



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

visit us at:

October-December 2020

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



"MATHEMATICS IS THE QUEEN OF SCIENCE,
AND ARITHMETIC THE QUEEN OF
MATHEMATICS." ~ CARL FRIEDRICH GAUSS

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.



Vikas Shinde, attended one-week e-STTP on “Computational Intelligence and its Applications”, under TEQIP-III held on 19-23 October 2020 organized by Department of Electrical Engineering and Department of Management Studies Engineering College, Ajmer.

Vikas Shinde, Completed online NPTL Course of 12 weeks /FDP (1.5 weeks) on ‘Introduction to Methods of Applied Mathematics’ from Sep-Dec. 2020

D.K. Jain, attended one-week e-STTP on “Computational Intelligence and its Applications”, under TEQIP-III held on 19-23 October 2020 organized by Department of Electrical Engineering and Department of Management Studies Engineering College, Ajmer.

D.K. Jain, Completed online NPTL Course of 12 weeks /FDP (1.5 weeks) on ‘Introduction to Methods of Applied Mathematics’ from Sep-Dec. 2020



J.K. Muthale, attended one-week e-STTP on “Computational Intelligence and its Applications”, under TEQIP-III held on 19-23 October 2020 organized by Department of Electrical Engineering and Department of Management Studies Engineering College, Ajmer.

J.K. Muthale, Completed online NPTL Course of 12 weeks /FDP (1.5 weeks) on ‘Introduction to Methods of Applied Mathematics’ from Sep-Dec. 2020



Angad Singh Ojha, attended one-week e-STTP on Applied computing organized by MITS, Gwalior on 9-13 Nov. 2020



D.K. Mishra, attended 30 Days webinar series on “AI Master Class on Python” during 05 October to 03 November 2020 which is organized by Andhra Pradesh Skill Development Corporation.



Hemlata Arya, attended one-week AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-11-14 to 2020-11-18 at Indian Institute of Technology, IIT Goa).



Vikas Shinde and S.K. Bharadwaj “Selection of Hospital Using Integrated Fuzzy AHP and Fuzzy TOPSIS Method” as a Book Chapter. “Soft Computing Applications and Techniques in Healthcare” (Taylor & Francis), PP.71-96.

Vikas Shinde and D.K. Mishra “Modified Multi-verse Optimizer Used for Global Optimization” accepted for publication in International Journal of Swarm Intelligence (Inder-Science)

Naseer Ahmad Malik, Farooq Ahmad and D.K. Jain: The theoretical overview of the Hartley Transform and the Generalized R- Function, Jnanabha, Volume 50, Number 1, Pages 158-163 ISSN: 0304-989 (Indexed in UGC Care and Google Scholar)

Naseer Ahmad Malik, Farooq Ahmad and D.K. Jain: Study of S-function in Relationship with Fractional Hilfer-Prabhakar Derivative, GEDRAG & ORGANISATIE REVIEW, Volume 33, Number 3, Pages 16-21 ISSN: 0921-5077 (Indexed in Web of Science and UGC Care)

Altaf Ahmad Bhat, Asifa Tassaddiq, D. K. Jain and Humera Naaz: New generating functions of I-function satisfying Truesdell’s Fq-equation, Advances in Difference Equations, Article number: 464; Springer open Journal <https://doi.org/10.1186/s13662-020-02912-6> (Indexed in SCI Expanded or Web of Science/Scopus) Impact factor:1.72, ISSN:1687-1839(P), 168-1847(O)

J.K. Muthale, Performance of Bulk Queue Under Vacation And Interruption, Advances and Applications in Mathematical Sciences Volume 19(10), PP. 969-986.

Hemlata Arya, Effect Of Change of Antenna Model With The Variation Of Pause Time For Reactive And Hybrid Routing Protocols In Mobile Ad-Hoc Networks, International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518, Volume 7 Issue 4, PP. 13-17

Ph.D. AWARDED/SUBMITTED

Jitendra Kumar Muthale, Awarded Doctor of Philosophy (Ph. D) degree on the thesis title “Performance Analysis of Some Queueing Models” on 05 October 2020 from RGVP, Bhopal (M.P.)

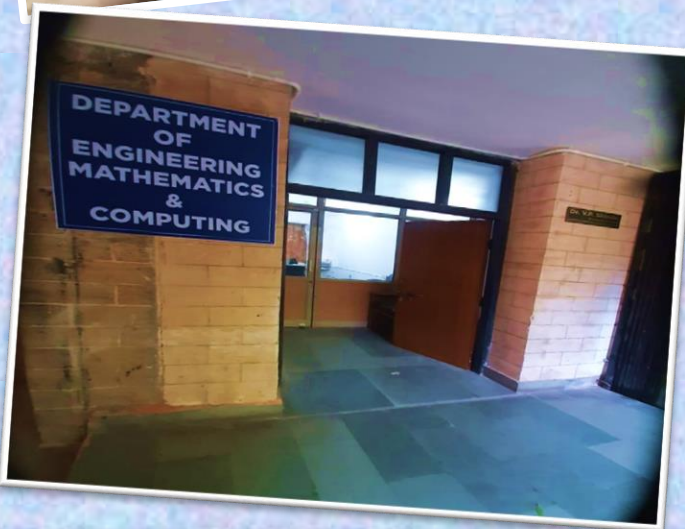
D.K. Mishra, Submitted Doctor of Philosophy (Ph. D) degree on the thesis title “A Study of Function Evaluation By Evolutionary Algorithms For Global Numerical Optimization” on 03 November 2020 From Barkatullah University, Bhopal (M.P.)

Awarded Doctor of Philosophy (Ph. D) degree of **Mr. Alok Jain Under Supervision of Dr. D K Jain,** Title of thesis ‘A study of basic hypergeometric function with special reference to quantum calculus’ from Jiwaji University, Gwalior with Co-Guide Dr Renu Jain Awarded on (28/10/2020) Notification no. 2020/143

EXTRA ACHIEVEMENTS

Hemlata Arya, Organizing Committee Member in International Conference ICSISCET-2020 organized by Madhav Institute of Technology & Science, Gwalior

PHOTO GALLERY



**EDITORIAL :
PROF. HEMLATA ARYA
MR. PRATHIPAL SINGH**