



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

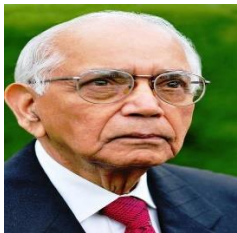
(A GOVT AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE AFFILIATED TO RGPV BHOPAL)

DEPARTMENT OF ENGINEERING MATHEMATICS & COMPUTING

e-Newsletter

April - June - 2022

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



**Calyampudi
RadhakrishnaRao**

C. R. Rao known as "A living Legend" with whom statistics has become an indispensable applied tool in all walks of life.

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/CHAPTER PUBLISHED

- **D. K. Mishra, Vikas Shinde and S. K. Bharadwaj**, A Convergence Study of Firefly Algorithm, International Journal of Research in Science & Engineering Vol.2, Issue 3, pp. 17-25, April 2022.

Book/Book Chapter

- **Jain; D. K., Ahmad, Farooq, Numerical Analysis**, Modern Approaches to Mathematics and Computer Sciences Volume-I, Vol- 1 Page 41-56, April, 2022

WEBINAR/WORKSHOP ORGANIZED

- ❖ **Dr. Atul Kumar Ray** conducted a Q & A Session on “Scope of Mathematics and Computing (MnC)”, 09/04/2022

ATTENDED WORKSHOP/ WEBINAR/ FDP

- ❖ **Dr. Atul Kumar Ray** attended Training program “IP Awareness/Training Program” on 26/04/2022, organized by Intellectual Property Office, India
- ❖ **Dr. Divya Chaturvedi, Dr. Minakshi and Dr. Atul Kumar Ray** attended and Qualified SWAYAM NPTEL Faculty Development Programme (FDP) course “*Computation Science in Engineering*” during session Feb-April 2022 organised by IIT Bombay.
- ❖ **Dr. Minakshi, Dr. Divya Chaturvedi and Dr. Atul Kumar Ray** attended and Qualified SWAYAM NPTEL Faculty Development Programme (FDP) course “*Transform Calculus and its application in Differential Equation*” during session Feb-April 2022 organised by IIT Bombay.
- ❖ **Dr. Atul Kumar Ray** participated in “Expert Talk on How to Write and File Patent” on April 29, 2022, organized by IQAC and Department of Electrical Engineering, MITS Gwalior, M.P., India

INVITED TALK

- ❖ **Dr. Atul Kumar Ray**, Delivered Talk on “Numerical solution of Fluid Flow Problem Using Homotopy Analysis Method”, 30/06/ 2022 organized by Department of Mathematics, Centurion University, Odisha.



DEPARTMENTAL ACTIVITY:

- ❖ **Prof. Vikas P. Shinde (Co-ordinator) and Dr. Atul Kumar Ray (Co-coordinator)** have submitted a proposal for conducting 2 Weeks Faculty Development Programme (FDP) to ATAL, 09/05/2022.

TECHNICAL WRITINGS BY STUDENTS OF THE DEPARTMENT:

- “*Cloud Computing*” by **Mr. Siddharth**, 0901MC201063, MAC 2nd Year
<https://drive.google.com/file/d/14xAHbSSBwVZn8OEUAX11uwakGPq1F18w/view?usp=sharing>
- “*Quantum Computers*” by **Miss Isha Mathe**, 0901MC201030, MAC 2nd Year
<https://drive.google.com/file/d/1uIEAymvjKtpfzm7DITWuWIXqnAESWvrD/view?usp=sharing>
- “*Standard Operation Procedure*” by **Mr. Sumit Singh Tomar**, 0901MC211062, MAC 1st Year
https://drive.google.com/file/d/1MKY7WhrgnmOAVTkm_jSnj2IXLIw57S0-/view?usp=sharing
- “*Block Chain Technology*” by **Miss Rakshita Vishwakarma (0901MC211050) and Mr. Rachit Bhargava (0901MC211048)**
https://drive.google.com/file/d/14yAo8_vBF02vozPTY6sB2xHtIX35xZ9v/view?usp=sharing

PHOTO GALLERY



लेजर एरीना, कोड हंट
बॉट रेस में दिखा टैलेंट

(एमआईटीएस) में एसिमोव से
रोबोटिक्स क्लब की ओर फेस्ट
आयोजित इंटर कॉलेज टेक फेस्ट
बआवृत्ति 3.0घं का समापन
संस्थान के निदेशक डॉ आरके पंडित
के मार्गदर्शन में हुआ। इसमें विभिन्न
प्रकार एरीना, कोड हंट, बॉट रेस,
लेजर एरीना, फ्यूड ओ जाइल, इन
मेज सॉल्वर, प्रजेडिशन, क्विज
आइडिया शामिल हुए।
कॉम्पीटिशन में लगभग 500 से
अधिक प्रतिभागियों ने भाग लिया।
संचालन डॉ करुणा मरकम ने
किया।

पत्रिका **plus** रिपोर्टर
खालियर माधव इस्टीमेट ऑफ साइंस
टेक्नोलॉजी एंड



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