

DR. RAMESH KUMAR THAKUR

Bio Data

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I am an **Assistant Professor at Maulana Azad National Institute of Technology (MANIT), Bhopal, M.P., India**. My research interest lies in Convolutional Neural Network based Image Restoration Techniques. I am always inquisitive about new technologies in the field of Deep Learning. Currently, I am working on convolutional neural network based image restoration techniques for additive White Gaussian noise and multiplicative speckle noise removal. The title of my thesis is **CONVOLUTIONAL NEURAL NETWORK BASED IMAGE RESTORATION FOR ADDITIVE WHITE GAUSSIAN NOISE AND MULTIPLICATIVE SPECKLE NOISE**. I have done postdoc in the Department of Radiology from Northwestern University, USA.

Education

- June 2024 - July 2024 : **Postdoctoral Researcher at Northwestern University, Chicago, Illinois, USA.**
- 2017–2023 : **PhD, Computer Science & Engineering**, Indian Institute of Technology, Patna, India, cgpa = 8.88/10.
- 2014–2016 : **Master of Technology, High Performance Computing**, National Institute of Technology, Durgapur, India, cgpa = 9.69/10.
- 2010–2014 : **Bachelor of Technology, Information Technology**, University of Kalyani (public state university), West Bengal, India, cgpa = 9.39/10.

Publications

Journal Articles

- 2026 Tanveer Fatema Khan, **Ramesh Kumar Thakur**, and Manasi Gyanchandani. Smsdnet: Sar multiscale dual-domain despeckling network with feature-space diffusion refinement. **IEEE Geoscience and Remote Sensing Letters**, volume 23, pages 4008205–4008205, 2026.
- 2026 Tanveer Fatema Khan, **Ramesh Kumar Thakur**, and Manasi Gyanchandani. Bpsnet: Edge-preserving sar image denoiser using attention based bit plane slicing network. **Signal, Image and Video Processing**, volume 20, page 406. Springer, 2026.
- 2026 Shashank Gupta, **Ramesh Kumar Thakur**, and Mansi Gyanchandani. Enhancing diffusion-based image restoration with per-timestep edge guidance. **Procedia Computer Science**, volume 283, pages 1857–1865, 2026.
- 2023 **Ramesh Kumar Thakur** and Suman Kumar Maji. Multi scale pixel attention and feature extraction based neural network for image denoising. **Pattern Recognition**, volume 141, page 109603. Elsevier, 2023.
- 2022 **Ramesh Kumar Thakur** and Suman Kumar Maji. Gradient and multi scale feature inspired deep blind gaussian denoiser. **IEEE Access**, volume 10, pages 34170–34184. IEEE, 2022.
- 2022 **Ramesh Kumar Thakur** and Suman Kumar Maji. Agsdnet: Attention and gradient-based sar denoising network. **IEEE Geoscience and Remote Sensing Letters**, volume 19, pages 1–5. IEEE, 2022.

- 2020 Suman Kumar Maji, **Ramesh Kumar Thakur**, and Hussein M Yahia. Structure-preserving denoising of sar images using multifractal feature analysis. *IEEE Geoscience and Remote Sensing Letters*, volume 17, pages 2100–2104. IEEE, 2020.
- 2020 Suman Kumar Maji, **Ramesh Kumar Thakur**, and Hussein M Yahia. Sar image denoising based on multifractal feature analysis and tv regularisation. *IET Image Processing*, volume 14, pages 4158–4167. IET, 2020.
- 2015 Chandran Saravanan and **R Kumar**. A novel steganography technique for securing user’s digitized handwritten signature for public authentication systems. *Discovery, The International Daily Journal*, volume 43, pages 193–197. Discovery, 2015.

In Conference Proceedings

- 2026 Sushant Sharma, **Ramesh Kumar Thakur**, and Sanyam Shukla., DARNet: A Dual Attention Retinex Network for Low-Light Image Enhancement, In *Fourth International Conference on Data Science and Network Engineering (ICDSNE 2026)*, Springer, 2026.
- 2026 Aayush Mangal, Anshika Raj, **Ramesh Kumar Thakur**, and Sanyam Shukla., LRMF: Local Reliability-Modulated Fusion of Thermal and Visible Face Images, In *Fourth International Conference on Data Science and Network Engineering (ICDSNE 2026)*, Springer, 2026.
- 2026 Gurleen Kaur Bhatia, **Ramesh Kumar Thakur**, Tanveer Fatema Khan, and Sanyam Shukla., Illumination-Aware Network for Low-Light Image Enhancement, In *Fourth International Conference on Data Science and Network Engineering (ICDSNE 2026)*, Springer, 2026.
- 2026 Sarthak Choudhary, **Ramesh Kumar Thakur**, Guneet Singh Bagga and Tanveer Fatema Khan., Prompt Engineering Techniques and Their Effect on Large Language Model Output Quality, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Poorvanshi Lowanshi, **Ramesh Kumar Thakur**, Shashank Gupta and Tanveer Fatema Khan., Adaptive Multi-Degradation Diff-Mamba for Efficient All-in-One Blind Image Restoration, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Abhhijatya Singh, **Ramesh Kumar Thakur**, Shraddha Gupta and Tanveer Fatema Khan., LightThermNet: Edge-Preserving Noise-Aware Lightweight CNN for Real-Time Thermal Image Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Nikhil Gupta and **Ramesh Kumar Thakur**., AR-UNet: An Attention-Driven Deep Learning Framework for Thermal Image Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Sriram Banda, **Ramesh Kumar Thakur**, Shraddha Gupta and Tanveer Fatema Khan., ThermoFormer: A Self-Supervised Transformer Framework for Thermal Image Denoising Using Adaptive Edge-Aware Attention, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Md Akmal, **Ramesh Kumar Thakur**, Shashank Gupta and Tanveer Fatema Khan., EAM-NAFNet: An Edge-Aware Nonlinear Activation-Free Network for Lightweight Medical Image Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Harsha Vardhan Reddy, **Ramesh Kumar Thakur**, Guneet Singh Bagga and Tanveer Fatema Khan., Adaptive SAR-Optional Lightweight CNN for Remote Sensing Image Dehazing, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.

- 2026 Ishan Raj, **Ramesh Kumar Thakur**, Shraddha Gupta and Tanveer Fatema Khan., WATNet: A Wavelet-Aware Thermal Restoration Network with Noise-Aware Frequency Gating for Thermal Image Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Devina Sharma, **Ramesh Kumar Thakur**, Guneet Singh Bagga and Tanveer Fatema Khan., Lightweight SAR Image Dehazing Using Haze-Prior Guided Multimodal Fusion and Multi-Scale Large Kernel Attention, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Almas, **Ramesh Kumar Thakur**, Guneet Singh Bagga and Tanveer Fatema Khan., PR-ASM: Physics-Realistic Anisotropic Atmospheric Scattering Model for Synthetic Haze Generation and Remote Sensing Image Restoration, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Janhavi P. Tidke, **Ramesh Kumar Thakur**, Shashank Gupta and Tanveer Fatema Khan., Brightness-Aware Dynamic DDIM Step Scheduling for Efficient Low-Light Image Enhancement, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Khushi Mishra, **Ramesh Kumar Thakur**, Anuj Mishra and Tanveer Fatema Khan., Extended Evaluation of LiteDVDNet: Blind Noise Estimation, Perceptual Metrics, and Failure Analysis for Real-Time Video Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Anupam Singh, **Ramesh Kumar Thakur**, Anuj Mishra and Tanveer Fatema Khan., Real-Time Video Enhancement for Low-Light Video Conferencing using a Lightweight Multi-Branch CNN and Recurrent Temporal Stabilization, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Sourav Anand, **Ramesh Kumar Thakur**, Anuj Mishra and Tanveer Fatema Khan., An Edge-Efficient Low-Visibility Video Conferencing Framework for Resource-Constrained Consumer CPUs, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Raj Maurya, **Ramesh Kumar Thakur**, Anuj Mishra and Tanveer Fatema Khan., Optimization of DVDNet Video Denoising Using DIS Optical Flow, AMP and GPU Acceleration, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Rohan Kumar, **Ramesh Kumar Thakur**, Md Alfahad Ansari and Tanveer Fatema Khan., SAR Images Enhancement Through Balanced SAR Image Enhancement Pipeline Using Structure-Preserving Retinex Approach with Edge-Based Pseudo-Colorization, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Raj Laxmi, **Ramesh Kumar Thakur**, Md Alfahad Ansari and Tanveer Fatema Khan., Enhancing Low Light Images With Perceptual Loss And Adaptive Instance Normalization, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Subhrank Priya, **Ramesh Kumar Thakur**, Md Alfahad Ansari and Tanveer Fatema Khan., Speckle-Aware Retinex Decoding Network for Low Illumination SAR Images with Structure Preservation, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Lutfullah Bin Ehsan, **Ramesh Kumar Thakur**, Nikhil Gupta and Tanveer Fatema Khan., A High-Fidelity Infrared Thermal Image Denoising Method Based on an Advanced Multi-Scale Attention-Driven Network with Hybrid Edge-Aware Loss, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.

- 2026 Hassan Khan, **Ramesh Kumar Thakur**, Nikhil Gupta and Tanveer Fatema Khan., Joint Infrared and Visible Image Fusion Network (JIRF-FusionNet) with Deformable Spatial Alignment in Real-time, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Prashant Chandra, **Ramesh Kumar Thakur**, Nikhil Gupta and Tanveer Fatema Khan., Decoupled Dual-Phase Network for Real-Time Multispectral Image Fusion under Hardware Sensor Degradation, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Shahbaz Hussain, **Ramesh Kumar Thakur**, Nikhil Gupta and Tanveer Fatema Khan., LW-Diffusion: Latent-Wavelet Diffusion for Thermal Infrared Image Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 Shashank Gupta, **Ramesh Kumar Thakur** and Mansi Gyanchandani., Few-Step Zero-Shot Image Restoration via Adaptive Guidance and Frequency-Aware Initialization in Consistency Models, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 **Ramesh Kumar Thakur**, Rahul Kumar, Keshav Anand Bhagat, Tanveer Fatema Khan and Chanchal Suman., Dynamic Traffic Signal Control Using Real-Time Vision-Based Detection and Fairness-Constrained Scheduling, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 **Ramesh Kumar Thakur**, Amarjeet Kumar, Tanveer Fatema Khan and Sanyam Shukla., Low-Light Image Enhancement with Noise Reduction using CNN, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 **Ramesh Kumar Thakur**, Aman Madhukar Pagare, Keshav Vyas, Saksham Singh Rathore and Swathi Menon., EnhancedNLMCNN: A Dual-Domain Attention Network with Ghost Convolutions for Robust Image Denoising, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 **Ramesh Kumar Thakur**, Samar Singh, Tanveer Fatema Khan and Sanyam Shukla., A Novel Color Wavelet Difference Reduction (CWDR) based Image Compression Technique using Wavelet Filters, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2026 **Ramesh Kumar Thakur**, Anshika Raj, Aayush Mangal, Tanveer Fatema Khan and Sanyam Shukla., Multi-Scale Attention Frequency GAN for Low-Light UAV Aerial Image Enhancement, In *2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)*, Springer, 2026.
- 2025 Chanchal Suman and **Ramesh Kumar Thakur**. Examining the joint influence of sarcasm and emotion on gender prediction. In *2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)*, pages 1–6. IEEE, 2025.
- 2024 **Ramesh Kumar Thakur**, Jiten Agarwal, Hardik Chauhan, Saumyadeep Mahanta, Uzaif Ali, and Shreya Mondal. Benchmarking of machine learning algorithms for indian premier league matches. In *2024 6th International Conference on Computational Intelligence and Networks (CINE)*, pages 1–5. IEEE, 2024.
- 2024 Nandini Mishra and **Ramesh Kumar Thakur**. A novel fitness tracker model using machine learning algorithms. In *2024 6th International Conference on Computational Intelligence and Networks (CINE)*, pages 1–5. IEEE, 2024.
- 2022 **Ramesh Kumar Thakur** and Suman Kumar Maji. Sifsdnet: Sharp image feature based sar denoising network. In *2022 42nd International Geoscience and Remote Sensing Symposium (IGARSS)*. IEEE, 2022.

- 2022 **Ramesh Kumar Thakur** and Suman Kumar Maji. Image denoising based on multi domain feature inspired convolutional neural network. In *2022 IEEE Region 10 Conference (TENCON)*. IEEE, 2022.
- 2022 **Ramesh Kumar Thakur** and Suman Kumar Maji. Blind gaussian deep denoiser network using multi- scale pixel attention. In *2022 IEEE International Conference on Visual Communications and Image Processing (VCIP)*. IEEE, 2022.
- 2022 Suman Kumar Maji and **Ramesh Kumar Thakur**. A successive variational model for multiplicative noise and blur removal. In *2022 IEEE 19th India Council International Conference (INDICON)*. IEEE, 2022.
- 2020 **Ramesh Kumar Thakur** and Suman Kumar Maji. A variational approach to image despeckling under varied blur. In *2020 7th International Conference on Signal Processing and Integrated Networks (SPIN)*, pages 55–60. IEEE, 2020.
- 2020 Kshitij Susheel Jauhri, **Ramesh Kumar Thakur**, and Suman Kumar Maji. A blind metric based variational approach for ultrasound image denoising. In *2020 International Conference on Contemporary Computing and Applications (IC3A)*, pages 34–39. IEEE, 2020.
- 2017 Saurabh Shrivastava, **Ramesh Kumar Thakur**, and Pratibha Tokas. Classification of hazy and non-hazy images. In *2017 International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE)*, pages 148–152. IEEE, 2017.
- 2016 **Ramesh Kumar Thakur** and Chandran Saravanan. Classification of color hazy images. In *2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)*, pages 2159–2163. IEEE, 2016.
- 2016 **Ramesh Kumar Thakur** and Chandran Saravanan. Analysis of steganography with various bits of lsb for color images. In *2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)*, pages 2154–2158. IEEE, 2016.

Patents

- Aug 2025 Published a **Design Patent** titled as **SMART BACK SUPPORT BELT** with **Design Number - 461694-001**.

Academic Achievements

- 2017 Cleared **GATE Examination in CS/IT** with Score 421/1000.
- 2016 Cleared **GATE Examination in CS/IT** with Score 548/1000.
- 2014 Cleared **GATE Examination in CS/IT** with Score 533/1000.
- 2014 Cleared **CSIR NET Examination in Engineering Science** with All India Rank 163.

Awards & Recognition

- 2016 Recipient of **"Institute Gold Medal"**, in **M.Tech** at **NIT Durgapur**.
- 2014 Recipient of **"First Class First"**, in **B.Tech** at **University of Kalyani, West Bengal**.

Working Experience

- Nov 2024 - Present Teaching experience of **1 year 9 months** as **Assistant Professor** at **Maulana Azad National Institute of Technology (MANIT), Bhopal, M.P.**
- Sep 2024 - Nov 2024 Teaching experience of **2 months** as **Assistant Professor** at **National Institute of Technology (NIT), Jalandhar, Punjab**.
- July 2023 - Sep 2024 Teaching experience of **1 year 2 months** as **Assistant Professor** at **Kalinga Institute of Industrial Technology, KIIT University, Bhubaneswar, Odisha**.

- June 2024 – Research experience of **1.5 months** as **Postdoctoral Researcher (Clinical Research Associate)**
 July 2024 at **Northwestern University, Chicago, Illinois, USA.**
- July 2022 – Teaching experience of **1 year** as **Assistant Professor** at **Institute of Technical Education and Research (ITER), Siksha 'O' Anusandhan University, Bhubaneswar, Odisha.**
- June 2016 – Teaching experience of **1 year** as **Assistant Professor** at **Smt. S. R. Patel Engg. College,**
 April 2017 **Gujarat.**

Professional Contributions and Engagements

- Aug 2026 Delivered an **expert lecture** titled **“AI in Your Pocket: Making Everyday Life Easier with Mobile-Based Intelligent Applications.”** on 12 Aug 2026 as part of the **7-Day Online Refresher Course on "Teaching Pedagogy in the Age of AI (Interdisciplinary),"** organized by **Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi, Multidisciplinary Center for Artificial Intelligence, Jamia Hamdard, and AIU-ASU-AADC, Apeejay Styra University.**
- Aug 2026 Served as an **external examiner** for the **conduction of M.Tech Viva** on 08 Aug 2026 organized by **the Madhyanchal Professional University, Bhopal.**
- Aug 2026 Served as the **Reviewer** for a **GIAN Course** on topic **“TWO-DIMENSIONAL PICTURE LANGUAGES.”** on 01/08/2026.
- July 2026 Delivered an **expert lecture** titled **“Basics of Machine Learning/Python for Image Processing and Computer Vision or Medical Imaging Applications”** on 21 July 2026 as part of the **5-Day Online Workshop on “Next Generation Trends in AI and Scientific Computing with Hands-on using Python,”** organized by **the Department of CSE, NIT Raipur.**
- June 2026 Served as the **session chair** in **2nd International Conference on New Product Development and Smart Manufacturing (NPDSM 2026)** at **NIT Bhopal, M.P.**
- June 2026 Served as the **Reviewer** for a **GIAN Course** on topic **“Artificial Intelligence and Language: Tools, Applications, and Pedagogical Innovations.”** on 22/06/2026.
- June 2026 Served as the **Coordinator** for a **2 days workshop** on topic **“Applications of AI Tools in Smart Manufacturing.”** between 09/06/2026 to 10/06/2026 organized by **the Center of Product Design and Smart Manufacturing, MANIT Bhopal.**
- June 2026 Served as the **Reviewer** for a **GIAN Course** on topic **“Generative AI and Computer Vision Based UAVs for Search and Rescue.”** on 01/06/2026.
- May 2026 Successfully conducted a **2 days workshop** on topic **“Code the Cure: Deep Learning for Medical Image Diagnosis.”** between 06/05/2026 to 07/05/2026 as **expert speaker** organized by **Prestige Institute of Engineering Management & Research, Indore, M.P.**
- Apr 2026 Served as an **external examiner** for the **conduction of Ph.D. Pre-Thesis Viva-Voce** of Mr. **SANDEEP GANPAT KAMBLE** entitled **“Cyber Crime data Analysis Using Description Data Modeling Techniques in the Mumbai District”** organized by **the Madhyanchal Professional University, Bhopal.**
- Apr 2026 Delivered an **expert lecture** titled **“Use of AI in drafting and legal search”** on 15 April 2026 as part of the **10-Day Training on “PARIVARTAN - Orientation Course for Newly Promoted Income Tax Inspectors,”** organized by **National Academy of Direct Taxes, Regional Campus, Bhopal.**
- Apr 2026 Served as the **session chair** in **International Conference on Innovations in Computing, Communication, and Sustainable Technologies (ICICST 2026)** at **NIT Jalandhar, Punjab.**
- Apr 2026 Delivered an **expert lecture** titled **“Generative AI using Diffusion Models”** on 04 April 2026 organized by **the Department of CSE, M. M. M. University of Technology, Gorakhpur.**

- Feb 2026 Delivered an **expert lecture** titled “**Diffusion Models and Their Applications**” on 25 February 2026 as part of the **5-Day Online Workshop on “Advances in Generative AI: Applications in Health Care and Climate Science,”** organized by the Department of IT, NIT Jalandhar.
- Feb 2026 Served as the **Coordinator** for the expert Lecture on “**Operation Research and Importance of Indian Classical Music**” by **Padma Shri Prof. Kiran Seth, Professor Emeritus, IIT Delhi and Founder of SPIC MACAY** organized by the Department of CSE, MANIT Bhopal.
- Feb 2026 Served as the **Expert Panel Member/Reviewer** for the **Health Hackathon 2026** at **VIT Bhopal University** jointly organized by **VIT Bhopal University** and **Johns Hopkins University(USA)**.
- Feb 2026 Served as the **Coordinator** for the **Internet Safety Day 2026** at **MANIT Bhopal**.
- Feb 2026 Delivered an **expert lecture** titled “**AI in Your Pocket: Making Everyday Life Easier with Mobile-Based Intelligent Applications,**” on 5 February 2026 as part of the **STTP on “Artificial Intelligence and Associated Hardware”** organized by the Department of ECE, MANIT Bhopal.
- Jan 2026 Served as the **session chair** in **11th International IEEE Students’ Conference, SCEECS’26** at **MANIT Bhopal, M.P.**
- Jan 2026 Served as the **Coordinator** for the **AI-Themed Quiz Competition 2026** as part of pre-summit activities of the **India AI-Impact Summit 2026** at **MANIT Bhopal**.
- Nov 2025 Served as the **technical committee member** of **International Conference on Artificial Intelligence in Advanced Energy, Environmental, and Sustainable Development (ICAIAEESD - 2025)** at **LPU Punjab**.
- Sep 2025 Served as the **jury member** for the **Internal Smart India Hackathon (SIH) 2025** at **MANIT Bhopal**.
- Sep 2025 Served as the **jury member** for the **Internal Smart India Hackathon (SIH) 2025** at **IIIT Bhopal**.
- Apr 2025 Served as an **expert of project evaluation** in “**Waste Management**” category of **SRIJAN program under Innovate M.P.** initiative at **RGPV Bhopal**.
- Apr 2025 Served as the **jury member** for the final round of the Ideathon at **MANIT Bhopal**.
- Apr 2025 Delivered **special lectures** for three days at **SPA Delhi** between 10/04/2025 to 12/04/2025 to teach subject “**Urban Informatics in Planning**”.
- Jan 2025 Served as the **session chair** in **10th International IEEE Students’ Conference, SCEECS’25** at **(MANIT), Bhopal, M.P.**
- Dec 2024 Served as the **session chair** in **4th International Conference on Machine Learning and Augmented Intelligence (MAI-2024)** at **(MANIT), Bhopal, M.P.**