

Patron

Prof. J. P. Pandey
Hon'ble Vice Chancellor
Madan Mohan Malaviya University of
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Convener

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Coordinators

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Dy coordinator

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About Faculty Development Programme

The main objective of this faculty development programme is to enhance awareness about the basics of some mathematical software such as Mathematica, Matlab, R, Magma, SAGE, Mapple, and GAP. Further, there will be a separate session on LaTeX, which is a high-quality typesetting system; it includes features designed to produce the technical and scientific documentation. There will be Expert talks on some recent advances on Applied Mathematics. After successful completion of this FDP participants will develop a basic understanding of key component of these software and will be able to typeset scientific documents. During this program, the participants will interact, exchange their ideas which will strengthen their knowledge.

Course content

The focus area will include but not limited to

- * Software such as: Mathematica, SPSS, SAGE, Mapple, Matlab, Magma, GAP, LaTeX etc., Operation Research
- Differential Equations, Functional Analysis, Mathematical Modelling, Linear and Abstract Algebra, Coding Theory.

About Gorakhpur

The Gorakhpur is well connected by road and rail to all major cities Lucknow (270 Km), Varanasi (197 Km) and Patna (220 Km). Direct flights are also available from New Delhi, Mumbai, Bengaluru, Kolkata, Prayagraj, Lucknow to Gorakhpur. The MMM University of Technology is situated on Deoria road about 9 Km from Gorakhpur Junction and 5 Km from the Gorakhpur airport.

List of Experts

1. Prof. Shalabh, IIT Kanpur
2. Prof. Sandip Banerjee, IIT Roorkee.
3. Prof. Pankaj Mathur, Lucknow University.
4. Prof P.K. Rai, BHU, Varanasi.
5. Prof. Malay Banerjee, IIT Kanpur
6. Prof. Om Prakash, IIT Patna.
7. Prof. Meena Sahai, Lucknow Univewrsity, Lucknow
8. Prof. R. K. Sharma , IIT Delhi, Delhi
9. Prof. Amit Verma, IIT Patna.
10. Dr. Subhash Khajanchi, Presidency University, Kolkata
11. Dr. V. K. Mishra, MMMUT, Gorakhpur
12. Dr. A. K. Barnwal, MMMUT , Gorakhpur
13. Dr. Harish Chandra, MMMUT, Gorakhpur
14. Dr. Jitendra Kumar, Central University of Jharkhand

M.M.M. University of Technology, Gorakhpur (U.P.)

One -week Faculty Development Programme

On

*Mathematical Tools and Recent Advances in Applied
Mathematics*

(MTRAM-2021)

August 16-20, 2021

Sponsored by

AICTE Training And Learning (ATAL) Academy



Organized by



**Department of Mathematics and Scientific Computing
Madan Mohan Malaviya University of Technology
Gorakhpur-273010 (UP), India**

Eligibility for Participation

Teachers from University/ Academics Institutions / Participants from Industries and Research Scholars.

Registration & Address for Communication

The applicants are requested to get themselves registered through the following link: <https://atalacademy.aicte-india.org/signup>



Mode of Conduct

Offline

Resource Persons

Experienced and Recognized Experts from IITs, NITs, Central/ State Universities and MMMUT Gorakhpur.

Address for Correspondence:

Coordinators

Dr. Harish Chandra *

Dr. Ram Keval[#]

Assistant Professor

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About University

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in year 2013 by Government of Uttar Pradesh in the form of a Non- Affiliating Technical University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. Fifty-five batches of students have entered its portals to emerge after 4 years of rigorous education under the tutelage of some of the most venerable teachers, engineers ready to face the world and create new world. In addition to UG and PG programs in Electronics and Communication Engineering, Computer Science & Engineering, Information Technology, Civil Engineering, Mechanical Engineering, Electrical Engineering Chemical Engineering, Physics , Mathematics, Chemistry and Humanities and management Science, University also offers MCA, MBA and Ph.D. courses in various specializations. The University is situated on state highway Gorakhpur-Deoria road about 8 km from Gorakhpur Railway and 5 Km from Gorakhpur air port. Website : <http://www.mmmut.ac.in>.

About The Department

The Department of Mathematics and Scientific Computing attained its present status of an independent department on 22nd June, 2019. Prior to this, department was constituent part of Applied Science Department, established in 1962. The department is committed to impart the effective teaching and quality research work in different areas of Mathematics and Scientific Computing. Presently department offers M.Sc. Mathematics (Specialization in Computing) and Ph.D. in Mathematics. Besides this, department also offer various courses of Mathematics to Undergraduate and Postgraduate students of different Engineering, Science and management Departments of the university. The faculty members of the department have expertise across areas of both pure and applied mathematics, such as Modern Algebra, Ring Theory, Operations Research, Inventory Control, Graph Theory, Numerical Analysis, Differential Equations, Special Functions and Mathematical modelling.

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REGISTRATION FORM

Full Name & Designation :

Organization :

Field of Specialization :

Official Address :

Email :

Mobile :

Educational Qualification :

Registration Categories: Academic/ Industry

Signature:

Last Date for Applying: August 10, 2021

Note:

* No fee for registration.

* E-Certificate will be given to those participants who will attend at least 80 percent of the sessions and submit assignments and feedback.

Madan Mohan Malaviya University of Technology, Gorakhpur (U.P), India

Online Faculty Development Program on

Mathematical tools and Recent Advances in Applied Mathematics

(MTRAM-2021)

(Sponsored by AICTE Training and Learning Academy ATAL)

August 16- 20, 2021

Organized by

**Department of Mathematics and Scientific Computing
Madan Mohan Malaviya University of Technology, Gorakhpur**

Tentative Program Schedule

Date	9:00-10:00	10.00 -11.30	11:30-12:00	12:00-13:30	13:30-15:00	15:00-16:30
16/08/2021	Inauguration	Session-1 (Key-note speech)	TEA- BREAK	Session-2 (Lecture by Academic Expert)	LUNCH-BREAK	Session-3 (Lecture by Academic Expert)
17/08/2021		Session-4 (Lecture by Academic Expert)		Session-5 (Lecture by Academic Expert)		Session-6 (Lecture by Academic Expert)
18/08/2021		Session-7 (Lecture by Academic Expert)		Session-8 (Lecture by Academic Expert)		Session-9 (Hands-on Training)
19/08/2021		Session-10 (Lecture by Academic Expert)		Session-11 (Hands-on Training)		Session-12 (Hands-on Training)
20/08/2021		Session-13 (Lab Session)		Session-14 (Lab Session)		Closing Ceremony Followed by Test and Feedback