

ABOUT UNIVERSITY

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating, teaching and research University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur. MMM Engineering college was established in the year 1962. Fifty-Four batches of students have entered its portals to emerge after four years of rigorous education under the tutelage of some of the most venerable teachers, engineers ready to face the world and create new worlds. The University is located in the Gorakhpur -Deoria road about 9 Km away from Gorakhpur Railway Station. In addition to UG in Civil Engineering, Chemical Engineering, Computer Science & Engineering, Mechanical Engineering, Electrical Engineering and Electronics & Communication Engineering, Information Technology, University also offers MCA, BBA, MBA, M. Tech, M.Sc. and Ph.D. courses in various specializations.

ABOUT DEPARTMENT

The Department of Physics and Material Science was established on 22nd June, 2019. Which has been inaugurated by Shri Yogi Adityanath Ji Maharaj, Hon'ble Chief Minister of Uttar Pradesh. Previously, it has been the constituent part of Department of Applied Sciences. The erstwhile Madan Mohan Malaviya Engineering College, Gorakhpur, which was started in 1962, by the then Government of Uttar Pradesh to foster technical education, has been upgraded as Madan Mohan Malaviya University of Technology, Gorakhpur on 1st Dec. 2013 by the UP-Government Act (22). The department of Physics and Material Science has been founded for imparting high quality education through the programs; B. Tech in Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Information Technology, Mechanical Engineering and M.Sc. in Physics with specialization in electronics. The main objective of the department is to disseminate knowledge in the area of Physics and Material Science, in order to promote the implementation of practical aspects related to it and to build a solid foundation of physics for science and engineering graduates. The department offers Ph. D. degree in Physics, with an objective to produce trained and skilled human resources; who can take the challenges to cater the need of the society. The research is focused to thrust areas as: Con-densed Matter Physics, Solar Energy Physics, Thin Films, Opto-electronic Materials and Devices, Fiber Optic Sensors, Solar Cell, Energy Storage, Applications of Nanomaterial, Micro & Nano-fluids, Molecular Simulation etc.

ABOUT FACULTY DEVELOPMENT PROGRAMME

The objective of the programme is to up-grade the knowledge and to enhance the skills of teachers employed in various disciplines of science with a special focus on soft and functional materials, as it is the core of all science and engineering subjects. The FDP will cover common areas of interest to cater the need of faculty members across various disciplines. The academia, researchers and experts from industries will deliver talks to cover various aspects of soft and functional materials and explore their findings on novel functional properties of materials. Deliberations on computational methods such as molecular simulations, density functional theory and other emerging techniques will help faculty members to solve real problems in their respective fields. The FDP will focus on experimental, theoretical and simulation methods currently being widely used by leading scientists of the world. Many fold advancement in new experimental tools and techniques is leading to the exponential growth of science. Computational techniques help us to find new pathways. These methods and techniques give molecular scale insights into the problems, and help scientists to unravel new microscopic phenomena. The amalgam of academia, scientists and researchers from central universities, NIITs & IITs and other research organizations/ industries will offer participants an opportunity to interact with them.

Topics Covered : Soft Materials: Synthesis Methods and Characterization, Applications, Functional Materials: Synthesis and Characterization, Applications, Bottom-up and Top-down Approaches, Novel Characterization Tools & Techniques, Transformation of ideas in making devices, Challenges due to the scalability, Current and future needs for Soft and Functional materials, Technology for mankind: Biomedical Applications (Imaging and drug delivery), Computational Methods and Techniques: Molecular Dynamic Simulation and Density Function Theory, Nanoscale Phenomena

Target Audience: Regular and guest faculty members, Research Scholars in AICTE/UGC recognized institutions

Regular and Guest Faculty 30 Research Scholars 30

Faculty Development Programme on Emerging Trends in Soft and Functional Materials

(ETSFM-2023)

11 - 15 December, 2023

Programme Convener

Dr. S. P. Singh

Programme Chairman

Prof. D. K. Dwivedi

**Department of Physics & Material Science
MMM University of Technology**

Patron

Prof. J. P. Saini

**Hon'ble Vice Chancellor
MMM University of Technology
Gorakhpur, UP, India
Organized by**



**Department of Physics & Material Science
Madan Mohan Malaviya University of Technology
Gorakhpur-273010, (U.P) INDIA**

Organizing Committee:

Patron

Prof. J. P. Saini
Hon'ble Vice Chancellor
MMM University of Technology
Gorakhpur

Chairman

Prof. D. K. Dwivedi
Head, Department of Physics and Material
Science

Convener

Dr. Satya Pal Singh

Faculty Members

1. Prof. B K Pandey (Ex-head PMSD)
2. Dr. Pradutt K Bharti (Guest Faculty)
3. Dr. Abhishek K Dwivedi (Guest Faculty)
4. Dr. Surya Kant Singh (Guest Faculty)

Staff Members

1. Jakir Hussain (Office Assistant)
2. Aditya Paswan (Lab Staff)
3. Arvind Pandey (Lab Staff)

Student Members

1. Dr. Archana Kumari Singh
2. Ms. Shweta Agrahari
3. Laxmi Jaiswal
4. Yashwant Kumar Singh
5. Ayush Yadav
6. Ayush Kumar Yadav
7. Himanshi Chauhan

APPLICATION FORM

ONE WEEK

FACULTY DEVELOPMENT PROGRAMME
EMERGING TRENDS IN SOFT &
FUNCTIONAL MATERIALS
(ETSFM-2023)

11-15 December 2023

1.Name(Block Letter):.....

2.Designation& Pay-scale:.....

3.Organization:.....

4 .Address for communication:.....

Pin code: Ph. No.

5. Whatsapp No:

6. E-mail:.....

7. Highest Academic Qualification:.....

8..Specialization:.....

9. Experience(in years:

(a) Teaching:.....

(b) Industrial:.....

10. Accommodation Required (Yes/No):.....

11. Registration Fees Details (DD/Transaction Id/Date)

Place:

Date:

Applicant's Signature

Seal and Signature of Head of Institution

Submission of Registration Form

Interested participants must submit their duly filled and signed form on given format to the following address:

Dr. Satya Pal Singh (Convener)

ETSFM-2023

AS-205, Department of Physics & Material Science
MMM University of Technology
Gorakhpur
Uttar Pradesh
India-273010

Email: singh.satypal.pmsd@gmail.com

Contact No. 9450422506, 8765783656

* A duly filled and signed scanned copy of the application can also be sent via email given as above.

Last date for

Submission of Registration form : (30 November 2023)

Registration Fees:

Regular Faculty Members: 1200 Rs.

Guest faculty/Research Scholars: 500 Rs.

The payment for the registration fees can be made in the form of demand draft drawn in favour of "MMM University of Technology" payable at Gorakhpur or via Net Banking through detail given below A/C No. : 33542824744 Bank Name:SBI Branch Name: MMMEC Gorakhpur IFSC code : SBIN0002578 Branch Code : 2578

NOTE: The applicants will be shortlisted on first come first serve basis. Limited accommodation for outside participants are available on payment basis. Expenses for accommodation in nearby hotels or university guest house will be borne by the participants.