



Curriculum Vitae

Preeti Yadav

Title	Dr.	First Name	Preeti	Last Name	Yadav	
Designation		Assistant Professor				
Department		Computer Science and Information Technology				
Address	Office	Department of CS&IT, IET, MJP Rohilkhand University, Bareilly, UP, India.				
	Residence	Flat No D- 917, Tulip Grand Apartments, Bareilly-243006 (UP).				
Mobile No.		7017932082				
Email ID		Personal	preeti.mjpru@gmail.com			
		University Domain	preeti.yadav@mjpru.ac.in			
Professional Networking ID, i.e. Linkedin, Twitter etc.		linkedin.com/in/PREETI-YADAV-7852481B7				
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution	Year	Details/Thesis/Topic/Subjects			
Ph.D. (Computer Science and Engineering)	IIT Roorkee, Roorkee	2023	Development of an Efficient Localization Scheme in Wireless Sensor Networks using Machine Learning			
M.Tech (Computer Science and Engineering)	Integral University, Lucknow	2014	Natural Language Processing			
B.Tech (Computer Science and Engineering)	S.R.M.S. College of Engineering & Technology, UPTU, Lucknow	2007	Computer Science & Engineering			
Career Profile						
Organization / Institution		Designation	Duration	Nature of Duties		
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly		Assistant Professor (AGP.8000)	2019-Till date	Teaching and Research		
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly		Assistant Professor (AGP. 7000)	2014-2019	Teaching and Research		
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly		Assistant Professor	2008-2014	Teaching and Research		
Andhra Bank, Hyderabad		IT Officer	April 2008 - August 2008	Assistant Manager		
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.		Guest Faculty	July 2007- March 2008	Teaching		
Research Interests / Specialization						
Wireless Sensor Networks, Machine Learning, Internet of Things, Blockchain						
Teaching Experience in Years (Subject/Courses Taught)						
18 Years~ (Wireless network and mobile Communication, Cryptography and Network Security, Data Structure, DBMS, Machine Learning, etc.)						

Administrative Responsibilities

- Student Advisor in Department of CSIT, FET, MJPRU, Bareilly
- Coordinator, B.Tech, First Year, Department of CSIT, MJPRU, Bareilly
- In charge, Seminar, CSIT, FET, MJP Rohilkhand University, Bareilly
- In charge, Project Lab, CSIT, FET, MJP Rohilkhand University, Bareilly
- In charge, Cultural Events, CSIT, FET, MJP Rohilkhand University, Bareilly
- Convenor, Women in engineering affinity group IEEE
- Member, MCA Ordinance Designing Committee, CSIT, FET, MJP Rohilkhand University, Bareilly
- Member, BOS, CSIT, FET, MJP Rohilkhand University, Bareilly
- Member, AI Syllabus preparation Committee, CSIT, FET, MJP Rohilkhand University, Bareilly
- Member, IQAC, MJPRU, Bareilly
- Member Distance & Online Education, MJPRU, Bareilly
- Member UFM Committee, MJPRU, Bareilly
- Member, RTI, MJP Rohilkhand University, Bareilly, Department of CSIT, FET, MJPRU, Bareilly

Patents: 13

Publications: 60, Journals: 28, International Conferences: 24, Book Chapters: 07, Text Book: 01, Projects: 04

PATENTS- Granted

International

1. Preeti Yadav et al., “AMTH- Biomedical Waste Management: An IoT- Based System for Biomedical Waste Management Including Ayurveda Hospitals (Granted: 29/10/2020)
2. Krishan Chandra Mishra, Vinay Rishiwal, Preeti Yadav et al., “ISML – Stock Prices Predictor: Intelligent Stock Prices Predictor Using Machine Learning” (Published/Granted on 09/11/2020)
3. Preeti Yadav et al., “Healthcare Data Exchange using Blockchain based Technology” (Filed on 19/04/2021, Published and granted on 26/05/2021)

National

4. Vinay Rishiwal, Shobha Rani, L V Narasimha Prasad, Graphic Era Deemed to Be University, Reena Singh, Manoj Kumar Singh, Preeti Yadav, Mano Yadav, Rakesh Kumar Yadav, B.K. Sarkar, “BUVT - FACE RECOGNITION BOT: FACE RECOGNITION BOT THEIR UNIQUE VOICE USING IOT-BASED TECHNOLOGY” (Published on 20/05/2024)

PATENTS- Published

1. Vinay Rishiwal, Preeti Yadav, et al., “AQUAWATCH: Deploying IoT Sensor for real-time water quality monitoring in lakes, rivers, an reservoirs for pollution detection and environmental conservation” (Published on 16/02/2024), Application No.202411009757 A
2. Vinay Rishiwal, Brajesh Kumar, Preeti Yadav, et al., “SMARTWEEDX: Cutting-edge weed detection and eradication system using IoT technology and autonomous robotic arm” (Published on 16/02/2024), Application No.202411009760 A
3. Vinay Rishiwal, Preeti Yadav, et al., “Integrated IoT-based Solutions for Holistic Elderly Care: Continuous Vital Signs Monitoring and Alerts in Human- Centric Smart Homes” (Published on 16/02/2024), Application No.202411009784 A
4. Vinay Rishiwal, S.S. Bedi, Preeti Yadav, et al., “Integrated IoT-based Sleep Pattern Analysis, Quality Monitoring and Improvement System” (Published on 16/02/2024), Application No.202411009754 A
5. Saurabh Mishra, Vinay Rishiwal, Preeti Yadav, et al., “Design for an Artificial Intelligence Based Framework for Understanding the Impact of Health Care Product Marketing on Women's Health” (Published on 09/02/2024), Application No.202411006534 A
6. Vinay Rishiwal, Preeti Yadav, Anil Singh, Inderpreet Kaur, “Artificial Intelligence and Internet of Things enabled Framework for Early Fire Prevention and Detection in Disaster Management”, (Published on 12.01.2024). Application No.202311084692 A
7. Preeti Yadav et al., “System for Enhancing Safety of the Transaction at Automated Banking Machine,” (Published on 19.05.2023)
8. Preeti Yadav et al., “CTAO – Educational Monitoring: IOT based Education Monitoring to Checking the Class Teacher Available in a Class and Notes Available Online Notified. (Published on 23/10/2020)
9. Preeti Yadav et al., “SUAV- Women Security: Women Security using Street Light and Auto Run Unmanned Aerial Vehicle Using IoT Based Technology” (Published on 09/10/2020)

JOURNAL PUBLICATIONS

1. Preeti Yadav, et al. "Addressing Class Imbalance in Canine Vertebral Heart Size Classification via GAN Based Data Augmentation", Turkish Journal of Veterinary and Animal Sciences, 2026. (Submitted).
2. Hina Singh, Preeti Yadav et al., "Q- Learning based Localization Algorithm for Smart Agriculture in WSN-assisted IoT". KSII Transactions on Internet & Information Systems, 2025, Vol 19, Issue 12, p4503, 1976-7277, [10.3837/tjis.2025.12.016](https://doi.org/10.3837/tjis.2025.12.016) (SCIE)
3. Hina Singh, Preeti Yadav et al. "Hybrid Optimized 3D Localization for WSN-Assisted IoT Networks in Smart Agriculture. International Journal of Mathematical, Engineering and Management Sciences, Vol. 10, No 6, 2025. (ESCI)
4. Kadam, P.A., Bhushan, S., Rishiwal, V., P. Yadav *et al.* ValidCertify: an effective blockchain-based domain certificate authentication and verification scheme. *Peer-to-Peer Netw. Appl.* **18**, 177 (2025). <https://doi.org/10.1007/s12083-025-02010-y> (SCI)
5. Agarwal, U., Rishiwal, V., Yadav, M., Yadav, P. *et al.* Blockchain and homomorphic encryption based system for secure supply chain network against counterfeit drugs. *Peer-to-Peer Netw. Appl.* **18**, 176 (2025). <https://doi.org/10.1007/s12083-025-01994-x>. (SCI)
6. Vinay Maurya, Vinay Rishiwal, Mano Yadav, Preeti Yadav, Rashmi Chaudhry, "Blockchain-enabled secure and efficient task allocation for IoT networks using enhanced fuzzy reptile search algorithm", Internet of Things, Volume 33, 2025, 101708, ISSN 2542-6605, <https://doi.org/10.1016/j.iot.2025.101708>. (SCI)
7. Sharmila, A., Rishiwal, V., Kumar, P., Yadav P. *et al.* Secure Hybrid Data Transmission Protocol for WSN with Key Management and Message Authentication. *SN COMPUT. SCI.* **6**, 401 (2025). <https://doi.org/10.1007/s42979-025-03946-x>. (Scopus Indexed)
8. Singh H, Yadav P., Vinay Rishiwal *et al.* "Localization in WSN-Assisted IoT Networks Using Machine Learning Techniques for Smart Agriculture". *Int J Commun Syst*, 2025; (SCIE)
9. Maurya, V., Rishiwal, V., Yadav, M. *et al.* Blockchain-driven security for IoT networks: State-of-the-art, challenges and future directions. *Peer-to-Peer Netw. Appl.* **18**, 53 (2025). <https://doi.org/10.1007/s12083-024-01812-w> (SCIE)
10. V. Rishiwal, U. Agarwal, M. Yadav, A. Alotaibi, P. Yadav and S. Tanwar, "Blockchain-Secure Gaming Environments: A Comprehensive Survey," in *IEEE Access*, vol. 12, pp. 183466-183488, 2024, doi: 10.1109/ACCESS.2024.3510467. (SCIE).
11. Sarthak, Rishiwal, V., Yadav, P. *et al.* Fine tuning the large language pegasus model for dialogue summarization. *Int. j. inf. tecnol.* **17**, 1165–1177 (2025). <https://doi.org/10.1007/s41870-024-02307-w> (Scopus Indexed)
12. P. Yadav *et al.*, "Investigation and Empirical Analysis of Transfer Learning for Industrial IoT Networks," in *IEEE Access*, vol. 12, pp. 173351-173379, 2024, doi: 10.1109/ACCESS.2024.3499741 (SCIE)
13. U. Agarwal *et al.*, "Exploring Blockchain and Supply Chain Integration: State-of-the-Art, Security Issues and Emerging Directions," in *IEEE Access*, doi: 10.1109/ACCESS.2024.3471340, 2024, (SCIE)
14. V. Rishiwal, U. Agarwal, A. Alotaibi, S. Tanwar, P. Yadav and M. Yadav, "Exploring Secure V2X Communication Networks for Human-Centric Security and Privacy in Smart Cities," in *IEEE Access*, vol. 12, pp. 138763-138788, 2024, doi: 10.1109/ACCESS.2024.3467002.2024, (SCIE)
15. Yadav, P., Sharma, S.C. An Efficient Optimal Localization Technique for WSN Using Hybrid Machine Learning Algorithms. *Wireless Pers Commun* (2024). <https://doi.org/10.1007/s11277-024-10892-z> (SCIE)
16. Yadav, P., Sharma, S.C. Unveiling the Cutting Edge: A Comprehensive Survey of Localization Techniques in WSN, Leveraging Optimization and Machine Learning Approaches. *Wireless Pers Commun* **132**, 2293–2362 (2023). <https://doi.org/10.1007/s11277-023-10630-x> (SCIE)
17. Yadav, P., Sharma, S.C., Singh, O. *et al.* Optimized Localization Learning Algorithm for Indoor and Outdoor Localization System in WSNs. *Wireless Pers Commun* **130**, 651–672 (2023). <https://doi.org/10.1007/s11277-023-10304-8> (SCIE)
18. Yadav P, Sharma SC. A Systematic Review of Localization in WSN: Machine Learning and Optimization-Based approaches. *Int J Commun Syst*. 2022; e5397 [doi:10.1002/dac.5397](https://doi.org/10.1002/dac.5397) (SCIE)
19. Yadav P, Sharma SC, Rishiwal V. Hybrid localization scheme using K-fold optimization with machine learning in WSN. *Int J Commun Syst*. 2022;35(12): e5206. [doi:10.1002/dac.5206](https://doi.org/10.1002/dac.5206)(SCIE)
20. Yadav, P. *et al.* Optimizing Energy Consumption in IoT-Based Scalable Wireless Sensor Networks (ESCI). *International Journal of System Dynamics Applications*. 2021: 2160-9772. <https://doi.org/10.1007/s10489-022-03207-x> (ESCI)
21. Yadav, P. *et al.* A Bio-inspired Hybrid Cross-Layer Routing Protocol for Energy Preservation in WSN-Assisted IoT. *KSII Transactions on Internet and Information Systems*. VOL. 15, NO. 4, Apr. 2021. (SCIE)
22. Yadav, P. *et al.* Fog with IoT Architecture: Potential applications and Challenges. *Mukt Shabd Journal*. Volume VIII, Issue VI, JUNE/2019, pp. 54-63, ISSN NO: 2347-3150. (UGC-CARE)
23. Yadav, P., *et al.* Machine Learning in Wireless Sensor Networks: A Survey. *International Journal of Research*. Volume VII, Issue VI, June/2018, pp. 777-789, ISSN NO:2236-6124. (UGC-CARE)
24. Yadav P. *et al.* Benchmarking of Routing protocols for WSN. *Parishodh Journal*. Volume V, Issue I, Jan-

- June/2016, 4 pages, ISSN NO:2347-6648. (UGC-CARE)
25. Yadav, P. et al. Security Loopholes and Passive attacks for M-Commerce in PKI Based Infrastructure. International Journal of Advance Technology in Engineering and Science. Volume No 03, Special Issue No. 01, February 2015, pp. 54-62, ISSN (Online): 2348 – 7550.
 26. Yadav, P. et al. Study of Hindi Word Sense Disambiguation Based on Hindi WordNet. International Journal for Research in Applied Science and Engineering Technology (IJRASET). Vol. 2 Issue V, May 2014, pp. 390-395, ISSN: 2321-9653.
 27. Yadav, P. et al. Energy Attentive Multicast Routing Protocol for MANETs. JASC: Journal of Applied Science and Computations. Volume 1, Issue 1, January-June/2014, pp. 134-139. ISSN NO: 1076-5131.
 28. Yadav, P. et al. A New Approach to Reduce the Delay with Balanced Hardware Requirement in SAD Technique. International Journal of Research. Volume 2, Issue II, July-Dec/2013, pp. 225-229. ISSN NO: 2236-6124.
 29. Yadav, P. et al. Mining Association Rules Based Approach to Word Sense Disambiguation for Hindi Language. International Journal of Emerging Technology and Advanced Engineering. Volume 3, Issue 5, May 2013. Pp. 470-473. ISSN 2250-2459.

Papers Published in Conferences

1. R. Yadav, P. Yadav, K. Kumar, V. Kumar and C. Tiwari, "Zero-Knowledge Proof-Based Edge-Assisted Blockchain Framework for Privacy-Preserving and Scalable IoT Networks," 2026 IEEE 4th International Conference on Device Intelligence, Computing and Communication Technologies (DICCT), Dehradun, India, 2026, pp. 443-448, doi: 10.1109/DICCT69099.2026.11536001
2. S. Giri, P. Yadav, V. Rishiwal, K. Kumar and M. Yadav, "Machine Learning and Optimization Based Cow Health Prediction," 2026 International Conference on Intelligent Computing and Automation for Sustainable Solutions (ICASS), Faridabad, India, 2026, pp. 1-6, doi: 10.1109/ICASS69550.2026.11547701.
3. A. N. Mishra, P. Yadav, V. Rishiwal, K. Kumar and M. Yadav, "A Privacy-Respecting Federated Approach for Non- IID ECG Signal Classification using Adaptive Aggregation," 2026 International Conference on Intelligent Computing and Automation for Sustainable Solutions (ICASS), Faridabad, India, 2026, pp. 1-7, doi: 10.1109/ICASS69550.2026.11547744.
4. P. Yadav, V. Rishiwal, S. Yadav, M. Yadav, G. V. Tjamburo and C. Singh, "Hybrid Sensor Node Localization Approach in WSN-Assisted IoT for Smart Agriculture," 2025 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), Windhoek, Namibia, 2025, pp. 1225-1230, doi: 10.1109/ETNCC66224.2025.11299738.
5. S. Sharma, V. Rishiwal, E. Nepolo, M. Yadav, P. Yadav, D. S. Jat, et al. (2025). Lung Cancer Detection Based on Histopathology Images by Using Transfer Learning.
6. V. Maurya, V. Rishiwal, A. Jain, P. Yadav, M. Yadav, A. Yadav, et al. (2025). Blockchain-based Task allocation in IoT Networks.
7. Singh H., Yadav P. et al. (2025). Towards Energy-Efficient Optimized Localization in Wireless Sensor Networks In: Device Intelligence, Computing and Communication Technologies (DICCT-2025), IEEE.
8. Singh H., Yadav P. et al. (2024). Reptile Search and LLE-based Node Localization in WSN-assisted IoT In: International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), IEEE.
9. S. Pandey, V. Rishiwal, D. S. Jat, P. Yadav, M. Yadav and A. Jain, "Towards Securing the Digital Document Using Blockchain Technology with Off-Chain Attribute Based Encryption Framework," 2024 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), Windhoek, Namibia, 2024, pp. 857-864, doi: 10.1109/ETNCC63262.2024.10767571.
10. V. Maurya et al., "Blockchain-Enabled Defence Strategy for Attacks Prevention and Detection in IoT Ecosystem," 2024 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), Windhoek, Namibia, 2024, pp. 1-8, doi: 10.1109/ETNCC63262.2024.10767479.
11. Yadav, P., Arora, N., Sharma, S.C., Vishwakarma, S. (2024). Machine Learning-Based Node Localization in IoT-Assisted WSN: An Initial Framework for Real-Time Applications. In: Pant, M., Deep, K., Nagar, A. (eds) Proceedings of the 12th International Conference on Soft Computing for Problem Solving. SocProS 2023. Lecture Notes in Networks and Systems, vol 994. Springer, Singapore. https://doi.org/10.1007/978-981-97-3180-0_9
12. Kumar, K., Yadav P. et al. Optimizing RF Parameters in Novel Si1-xGex/GaAs JLTFET through Ge Mole fraction variation, IEEE International Conference on Electrical, Electronics, Communication and Computers, Joint collaboration (Drone Research Centre, IIT Roorkee, IEEE Roorkee Subsection IEEE U.P. GRSS), 2023.
13. Yadav, P. et al. Machine Learning Based Techniques for Node Localization in WSN: A Survey, International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE, Graphic Era University, Dehradun, India.
14. Yadav, P. et al. Localization in Precision Agriculture: A Machine Learning Perspective, International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE Graphic Era University, Dehradun, India.
15. Joshi, N., Yadav, P. IEEE 802.11 DCF MAC Protocol for CR-Enabled WLAN in AdHoc and Infrastructure

- modes, International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE, Graphic Era University, Dehradun, India.
16. Kumar, K., Yadav, P. et al. Impact of Ge Mole Fraction on the Performance of Si1-xGex/InAs Charged Plasma-Based JLTFT, International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE Graphic Era University, Dehradun, India.
 17. Yadav, P. and S.C. Sharma, Q-Learning Based Optimized Localization in WSN, International Conference on Information Systems and Computer Networks (ISCON-2023), IEEE, GLA University, Mathura, India, 2023.
 18. Singh, O., Yadav, P. et al. QoS-Attentive Learning-based Routing for Scalable WSNs, Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence, 2021, Windhoek Namibia.
 19. Yadav, P. et al. Cloud Data Security: Opportunities and Challenges, IEEE ICACCA 2019, ISBN 978-1-7281-5111-3, MJP Rohilkhand University, Bareilly.
 20. O. Singh, V. Rishiwal, L. Kumar and P. Yadav, "Secure Energy Aware Routing in Wireless Sensor Networks," *2019 4th International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU)*, Ghaziabad, India, 2019, pp. 1-6, doi: 10.1109/IoT-SIU.2019.8777705.
 21. Yadav P. and Vishwakarma, S. Application of Internet of Things and Big Data towards a smart city, IoT-SIU, ISBN 978-93-82972-11-9, 2018, Birla Institute of Applied Sciences, Bhimtal, UK.
 22. Yadav, P. et al. Collaboration of social Platform and Its Future with Internet of Things, SMART, 2017, TMU, Moradabad, U.P.
 23. Vishwakarma, S., Yadav, P. Enhancement of Spectral Efficient Modulation by Hybridization of Different Modulation Technique for Fiber Transmission (2017), ICACCA, ISBN 978-93-82972-11-9, 2017, Tula's Institute, Dehradun.
 24. Yadav, P. et al. Collaboration of social Platform over IoT (Feb-2017), IoT-SIU, ISBN 978-93-82972-11-9, 2017, MJP Rohilkhand University, Bareilly

Chapter/Paper Published in Edited Books

1. S. Vishwakarma, A. Pillia, D. Punj, P. Yadav et al. Integrating Image Processing and Deep Learning for Effective Image Dehazing, Integrating Image Processing and Deep Learning for Effective Image Dehazing, Advanced Image Processing and Video Intelligence Applications (2026) 1: 1. <https://doi.org/10.2174/9798898815912126010004>.
2. Yadav P., Vishwakarma S. et al. Deep learning-based Word Sense Disambiguation for Hindi Language using Hindi WordNet Dataset (2024) In: A Handbook of Computational Linguistics: Artificial Intelligence in Natural Language Processing, Bentham Science (ESCI).
3. Vishwakarma S., Yadav P. et al. (2024) Integrating Image Processing and Deep Learning for Effective Image Dehazing In: Image Intelligence: Transforming Everyday Life with Image Processing Technology", Bentham Science (ESCI, Accepted).
4. Chaudhry, R., Rishiwal, V., Yadav, P. et al. (2023). Automatic Smart Irrigation Method for Agriculture Data. In: Rishiwal, V., Kumar, P., Tomar, A., Malarvizhi Kumar, P. (eds) Towards the Integration of IoT, Cloud and Big Data. Studies in Big Data, vol 137. Springer, Singapore. https://doi.org/10.1007/978-981-99-6034-7_4 Towards the Integration of IoT, Cloud and Big Data: Automatic Smart Irrigation Method for Agriculture Data 978-981-99-6033-0, 515839_1_En, (Chapter 4), pp 57-23, Springer, 2023.
5. Rishiwal, V., Yadav, P. et al. (2023). Artificial Intelligence Based Plant Disease Detection. In: Rishiwal, V., Kumar, P., Tomar, A., Malarvizhi Kumar, P. (eds) Towards the Integration of IoT, Cloud and Big Data. Studies in Big Data, vol 137, pp 75-96, Springer, Singapore. https://doi.org/10.1007/978-981-99-6034-7_5
6. Yadav P. et al. (2022) Blockchain and 6G Communication with Evolving Applications In: Vinay Rishiwal, Sudeep Tanwar, Rashmi Chaudhry, Forecasts and Challenges 6G communications with evolving applications: Forecasts and Challenges, (Chapter 8), 20 Pages, CRC Press, 2022. DOI: [10.1201/9781003264392-8](https://doi.org/10.1201/9781003264392-8).
7. Singh, O., Yadav, P. et al. AI based Renewable Energy with Emerging Applications (2021) In: Suman Lata Tripathi, Mithilesh Kumar Dubey, Vinay Rishiwal, Sanjeevikumar Padmanaban, Introduction to AI Techniques for Renewable Energy System, (Chapter 3), 14 Pages, CRC Press, eBook ISBN 9781003104445, 2021.

Text Book

1. Handbook on Python Navigating AI and Machine Learning, 2024, By Preeti Yadav, Technical and Scientific Publisher.

Projects

1. **Completed** Project on "Optimized Energy Consumption Routing for IoT based Large Wireless Sensor Networks", TEQIP III, MHRD, Rs. 3,50,000, 2019-2020.
2. **Ongoing** Project on "Design of an Innovation AI and IoT- Based Framework for Livestock/ Stray Animal

Surveillance and Health Monitoring in India”, UPCST, Rs. 12.18 Lacs, 2024. 3. Ongoing Project on “Securing the Pharmaceutical Supply Chain using Blockchain: Mitigating Counterfeit Drugs and Optimizing Supply-Demand Dynamics in the Drug Industry for Public Health”, Centre of Excellence, Rs. 3.85 Lacs., 2024. 4. Ongoing Project on “Land Use and land cover transformation analysis using deep learning”, U.P. Higher Education under R&D Scheme, 1.76 Lacs, 2024
Research Guidance
Ph.D. Supervision 1. Thesis Awarded (Feb 2026): Supervised the Ph.D. thesis of Ms. Hina Singh, titled "Development of Machine Learning-Based Localization Schemes for Smart Agriculture in WSN-Assisted IoT," awarded in February 2026. M.Tech. Dissertation Supervision 1. Mr. Aditya Nath Mishra (2024–25): A Privacy-Respecting Federated Approach for Non-IID ECG Signal Classification Using Adaptive Aggregation (Completed) 2. Ms. Seema Giri (2024–25): Machine Learning and Optimization-Based Cow Health Prediction (Completed)
Awards and Recognitions
1. “Exemplary Engineering Award” in the category of Women in Engineering Excellence Award by Institute of Engineers on 15th September 2015. 2. Research Paper has been recognized as top viewed articles of the Year 2025 (International Journal of Communication System, Wiley) 3. Women in Data Science (WiDS) Ambassador, 2024 onwards 4. Best Research Award for the Year 2022 by GEH Research, JAPAN 5. Award for supporting “Martyr's Daughter” by THE INSTITUTE OF Company Secretaries of India, 16th September, 2022
Delivered Talks/ Resource Persons
1. Invited as Resource Person in 6 days Workshop on “AI and ICT Tools for the Next Generation Educators and Researchers” from 21st April to 26th April 2025 at Unity P.G College Lucknow. 2. Keynote Speaker in 4th International Conference on “Machine Learning, Advances in Computing, Renewable Energy and Communication held on 28-29 November 2023. 3. Invited talk in workshop: HERlytics: Bridging the Gender Gap in Data Science from 05 Dec 2024 to 16th Dec 2024. 4. Delivered Talk in an international conference, ICAREMIT-2020. 5. Invited Lecture on the Topic Deep Learning, Tula’s Institute, Dehradun. 6. Invited Lecture on the Topic Genetic AI, Tula’s Institute, Dehradun 7. Invited Lecture on the Topic Data Science, Tula’s Institute, Dehradun
Seminars/ Workshops Organized
1. National webinar on Tech Start-Ups, Pathways: Invention to Innovation, 1 August 2020, Coordinator, IEEE MJPRU Bareilly Branch. 2. National Webinar on Innovation Practices: Insight and Trends, 31 July 2020, Coordinator, IEEE MJPRU Branch. 3. International Webinar on Data Science, AI and Soft Computing, 20 July 2020, Coordinator, IEEE MJP RU Branch and PSIT Kanpur Branch. 4. International Conference (IEEE), ICACCA, 29-30 November 2019, Member, Organizing Committee, Department of CSIT, co-sponsored by IEEE Up Section and TEQIP MJPRU. 5. International Conference, ICAREMIT, 01-03 Feb, 2020, Member, Organizing Committee, TEQIP III MJPRU, Bareilly. 6. Workshop on Art of Writing Quality Research Paper, 14-15 July, 2018, Member, Organizing Committee, TEQIP-III, MJPRU, Bareilly. 7. IEEE International Conference, IoT-SIU, 23-24 Feb, 2018, Member, Organizing Committee, BIAS, Bhimtal, UK. 8. IEEE, International Symposium, IoT-SIU, 28th Feb- 1st March 2017, Member, Organizing Committee, TEQIP-II, MJP Rohilkhand, University, Bareilly. 9. IEEE, International Conference on ICACCA, 30 Sept-01 Oct, 2016, Member, Organizing Committee, TEQIP-II, MJPRU, Bareilly.

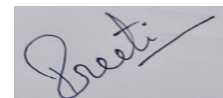
10. One week workshop on Personality Development Skills, 23-27 Oct 2013, Member, Organizing Committee, TEQIP-II, MJP Rohilkhand, University, Bareilly.
11. Faculty Development Program on “Parallel & Distributed Computing”, 15-19 Feb 2012, Member, Organizing Committee, Department of CS & IT, FET, MJP Rohilkhand University, Bareilly

STC/FDP/ Workshops/ Webinar attended

1. 21 Days Masterclass on Autonomous Vehicle Design, 11/03/2024- 31-03-2024, Pantech e Learning Pvt Ltd.
2. 21 Days Masterclass on C++ Programming, 26/02/2024- 17-03-2024, Pantech e Learning Pvt Ltd.
3. 21 Days Masterclass on Generative AI, 08/01/2024- 27-01-2024, Pantech e Learning Pvt Ltd.
4. 2-week STC on MIMO Technologies, 18/04/22- 29/04/22, QIP, AICTE, New Delhi
5. One Week Online Training Program on “Statistical Data Analysis using "R" Software”, December 21-27, 2021, Science Tech Institute (Run by MKS Educational Society), Lucknow, UP India.
6. One Week program on “UNPACKING E-MOBILITY TECHNOLOGIES FOR INDIA”, November 20 - 24, 2021, Scheme for Promotion of Academic and Research Collaboration (SPARC) of Ministry of Education, Govt. of India.
7. 2-week FDP on “Machine Learning for Data Science Applications” through Uttaranchal Institute & Technology 08th July 2021 to 21st July 2021, UIT, Uttaranchal University, Dehradun.
8. One Week International FDP on “Recent Trends in Electrical Engineering and Applications” 8-13 August, 2020, Department of Electrical Engineering, MJP Rohilkhand University, Bareilly.
9. Webinar on “Role of Women Entrepreneurs in Socio-Economics Development of India”, August 2020, RKGITWE & EDTIC, RKGIT, Ghaziabad.
10. 2 Days International workshop on “Going online: Classroom, Field Work and Research (JNU-WETOM IV)”, 11-12 July 2020, JNU, New Delhi.
11. International Workshop on “Empowering Teaching Through Online Mode (JNU-WETOM IV)”, July 2020, JNU, New Delhi.
12. National Webinar on Assessment & Accreditation Process of NACC, July 2020, IQAC, MJP Rohilkhand University, Bareilly.
13. National Webinar on “Detecting Additive use of Digital Technology using AI”, 2020, MJP Rohilkhand University, Bareilly.
14. Webinar on “Modern Methods for Remote Teaching – Learning Practices, 25th May 2020, FET & SWAYAM-NPTEL Committee, Gurukul Kangri University, Haridwar.

Any Other Details

- Member of various Departmental and University level committees as BOS, MCA Ordinance, IQAC, Open and Distance Learning, UFM, Examination, RTI, Cultural, Technical Fest etc.
- Mentoring of students under IEEE and ACM Club.
- Member, IEEE (Membership Number: 96107005)
- Member, ACM (Membership number: 7449947)
- Participated in many seminars/Symposiums for women empowerment
- Organized many plantations drives



(Preeti Yadav)