



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A GOVT AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE AFFILIATED TO RGPV BHOPAL)

DEPARTMENT OF ENGINEERING MATHEMATICS & COMPUTING

e-Newsletter

January to March - 2022

visit us at: <http://mitsgwalior.in/departement/engineeringmathematics&computing>



“NUMBERS HAVE LIFE; THEY ARE NOT JUST SYMBOLS ON PAPER”

**** Shakuntla Devi ****

Vision

The Department of Engineering Mathematics & Computing was setup in 2020 to import knowledge of mathematics and computer science that serve the groom the academic potential of student and abreast with recent technological developments.

Mission

- ❖ To develop an ability towards critical questioning.
- ❖ To enhance logical attitude and aptitude ability.
- ❖ To nurture the computational aptitude on a global platform.



B. Tech. programme in Engineering Mathematics and Computing offers the opportunity to combine an appreciation mathematical thinking with knowledge of computing. Mathematics is a fundamental intellectual tool in computing, but computing is increasingly used as a key component in mathematical problem solving. The course concentrates on areas where mathematics and computing are most relevant to each other, emphasizing the bridges between theory and practice. It offers opportunities for budding scientist in the field of Mathematics & Computing.

PAPER PUBLISHED

- **Ray, Atul Kumar; Vasu, B.; Murthy, P. V. S. N.; Anwar Bég, O. A.**
Convective Flow of Non-Homogeneous Fluid Conveying
Nano-Sized Particles with Non-Fourier Thermal Relaxation:
Application in Polymer Coating,
Arabian Journal for Science and Engineering,
12, 1-8, 2022 (SCI, Impact Factor – 2.334)
- **Tanwar, D. V.; Ray, Atul Kumar; Chauhan, A.**
Lie Symmetries and Dynamical Behavior of Soliton Solutions
of KP-BBM Equation, **Qualitative Theory of Dynamical Systems**,
21(1), 1-14, 2022 (SCI, Impact Factor-1.419)

**Paper Presented in Conference**➤ **Divya Chaturvedi**

Role of salinity on the dynamics of two competing populations in an aquatic ecosystem: effect of pollution, 37th Annual National Conference of The Mathematical Society-Banaras Hindu University on Modern Mathematics and its Applications, Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi.

ATTENDED WORKSHOP/ WEBINAR/ FDP

- **Dr. Divya Chaturvedi attended online International symposium** on “Differential Geometry and its application” during March 30-31, 2022 organised by School of Science, Maulana Azad National Urdu University, Hyderabad, India.
- **Dr. Minakshi attended 5-day Workshop** “Business Plan Preparation” on 24/03/2022-28/03/2022, organised by TIIC and ABV-IIITM Gwalior, India
- **Dr. J. K. Muthale, Dr. Divya Chaturvedi, Dr. Minakshi & Prof. Angad Singh Ojha attended Workshop** “Intellectual Property Awareness” on 7-Jan-22 organised by MAC, MITS in Collaboration with Intellectual Property Office, India.
- **J.K. Muthale, FDP on** Research Methods in Economics using sata Software, 02-06, Marhch 2022, College of Business and Economics, Mizan- Tepi University, Ethiopia
- **J.K. Muthale, Workshop on** “Basic Computing with Matlab”, 23- Jan. - 13 Feb. -2022, MTTF- Society of Computing Intelligence, INDIA
- **Dr. Divya Chaturvedi, Dr. Minakshi, Dr. Atul Kumar Ray,** Online Short term course (STC), Implementation of Numerical Methods using MATLAB, 03 Jan-08 Jan 2022, Department of Mathematics, IIT Indore
- **Dr. Divya Chaturvedi, attended workshop on** “Consumer Awareness: जागो ग्राहक जागो” on February 26, 2022, organised by Department of Electrical Engineering, MITS, Gwalior
- **Dr. Atul Kumar Ray and Dr. Divya Chaturvedi attended Online session** “Differential Equation on Time Scale” on 5th March, 2022, organised by The NorthCap University, Gurugram.

- **Dr. Minakshi, Dr. Divya Chaturvedi and Dr. Atul Kumar Ray attended Webinar** “Digital Financial Literacy and Financial Resilience” on 27 January 2022, organised by Department of Engineering Mathematics and Computing, MITS, Gwalior.
- **Dr. Minakshi attended Workshop** “Innovation in Design and Development of Hybrid Antennas for 5G Communications” on 29/01/2022-02/02/2022, organised by ABV-IIITM Gwalior, India.
- **Dr. Minakshi attended Workshop** “Enterprise Applications Development, Reliability and Security” on 05/02/2022-09/02/2022, organised by ABV-IIITM Gwalior, India.
- **Dr. Minakshi attended Workshop** “Innovations in IOT for Emerging Applications” on 12/02/2022-16/02/2022, organised by ABV-IIITM Gwalior, India
- **Dr. Minakshi attended ATAL FDP** “Faculty Development Program on Data Science” on 21/02/2022-25/02/2022, organised by J C Bose University of Science & Technology, YMCA, Faridabad
- **Prof. A.S. Ojha attended FDP** “Computing with MATLAB and LATEX software: Indispensable Tools for Researchers” on 05/01/2022-11/01/2022, organised by Department of Mathematics MIZAN -TEPI UNIVERSITY ETHIOPIA AND MTTF INDIA
- **Dr. J. K. Muthale attended Online session** “Web of Science Certificate” on 23/03/2022, organised by South & South- East Asia Saies.

WEBINAR/WORKSHOP ORGANIZED

S. No.	Eminent Speaker (s)	Co-ordinator	Name Of Event (Workshop/Webinar)	Title of Event	Date/Duration
1.	Ms. Prachi Prateeti and Ms. Varsha Garg	Dr. Atul Kumar Ray	One-day Online WEBINAR	“Intellectual Property Awareness” in collaboration with Intellectual Property Office	07/01/2022
2.	Ms Monika Singh (DSP)	Dr. Divya Chaturvedi	One-day Online Webinar	Cyber Case Study	11/02/2022
3.	Prof. Vishal Vyas	Dr. Minakshi	One-day Online workshop	Digital Financial Literacy and Financial Resilience	27/01/2022
4.	Quiz under Analytic Club	Dr. Divya Chaturvedi	One-day Online Webinar	Data Analysis and Technology	13/02/2022
5.	Quiz under Finance Club	Dr. Minakshi	One-day Online workshop	Union Budget 2022	30/03/2022

EXTRA ACHIEVEMENTS

- i) **Dr. D K Jain**, Delivered Talk on “Special Function”, 16/03/ 2022 organized by Department of Mathematics, Govt. P. G. College, Morena MP.
- ii) **Dr. Atul Kumar Ray**, Delivered Talk on “Research Methodology” Under IQAC, 31/03/ 2022 organized by Department of Mathematics and Computing, MITS Gwalior



DEPARTMENTAL ACTIVITY:

WEBINAR
on
IPR Awareness Programme
Organized by
Engineering Mathematics and Computing, MITS, Gwalior
in collaboration with
Office of the Controller General of Patents, Design & Trademarks
National IP Awareness Mission (NIPAM)

INTELLECTUAL PROPERTY INDIA
Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs & Trademarks

NIPAM
NATIONAL IP AWARENESS MISSION

IPR Awareness Programme
(Under National Intellectual Property Awareness Mission)

75
Azadi Ka
Amrit Mahotsav

Creative India; Innovative India

Date & Time
07 Jan 2021 Friday
04:00PM to 05:00 PM



DEPARTMENTAL EDITORIAL BOARD
DR. J. K. MUTHELE
DR. ATUL KUMAR RAY
SHAISHAV JOLLY SAXENA, MUSKAN RATHORE

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