



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

Jan - March - 2023

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



Johann Bernoulli
(1667-1748)

A quantity which is increased or decreased by an infinitely small quantity is neither increased or decreased.

- Johann Bernoulli

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.

PUBLICATIONS

PAPER PUBLICATIONS

- **Atul Kumar Ray**, Amit Kumar, Digvijay Tanwar, **Minakshi Poonia**, **Divya Chaturvedi**, “Impact of Chemical reaction on Stagnation Point Flow of Powell Eyring Fluid: HAM Analysis”, REST Journal on Advances in Mechanical Engineering, 2(1), 15-16, March 2023.
(doi.org/10.46632/jame/2/1/3).
- Aarti Pathak, Rajshree Mishra, **D.K. Jain**, Farooq Ahmad, Peer Javaid Ahmad: Integral Transform and Fractional Kinetic Equation, Innovare Journal of Engineering & Technology, Vol.10, Jan. 2023, pp. 8-11, ISSN 2347-1573
<https://innovareacademics.in/journals/index.php/ijet>
<https://doi.org/10.22159/ijet.2022.v10i1.46890>
- Altaf A. Bhat, M. Younus Bhat, H. Maqbool and **D.K. Jain**: Generating Functions of (p, q) -Analogue of Aleph-Function Satisfying Truesdell’s Ascending and Descending $F_{p,q}$ -Equation, J. Appl. Math. & Informatics Vol. 41(2023), No. 2, pp. 373 - 386, ISSN 2234-8417.
<http://jami.or.kr/out/04041645259703283.pdf>



WORKSHOP/FDP ATTENDED/ORGANISED

- i) **Dr. Atul Kumar Ray, Dr. Minakshi, Dr. Divya Chaturvedi**, “Online Lecture Series on “Nonlinear Dynamics and Applications” organized by the Department of Mathematics, **Indian Institute of Technology Indore**, INDIA, during 13-16th February, 2023.
- ii) **Dr. Atul Kumar Ray, Dr. Minakshi, Dr. Divya Chaturvedi**, “World is Full of Networks! An International Webinar on the Applications of Graph Theory”, by Sri H. D. Devegowda Government First Grade College, Paduvalahippe on 27th January 2023
- iii) **Dr. Atul Kumar Ray, Dr. Minakshi, Dr. Divya Chaturvedi**, Webinar on the topic “Application of Number Theory in Real Life” organised by the Department of Mathematics on March 19, 2023.
- iv) **Dr. Atul Kumar Ray, Dr. Minakshi, Dr. Divya Chaturvedi**, Faculty Development Programme on “Open Source Software Tools for Research” organized by Division of Mathematics, School of Advanced Sciences during 13 – 17 March 2023 at Vellore Institute of Technology, Chennai.

EXTRA ACHIEVEMENTS

- (i) **Dr. Atul Kumar Ray, Editorial board member of Journal “Applied and Computational Mathematics”** and the link of the editorial boards is - <http://www.acmath.org/editorialboard>.
- (ii) **Dr. Atul Kumar Ray, Reviewed Article in “Energy, Elsevier, SCI, I.F. – 6.3**
- (iii) **Dr. Atul Kumar Ray, Reviewed Article in “International Journal of Modern Physics C”, World Scientific, SCI, I.F. – 1.35**

ACHIEVEMENTS OF DEPARTMENT FACULTIES



Prof. (Dr.) Vikas P Shinde, HOD, Department of Mathematics received the Award for the great performance of MAC Department at Institute Level



Prof. (Dr.) D. K. Jain received award for his excellent teaching



Dr. Minakshi received award for her publication in SCIE Journal and for being topper in a SWAYAM NPTEL Course



Dr. Divya Chaturvedi received award for publishing an article in SCOPUS indexed Journal



Dr. Atul Kumar Ray received award for publishing 2 article in SCIE Indexed Journal

PARTICIPATION OF STUDENTS IN DIFFERENT EVENTS

Name	Enrolment Number	Semester	Name of the Event
Abhikar neekhra	0901MC211001	3rd	Science day event
Kartika kannojiya	0901MC211034	3rd	Stock quest
Govind Kushwaha	0901MC201024	5th	big shot- stock gro
Deepak Yadav	0901MC211023	3rd	Relevance of Gandhi Philosophy in present Global scenario

Certificate of Participation is given in below link:

https://drive.google.com/drive/folders/1tva2sx1bvBAAFCrWOl8l6W9dst9x2tNQ7pE_1YQvd8VBz3LUudS_kklFtelvdoP3b-IxUri?usp=sharing



Ayushi Bhargawa received Shaan-e-Gwalior award on the occasion of International Women's Day

PHOTO GALLERY





DEPARTMENTAL/INSTITUTIONAL SOCIAL MEDIA ACCOUNTS



<https://www.youtube.com/c/MITSLive>

Link: <https://youtube.com/channel/UCB4Z-cETRTnADvi-nXwwCXg>



Link: https://www.instagram.com/invites/contact/?i=1wta8dhr95ncp&utm_content=p8ctdpe



Link: <https://www.facebook.com/MitsMadhavIstituteOfTechnologyScienceGwalior>



Departmental Editorial Board
E-Newsletter Coordinator

Dr. Atul Kumar Ray and Dr. J. K. Muthele

Student Members: Shaishav Jolly Saxena, Muskan Rathore