

## FACULTY PROFILE



**Name:** Dr. Deepak Sharma

**Designation:** Assistant Professor

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**Professional Qualification:** Ph.D, M.Tech (CSE), MCA

### **Publications (Journals & Conferences):**

- Research article titled “Optimizing Transformer-Based Vulnerability Detection and Patch Generation Using Multi-Swarm AI-PSO” was published in the journal *Recent Advances in Computer Science and Communications* on 24 March 2026. The article was contributed by Dr. Deepak Sharma (ORCID: 0009-0002-7383-6362) and is available at: <https://www.eurekaselect.com/article/153983>.
- “Enhancing Medical Image Segmentation with Recurrent Neural Network Architectures” was published as a conference paper in the *2024 2nd International Conference on Disruptive Technologies (ICDT 2024)* in 2024. The paper is associated with DOI: 10.1109/ICDT61202.2024.10489522, EID: 2-s2.0-85191263410, and ISBN: 979-8-3503-7105-5.
- Research paper titled “Advanced Clustering and Predictive Modeling Using AI/ML Algorithms in Smart Healthcare” was published in the Proceedings of the 2024 International Conference on Communication Computing and Energy Efficient Technologies (I3CEET 2024). The paper was published in 2024 with DOI: 10.1109/I3CEET61722.2024.10994147, EID: 2-s2.0-105007929164, and ISBN: 979-8-3315-4158-3.
- Research paper titled “Real-Time Data Analysis: A Machine Learning Approach to Optimization” was published in the Proceedings of the 2024 International Conference on Communication Computing and Energy Efficient Technologies (I3CEET 2024) as a conference paper in 2024. The publication is associated with DOI: 10.1109/I3CEET61722.2024.10994170, EID: 2-s2.0-105007945204, and ISBN: 979-8-3315-4158-3.

- Research paper titled “Utilizing Artificial Intelligence for Advance Data Science and Analysis” was published in the 2024 2nd International Conference on Disruptive Technologies (ICDT 2024) as a conference paper in 2024. The publication is associated with DOI: 10.1109/ICDT61202.2024.10489078, EID: 2-s2.0-85191239193, and ISBN: 979-8-3503-7105-5.
- Research Paper published on the topic “A System Based on AI and ML Enhanced To Investigate Physiological Markers For User Forecasting Decision-Making” in IEEE international conference (IC3SEA-2023) held at Study world college of Engineering, Coimbatore in 5-6 may 2023.
- The research paper titled “Facial Recognition System for Security Resolutions in Smart City” was published in the *International Journal of Advanced Research in Engineering and Technology (IJARET)*, Volume 11, Issue 10, October 2020, pp. 146–151. The journal was Scopus Indexed at the time of publication. The paper is associated with DOI: 10.34218/IJARET.11.10.2020.014.
- Research paper titled “Data Compression using Huffman Coding Techniques & Comparison” was published in Volume 7, Issue 2, July 2020 of the *International Journal of Innovative Research in Technology (IJIRT)*. The publication is associated with ISSN: 2349-6002.

**Awards and Achievements:** Best teacher Award-2024

**Workshops/Seminars/FDPs:**

1. Attended a National seminar on “Innovations in network security” organized by IPPEM, Ghaziabad in 2010.
2. Attended a National workshop on “Issues and challenges of Indian banking” organized by BIT, Meerut in 2011.
3. Attended a National workshop on “Impact of IT on society” organized by “Gautam Buddha University”, Greater Noida in 2011.
4. Attended a National workshop on “Software Testing” organized by KIET, Ghaziabad in 2011.
5. Attended a National workshop on “Information security and Ethical hacking” organized by Appin Technology lab in SITE, Meerut.
6. Participated in a National seminar organized by gitarattan business school, Delhi on the topic “National IT seminar on Cyber security” on 1 Feb. 2012.
7. Attended a National seminar on “Emerging paradigms of information technology in Management” organised by Institute of professional excellence & management (IPPEM), Ghaziabad on 17 march

2012.

8. Attended a National workshop on “Introduction to Intellectual Property rights “organized by Mewar University, Rajasthan and sponsored by Department of Science and Technology, Ministry of India on 2 April 2012.

9. Attended an International Summit (Global industrial forum) as a VIP guest on “Mobile network Optimization India” organized by IQPC, held in The Park Hotel, New Delhi on 15 June 2012.

10. Attended a Symposium on “Sexual offences against women and Law” Held in Monad university on date 15 December 2013.

11. Participated and Presented Paper in a FDP on “Mobile Computing” in Monad University on date 07.10.2016

12. Attended a Workshop on “Internet of Things” in Monad University on date 06.08.2018.

13. Attended a FDP on “Digital tools for teaching and learning” from 25.7.22 to 29.7.22 at SRMIST NCR Campus Modinagar.

14. Attended a FDP on “Wearable devices for IoT and microwave infrastructure” from 20.12.22 to 25.12.22 at SRMIST NCR Campus Modinagar.

15. Attended a FDP on “Developing Healthy Work Culture” from 13-17 march 2013 at SRMIST NCR Campus Modinagar.

16. Attended a FDP on “UHV-I” & “UHV-II” at SRMIST NCR Campus Modinagar.

**Work Experience:** 17.5 years

**Professional Memberships:** NA