

FACULTY PROFILE



Name: Dr. Rupak Sharma

Designation: Associate Professor

E_mail: rupaks@srmist.edu.in

Professional Qualification:

- **MCA(2001)** (Master of Computer Applications) from Meerut Institute of Engineering & Technology, Meerut.
- **Ph.D(2012)** in Computer Science & Engineering

Publications (Journals & Conferences):

- **Anil Kumar Gupta, Rupak Sharma, Rudra Pratap (Nov 2025)** Paper published on the title “Integrating clustering with LSTM diffusion for video anomaly detection” in the Journal of Applied Soft Computing(Elsvier), No- 1568-4946 , DOI: 10.1016/j.asoc.2025.114185,(SCIE)
- **Narendra Kumar, Sunil Kumar, Rajeev Kumar Sharma, Rupak Sharma, Kapil Tomar (Aug 2025)** Paper published on the title “A decentralized blockchain based privacy preservation scheme for healthcare data security enhancement in cloud” in the Journal of Cluster Computing, Springer Nature, Vol.28, No-8 DOI: 10.1007/s10586-025-05466-y (SCIE)
- **Anil Kumar Gupta, Rupak Sharma, Rudra Pratap (May 2025)** Paper published on the title “The smart optimization of anomaly detection in video image processing using Swin-Transformer” in the 2025 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI)”, DOI: 10.1109/IC3ECSBHI63591.2025.10991291 (IEEE)
- **Rupak Sharma, Pallavi Tyagi, Pooja Vajpai (Apr 2025)** Paper published on the title “Cloud-Based Deep Learning for Weather Forecasting” in the 2025 International Conference on Pervasive Computational Technologies (ICPCT)-8-9 Feb 2025” , DOI: 10.1109/ICPCT64145.2025.10940482(IEEE)
- **Rupak Sharma; Vikas Sharma; Tarun Kumar Vashishth ; Bhupendra Kumar; Brijesh Kumar Sharma; (Feb 2025)** Paper published on the title “Implementation of adaptive cloud security framework for cloud computing monitoring system applications” in the 4th International Conference on Innovation in IoT, Robotics and Automation (IIRA 4.0)-” , DOI: 10.1063/5.0246104 (Scopus-AIP Conf. Pro.)

- **Abhay Kumar Ray, Rupak Sharma, Sunil Kumar Pandey (Apr 2025)** Paper published on the title “Integrated Machine Learning approach for attack Detection in MQTT- Enabled Smart Homes systems” in the 1st International Conference on Emerging Technologies & Innovation for Sustainability-2024”, DOI:10.1109/EmergIN63207.2024.10960978(IEEE)
- **Kaushal Kishor,Manoj Singhal, Rajesh Kumar, Rupak Sharma (Sep 2024)** Paper published on the title “A novel suppressed segmentation framework for hyper spectral image processing in earlier cancer detection” in the International Journal of Data Mining and Bioinformatics(Inderscience Publications), DOI:10.1504/IJDMB.2025.10066121 -SCI
- **Vinay Pant, Dr. Rupak Sharma, Dr. Shakti Kundu (Sep 2024)** Paper published on the title “Named Entity Recognition of Kumauni Language using Machine Learning(ML)” in the Journal of Computational Analysis and Applications, PP-198-213, Vol.-33, No-8, ISSN No- 1521-1398 -Scopus
- **Dr. Rupak Sharma, Dr. D Prabakar, Aanchal Madan (May 2024)** Paper published on the title “Securing Social Media Imagery: GAN- Driven Encryption and CNN Analysis with DEA Protection” in the Journal of Electrical Systems, PP-1332-1241, Vol.-20, No-3s, ISSN No-1112-1209-Scopus
- **Anil Kumar Gupta, Rupak Sharma, Rudra Pratap Ojha (May 2024)** Paper published on the title “Video Anomaly Detection Based on HSOE-FAST Modified Deep Neural Network” in the International Journal of SN Computer Science(Springer Nature), <https://doi.org/10.1007/s42979-024-02945-8> -Scopus
- **Anil Kumar Gupta, Rupak Sharma, Rudra Pratap Ojha (Apr 2024)** Paper published on the title “Inspired Detection Model For Clustering Based Surveillance System: A Non-Conventional Review” in the 2024 International Conference on Automation and Computation (AUTOCOM) (IEEE) -Scopus Indexed
- **Anil Kumar Gupta, Rupak Sharma, Rudra Pratap Ojha (Sep 2023)** Paper published on the title “Video Anomaly Detection with Spatio-Temporal Inspired Deep Neural Networks (DNN)” in the 6th International Conference on Contemporary Computing and Informatics (IC3I)(IEEE) -Scopus Indexed
- **Zekrifa Djabeur Mohamed Seifeddine, Abhishek Sharma, Deepak Sharma, Rupak Sharma, Sachin Rai (Aug 2023)** Paper published on the title “A System Based on AI and ML Enhanced to Investigate Physiological Markers for User Forecasting Decision-Marking” in the International Conference on Contemporary Challenges in Science and its Engineering Applications[IC3SEA 2023](IEEE) -Scopus Indexed
- **Vinay Pant, Rupak Sharma, Shakti Kundu (Apr 2023)** Paper published on the title “An Overview of Stremming and Lemmatization Techniques” in the International Conference on Networks, Intelligence and Computing(ICONIC)-Scopus Indexed
- **Arvind Kumar, Rupak Sharma, Pankaj Saxena, Anand Mohan(May 2022)** Paper published on the title “Artificial Intelligence based humanoid Robot for COVID disinfection” in the AIP Conference Proceedings-Scopus Indexed
- **Arvind Kumar, Avikant Pareta, Jitender Meena, Rupak Sharma (Apr 2022)** Paper published on the title “A Long Term Impact of Artificial Intelligence and Robotics on Higher Education” in the International Conference on Advances in Computing, Communication and Applied Informatics 2022(IEEE) -Scopus Indexed
- **Rupak Sharma, Rajeev Sharma, B. Prabha (Jul 2021)** Paper published on the title “IOT Monitoring Lathe Machine” in the Elsevier Materials Today Proceedings -Scopus Indexed

- **Amit Sharma , Dr. Rupak Sharma** (Jan-Feb 2021) Paper published on the title “Analysis of Hidden Web Crawler” in the International Journal of Scientific Research in Science and Technology(IJSRST), Vol-8, Issue-1 , PP-299-305 , ISSN:2395-6011,2395-602X(*UGC Approved*)
- **Lakshmi Shanker Singh, Dr. Rupak Sharma** (Jan-Feb 2021) Paper published on the title “Study and Analysis of Software Effort Estimation Methods using Water sluice Technique” in the International Journal of Scientific Research in Science and Technology(IJSRST), Vol-8, Issue-1 , PP-306-314 , ISSN:2395-6011,2395-602X(*UGC Approved*)
- **Gaurav Tyagi, Dr. Rupak Sharma** (JUL 2020) Paper published on the title “Peer to Peer Technology for Mobile AD-HOC Network:An Introductory Aspect” in the International Journal of Analysis and Computation(JAC), Vol-XIV, Issue-VI , PP-1-8 , ISSN:0973-2861(*UGC Approved*)
- **Gaurav Tyagi, Dr. Rupak Sharma** (SEP 2020) Paper published on the title “Safety Threats and its Remedies in Peer to Peer Networks” in the International Journal of Analysis and Computation(JAC), Vol-XIV, Issue-VII , PP-1-7 , ISSN:0973-2861(*UGC Approved*)
- **Amit Sharma , Dr. Rupak Sharma** (May-Jun 2020) Paper published on the title “Simulation based Framework in Hidden Web page Crawler” in the International Journal of Scientific Research in Science and Technology(IJSRST), Vol-7, Issue-3 , PP-465-471 , ISSN:2395-6011,2395-602X(*UGC Approved*)
- **Laxmi Shanker Singh, Dr. Rupak Sharma** (May-Jun 2020) Paper published on the title “Analysis of Software Project Management Estimation Method using Function Point” in the International Journal of Scientific Research in Science and Technology(IJSRST), Vol-7, Issue-3 , PP-472-478 , ISSN:2395-6011,2395-602X(*UGC Approved*)
- **Dr.Rupak Sharma ,Dr.Rajeev Sharma, Amit Sharma** (July 2019) IOT Based Smart Agriculture in Digital India published in Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 05-Special Issue, 2019 ISSN:1943-023X pp.2052-2056.(**SCI index**)
- **Dr.Rajeev Sharma,Dr.Rupak Sharma**(Jan 2019) Different Signal Analysis for a Transit Traffic Signal published in International Journal of Engineering & Science Research ISSN:2277-2685 pp.35-37
- **Dr. Rajeev Sharma & Dr. Rupak Sharma** (AUG 2018) Paper published on the title “Big Data and Hadoop-The Prospect and Relevance” in the Second International Conference on Green Computing & Internet of Thing (ICGCIoT 2018), held at Glabal Academy of Technology, Bengaluru, India during 16-18 August 2018, *IEEE Approved*
- **Dr. Rupak Sharma & Dr. Rajeev Sharma** (DEC 2017) Paper published on the title “Confront and Issues in Cloud Computing Platforms and Applications” in the International Journal of Advance Research in Science and Engineering, Vol-06, Issue-12 , PP-1783-1792 , ISSN:2319-8354.(*details is on www.ijarse.com*)*UGC Approved*
- **Dr. Rajeev Sharma,Dr. Rupak Sharma & Jai Prakash Bhati** (NOV 22-2017) Paper published on the title “Impact of Cloud Computing Datamining in Digitalization” in the International Journal of Applied Engineering Research, Vol-12, Issue-12 , PP-12716-12720 , ISSN:0973-4562.(*details is on www.ripublication.com*)*Scopus Journal*
- **Saurav Tiwari,Asheesh Goel & Dr. Rupak Sharma** (OCT-DEC 2014) Paper published on the title “Evolution of E-Commerce” in the International Journal of Engineering and Management Technology, Vol-2, Issue-4 , PP-1-8 , OCT-DEC 2014.(*details is on www.ijemt.in*)

- **Bharat Kumar Singh ,Dr. Rupak Sharma** (APR-JUN 2014) Paper published on the title “Comparative Study of IPv4 & IPv6” in the International Journal of Engineering and Management Technology, Vol-2, Issue-2 , PP-73-81 , APR-JUN 2014.(*details is on www.ijemt.in*)
- **Saurav Tiwari ,Dr. Rupak Sharma** (APR-JUN 2014) Paper published on the title “Future of Cloud Computing” in the International Journal of Engineering and Management Technology, Vol-2, Issue-2 , PP-26-32 , APR-JUN 2014.(*details is on www.ijemt.in*)
- **Dr. Rupak Sharma, Rajeev Kr. Sharma & Manoj Kumar** (OCT-DEC 2013) Paper published on the title “Prevailing to Forthcoming Orientation in Green Computing” in the International Journal of Engineering and Management Technology, Vol-1, Issue-4 of OCT-DEC 2013.(*details is on www.ijemt.in*)
- **Dr. Rupak Sharma, Rajeev Kr. Sharma & Manoj Kumar** (JAN-MAR 2013) Paper published on the title “A Survey Routing Protocols in MANET” in the International Journal Computer Science and Technology, Vol-4, Issue-7 of JAN-MAR2013.(*details is on www.ijcst.com*)
- **Rupak Sharma, Sohan Lal** (July 2012) Paper published on the title “A Survey of Routing Security System in Mobile AD-HOC Networks” in the International Journal of Engineering and Science Research Vol-2, Issue-7 of July 2012.(*details is on www.ijesr.org*)
- **Rupak Sharma,Rajeev Kr. Sharma & Manoj Kumar** (February 2012) MANET:The essential Technology for Pervasive Computing, Published in International Journal of Research in Information Technology and Management. Volume 2, No-2 pp-1107-1118
- **Manoj Kumar, Rajeev Kr. Sharma & Rupak Sharma** (July 2011) Software Process Essesment and Improvement Model in Software Development Life Cycle, Published in International Journal of Research in Information Technology and Management. Volume 1, No-3 pp-20-27
- **Rajeev Kr. Sharma,Rupak Sharma & Shailendra Raj** (Jul-Dec 2011) The Role of Automatic Dynamic Update to Improve an Operating System Availability, Published in International Journal of Information and Knowledge Management. Volume 4, No-2 pp-355-360
- **Rajeev Kr. Sharma,Rupak Sharma & Shailendra Raj** (Jan-Jun 2011) Confronts and Issues in M-Commerce-A Business on Mobile and Net Approach, Published in International Journal of Information and Knowledge Management. Volume 4, No-1 pp-51-55
- **Rajeev Kr. Sharma,Rupak Sharma & Shailendra Raj** (Jan-Jun 2011) Dynamically Updating the Message Passing in Distributed Systems, Published in International Journal of Computer Science and Communication. Volume 2, No-1 pp-137-142

Awards and Achievements

- Best Faculty Award 2022 and 2018
- Received Certificate of Appreciation in recognition of contribution as a Faculty Coordinator of the KHEL-2025, as a national level Sports Fest
- Received Certificate of Appreciation in recognition of contribution as a Faculty Coordinator of the KHEL-2023, as a national level Sports Fest
- Received Certificate of Appreciation in recognition of contribution as a Faculty Coordinator of the KHEL-2019, as a national level Sports Fest

- Received Certificate of Appreciation in recognition of contribution as a Organizing Committee Member of the 21th Annual of Vijnana Parishad of India(26-28 APR 2019), as a national level Conference organizes by SRMIST, NCR Campus, Modinagar
- Received Certificate of Appreciation in recognition of contribution as a Faculty Coordinator of the RUBAROO-2018, as a national level Cultural Fest
- Received Award & Certificate of Excellence 2018 in recognition of contribution and continued dedication to academic performance as well as extra curricular
- Received Certificate of Appreciation in recognition of contribution as a Event Coordinator of the FIESTA-13, as a national level Sports Fest

Workshops/Seminars/FDPs Attended: 18

- Participated in One Week Online FDP on “**Significant of Emerging Technologies & Intellectual Property Rights (IPR)**” organized by the Department of Computer Application, Mangalmai Institute of Management & Technology, Gr. Noida from 16-20 Dec 2024.
- Participated in the AICTE recognized One Week Online FDP on “**Mastering Cloud Computing Essentials with AWS**” conducted by the Department of Computer Science and Engineering, NITTTR, Chandigarh (Ministry of Education, Govt. of India) from 3-7 March 2025.
- Participated and successfully completed the XV NEP 2020 **Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC- Malaviya Mission Teacher Training Centre, University of Allahabad from 16-25 June 2025.
- Participated in the International FDP on **Empowering Faculty for Ethical Teaching in the Digital Era**, jointly organized by DMI Engineering College, Aralvaimozhi, and Globethics South Asia Centre, Bangalore, held from 2–7 June 2025.
- Participated and Successfully Completed the 3-days face to face (UHV-I) FDP on the **theme “Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) at SRM Institute of Management and Technology, Ghaziabad from 10th March to 12th March 2025.
- Participated in the FDP on **AI Mastery for Educators** *organized* by Vishlesan i-HUB IIIT, Patna held from 15 May –7 June 2025.
- Participated in the FDP on **Data Science(AI&ML)** organized by EICTA Consortium, Joint initiative of IIIT,NIT and IIT, Kanpur held from 23 Feb –8 Mar 2026.
- Participated and Successfully Completed the 5-days face to face (UHV-II) FDP on the theme **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) at SRM Institute of Management and Technology, Ghaziabad from 5th May to 9th May 2026.

Work Experience: 24+ Years

Professional Memberships:

- Indian Society for Technical Education (ISTE), Membership Number: 141491
- Member of Computer Society of India (CSI), Membership Number: 1061230005
- Member of International Association of Engineers (IAENG), Hong Kong, Membership Number: 131739
- Member of Computer Science Teachers Association (CSTA), USA, Membership Number: 4016040