechanical engineering and Master's degree in Computer Integrated Manufacturing (CIM). The department offers Ph.D. courses also. Since its inception

the department has actively participated in teaching, training, design, development, research and extension activities. The department has brought out graduates, postgraduates and Ph.D.s who have excelled in every field; they have gone to and have brought laurels to the college.

About Gorakhpur

Gorakhpur is a city in the Indian state of Uttar Pradesh, along the banks of the Rapti river in the Purwanchal region. It is situated 272 kilometers east of the state capital, Lucknow. The city is home to the Gorakhnath Math, a Gorakhnath temple. The city also has had an Indian Air Force station since 1963. Gita Press, the world's largest publisher of Hindu religious texts like Ramayana and Mahabharata, has been established here since 1926. The city is renowned for its academic excellence and is well connected with air, rail and road.

Number of seats: 40

(Preference will be given to outside-station participants)

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

Mode of payment

Participants can deposit the registration fee online with following details:

Account No.: 33542824744, IFSC code: SBIN0002578,
Bank Name: SBI MMMUT, Gorakhpur

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

Contacts:

Dr. M. K. Gupta [9454029454]
Mr. Sunil Kumar Yadav [9235552353]
Email: pcma2025mmmud@gmail.com

Registration form

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April 21-25, 2025

Name:.....
Designation:.....
Department:.....
Institute:.....
.....
Address:.....
.....
Email:.....
Phone No:
Qualification:.....
Area of specialization:
.....
Prior exposure to composites (optional):
.....

Payment Details:

Amount in Rs.....
Transaction ID (online transfer)
Date of Transaction.....
(Please enclose transaction slip)

Signature of applicant

Recommendation

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

Fill the following form after online payment:
<https://forms.gle/FTP46xz424eh2Gv27>