



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(Deemed to be University)

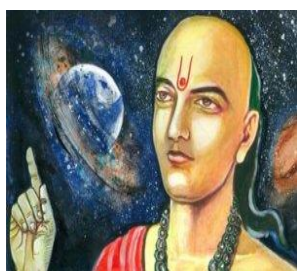
(NAAC Accredited with A++ Grade)

DEPARTMENT OF ENGINEERING MATHEMATICS & COMPUTING

e-Newsletter

JAN –APR, 2026

visit us at: <https://web.mitsgwalior.in/academics/departments/engineering-mathematics-computing>



Srinivasa Ramanujan (1887–1920)

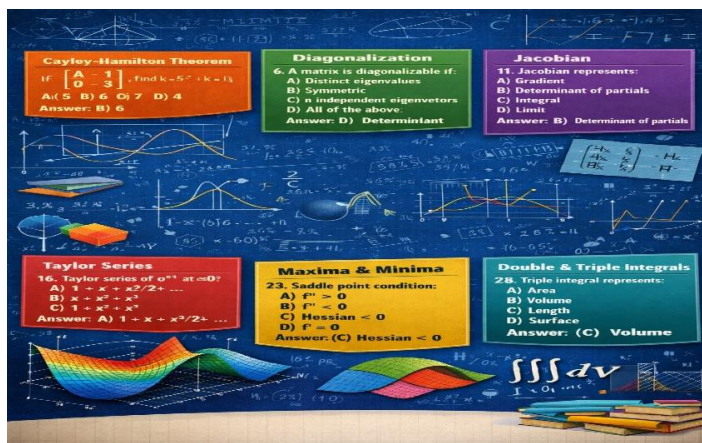
Srinivasa Ramanujan (1887–1920) was an Indian mathematical genius who independently developed thousands of groundbreaking theorems, particularly in number theory, infinite series, and continued fractions. Despite minimal formal training, his intuitive, profound work continues to influence modern computer science, string theory, and mathematical analysis.

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.



FACULTY OUTREACHED

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 in 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

- **Jitendra Kumar & Vikas Shinde**, ASSESSMENT OF ENHANCING COST EFFICIENCY IN CLOUD COMPUTING SYSTEMS THROUGH QUEUEING MODELS, *Jñānābha*, Vol. 55 (2), pp. (123-134). DOI: <https://doi.org/10.58250/jnanabha.2025.55214>
- **Minakshi Poonia** and Somesh Kumar, “A Novel Graph Based Algorithm to Counter Sybil Attacks in Reputation Systems Built on Blockchain”, *IJGASR*, vol. 4, no. 4, pp. 15–36, 2026.



Patent Published

- Dr. Anil Kumar, **Dr. Jitendra Kumar**, Dr. Vishwanath Jha, Dr. Apurav Radhakrishna Gupta, Dr. Praneeta Verma: **PORTABLE MATHEMATICAL COMPUTATION AND ANALYSIS DEVICE**, (Application No. 469683-001, Registration date 13/08/2025, Publication date 01/01/2026 under IPR by Govt. of India. https://drive.google.com/file/d/1IdxGK9DCHDLJY5veHa_P8qMJUFM0DlyG/view?usp=sharing
- Dr. Anil Kumar, Dr. Javed M Idrasi, **Dr. Jitendra Kumar, Dr. Vikas Shinde, Dr. D.K. Mishra**: **AI Based Inventory Modeling and Supply Chain Optimization Device using Fuzzy Logic** (Application No. 481614-001, Registration date 26.11.2025, Publication date 16/02/2026 under IPR by Govt. of India. <https://drive.google.com/file/d/1MlbicpoFq8jzDf7PbWot-cjFhNIFLqn/view?usp=sharing>

CONFERENCE ATTENDED

- **Dr. Jitendra Kumar** : Optimization of Toll Plaza Operations Using M/M/c and M/G/c Queueing Models with AVC, 8th International Conference on Multidisciplinary Perspectives on Sustainable development in Science & Technology (ICETSAST-2025), held on 7-8 Feb. 2026, organized by Maa Shakumbai Trust, Greater Noida, UP India.
- **Dr. Vijay S. Sharma**, attended two days International Conference on **Ramanujan Legacy: Inspiring Future Generations in Mathematics and Beyond**, held on 7-8 March 2026, organized by Association of Indian University (AIU) & SGT, University, Greater Noida, UP India.

EVENT/WEBINAR/WORKSHOP/FDP CONDUCTED

- **Dr. Vijay S. Sharma and Dr. Divya Chaturvedi, Department of Engineering Mathematics & Computing**, organized the **National Science Day 2026** celebration on **26 Feb 2026**, commemorating the birth anniversary of **C. V. Raman** with collaboration of **Analytic club** and **Mathematics club**. The one-day event entitled “**Indian Knowledge Systems and Mathematics: Scientific Wisdom from Tradition to Technology**” with **exhibition** and aimed at promoting awareness of modern mathematics and science among students and faculty. <https://docs.google.com/document/d/1wVD3pWgUPkxu3GT4gmbd2BZNMwmQVdu-/edit?usp=sharing&oid=106897697922550423572&rtopf=true&sd=true>

Workshop/ STTC/FDP Attended

- ❖ **Dr. Jitendra Kumar**, One Week FDP on **Fuzzy Optimization Techniques: New Trends**, held on 17-21, March 2026 organized by **Applied Science Department, IMS Engineering College, India**.
- ❖ **Dr. Jitendra Kumar**, One Week FDP on **Foundation of Mathematics in AI & ML**, held on 10-14 March 2026 organized by the Department of Mathematics, IISHLS, Indus University. India. https://drive.google.com/file/d/1Hsg7B7rxoDbkn6iaqqJIoGHIU06hf6_/view?usp=sharing
- ❖ **Dr. Jitendra Kumar**, Two week FDP on **AI and Machine Learning: Foundation to Frontier**, held on 23.02.2026 to 09.03.2026 organized by **EICTA Consortium (A Joint Initiative of MeitY and IIT Kanpur)**. <https://drive.google.com/file/d/1TWR5PDURp678NkSAXmedfaB-dWHuXvhF/view?usp=sharing>
- ❖ **Dr. Divya Chaturvedi**, **Five Day Faculty Development Programme on Information Theory and Mathematical Entropy in Artificial Intelligence** Organized by **Jerusalem College of Engineering, Chennai** from 17-2-2026 to 21-2-2026. <https://drive.google.com/file/d/19ympWGUQh2BtjFmvVzX7sSeEKppZJTs/view?usp=sharing>
- ❖ **Dr. Divya Chaturvedi**, **Five Day Faculty Development Programme on Innovation and Research** Organized by **Guru Teg Bahadur 4th Centenary Engineering College, New Delhi** from 16-2-2026 to 20-2-2026. <https://drive.google.com/file/d/1BArqomG3K26Z5FGk-BXWJ9IE5VBAvpiR/view?usp=sharing>
- ❖ **Dr. Divya Chaturvedi**, **Five Days International Workshop on AI and Computational Mathematics for Sustainable Development and Innovation** Organized by **SIMATS Engineering College, Chennai** from 23-2-2026 to 27-2-2026. <https://drive.google.com/file/d/1bdOdaGxkMZrqMxvYg6Xo8UdkxrydiGqk/view?usp=sharing>
- ❖ **Dr. Minakshi**, **Five Day Faculty Development Programme on Information Theory and Mathematical Entropy in Artificial Intelligence** Organized by **Jerusalem College of Engineering,**

Chennai from 17-2-2026 to 21-2-2026.

https://drive.google.com/file/d/1hZ0dQxDZPUimnkYE3ai3yzBuCIM0uW-m/view?usp=drive_link

- ❖ **Dr. Minakshi**, Five Day Faculty Development Programme on Innovation and Research Organized by Guru Teg Bahadur 4th Centenary Engineering College, New Delhi from 16-2-2026 to 20-2-2026. https://drive.google.com/file/d/1ZnCwv2HS9E677v1_zHCIHk4SxeG2S-rn/view?usp=drive_link
- ❖ **Dr. Minakshi**, Five Days International Workshop on AI and Computational Mathematics for Sustainable Development and Innovation Organized by SIMATS Engineering College, Chennai from 23-2-2026 to 27-2-2026. https://drive.google.com/file/d/1IODMVcJ7f1_eeCVfLA88aqGFVDsYKC4p/view?usp=drive_link

Extra Achievement:

Details of Karmyogi

S/N o.	Name of Faculty	Name of the Course (s) - Date	Certificates of all Links
1	Dr. Jitendra Kumar	भारतीय नागरिक सुरक्षा संहिता 2023 अधीन परीक्षण के दौरान समय-सीमा 19.02.2026	https://drive.google.com/file/d/1-P0_qpT2yrVtOnivh-dIASvwmkOJua_1/view?usp=sharing
2.	Dr. Divya Chaturvedi	Microsoft Powerpoint Beginners (7-1-2026)	https://drive.google.com/file/d/1Yr3Iquw5vOF3MDEDDY4hXsAcVEUJhI2A/view?usp=drive_link
3.	Dr. Divya Chaturvedi	DHFC-MODULE 11- APPLICATION OF AI AND ML IN HEALTH CARE (21-2-2026)	https://drive.google.com/file/d/1_V2wJvzflfqNgU15AG3IYJrJTcXc_6Ja/view?usp=sharing

5.	Dr. Minakshi	Microsoft Power point Beginners (27-2-2026)	https://drive.google.com/file/d/11XaYj_x1PyxC17njt0DYgfNYo9RBr0uD/view?usp=drive_link
6.	Dr. Minakshi	DHFC-MODULE 11- APPLICATION OF AI AND ML IN HEALTHCARE (21-2-2026)	https://drive.google.com/file/d/1fcl8kc9_YiejBRa_gvSPsvNjpkTn18QVI/view?usp=drive_link
7.	Dr. Minakshi	FUNDAMENTALS OF COMPUTER SYSTEMS AND INTERNET TECHNOLOGIES (21-2-2026)	https://drive.google.com/file/d/1tRWUSBQa0iPTklQ3uPlua17NilRofCCS/view?usp=drive_link
8.	Dr. Minakshi	Chatgpt and Fundamentals of AI: An Introduction (24/02/2026)	https://drive.google.com/file/d/1gwJQuY7_kFNEttG3rBphfAdeF5Uoz4_o/view?usp=drive_link

OTHER NOTABLE ACHIEVEMENTS OF THE FACULTIES

Reviewer Contribution

- ❖ **Dr. Vijay Shankar Sharma, Reviewer, Mathematical Modelling and Control, ESCI, Q2, Report submitted 21/03/2026.**
- ❖ **Dr. Vijay Shankar Sharma, Reviewer, International Journal of Applied and Computational Mathematics, Scopus, Report submitted 17/03/2026.**

ACTIVITIES AND ACHIEVEMENTS BY STUDENTS OF THE DEPARTMENT

Congratulation to all Students of MAC

S N.	Name	Enrolment No	Year	Details of event	International/National/ state/ Others	Link
1	Manjeet Rajput	BTMC24O 1156	2	Participated in RAIST 2026(IIIT surat) International conference	International	https://drive.google.com/open?id=1UoMbXGuSPuRahChxAyJOYSh6r6TeXjw1
2	Pradyumn Raghuwanshi	BTMC24O 1098	2	Participated in Viksit Bharat Youth Parliament 2026	Other	https://drive.google.com/open?id=1g0W6VRZF5U_TQM8FcGSGTjr_jJinNtl
3	Adarsh Soni	BTMC24O 1010	Second	Participated in EpiAlert: Diseases Intelligence system	National	https://drive.google.com/open?id=1XG2ZRON4H5AltuZEWxT6xCzAuajNyC6y
4	Rishita Chouksey	BTMC24O 1110	2nd	Participated in Business Wars conducted by IIM Bodhgaya in Yes 2026-Youth Entrepreneurship Summit.	Other	https://drive.google.com/open?id=1Yi0g7bs6uUulPxBwmcBLPDwlEhJNYj2M
5	Priyanshi Soni	BTMC25O 1108	1st year	Participated in HACKSAGON ABV- IIITM 2026	National	https://drive.google.com/open?id=1XyobcTdJGCMC3-Wqsm3GAPy-GzKxskX4
6	Hiral Goyal	BTMC24O 1057	2nd year	Participated in DevSprint 2026: Leveraging the Power of AI - national level hackathon conducted by Google developer group of MITS-DU. [ranked in top 10]	National	https://drive.google.com/open?id=1Oj8l_1J6r7baJRi546HKric9yIFKmWcs
7	Aryushi Mishra	BTMC25O 1025	First	Participated in Orbix	University	https://drive.google.com/open?id=1DdRo6PkhPIWhRXJOzAcVy6R3dOnjPbbx
8	Minal sheikh	BTMC25O 1076	1st year	Participated in Virtual trading workshop	University	https://drive.google.com/open?id=1WyaZOCh4yxvTy_s9gPjdie-ElgAYcYH4
9	Abhishek Singh Tomar	BTMC25O 1162	1st	Participated in IEEE and Innovation & DIY club performed INNOVATION BATTLEFIELD event	International	https://drive.google.com/open?id=14bzcB82E1098kk7AKUCu6Y2iH085Dkr7
10	Abhishek Singh Tomar	BTMC25O 1162	1st	Participated in Build with AI 3.O event organised by Google developer group	International	https://drive.google.com/open?id=1ZlhkD07Tk4t0UCq

				gwalior		IG08ADNW5yyGgX1V
11	Abhishek Singh Tomar	BTMC25O 1162	1st	Participated in the Workshop "ROBOCODE: Building the Future" organized by IEEE RAS SBC MITS-DU in collaboration with IEEE PES SBC MITS-DU, IEEE IAS SBC MITS-DU, IoT Edge Club & Centre for IoT on 6th September 2025.	International	https://drive.google.com/open?id=1ADYm3NTonQd_MrJ9THvKQoq1QapCgxfX
12	Shivansh Arora	0901MC2 31065	3rd	Participated in Mann Ki Baat Quiz	National	https://drive.google.com/open?id=1xDPmR2XRZ70VU1MmlXIKnDyF5cnsu5JE
13	Mahatva Agarwal	BTMC24O 1076	2	Participated in Hacksagon	National	https://drive.google.com/open?id=1RsiZSazH2NSmhZDgFTNKfjsVnmdEpi6a
14	NAVAL KISHOR SHARMA	BTMC24O 1086	2	Participated in "DevSprint: Leveraging the Power of AI"	National	https://drive.google.com/open?id=1gdsCGIqLb-ZoYzgdLPV11FRreY3adpNi
15	Shekh Raheeq	BTMC25O 1126	2026	Participated in Pehele-hunar, A poetry and shayari competition organized by Lafz e Bayan Club in Aarunya 2026	University	https://drive.google.com/open?id=1n0ghOodilJLw7Phnzaof3_5WWMqFBsbK
16	Devansh Rai	BTMC24O 1043	2026	Participated in MyBharat Budget Quest	National	https://drive.google.com/open?id=14fMrjhD5eSAQ-rhil6X7I2Y-zNEa6_ea
17	Devansh Rai	BTMC24O 1043	2026	Participated in Hack & Make 2026	National	https://drive.google.com/open?id=10Bms4JFZvkD4ltpLFlaZLIXVPuf6ypu
18	Yash Sahu	BTMC24O 1152	2nd Year	Participated in Business Wars	Other	https://drive.google.com/open?id=1j ug8hfT9_njzKbN4bmzK297_z-K9cKA6
19	ANAS KALIMI	BTMC25O 1013	1st	Participated in National AI/ML Hackathon by Vivriti Capital	National	https://drive.google.com/open?id=1PhuHT_sLayZyLQqns_eM7JpKfaFtfYC7

SOME GLIMPSES



DEPARTMENTAL/INSTITUTIONAL SOCIAL MEDIA ACCOUNTS





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

Link: https://www.youtube.com/@mits_mathematicscomputing2531



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



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



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Dr. Vijay S. Sharma