



Dr. Mukesh Kumar

[**Dr. Mukesh Kumar** is an Assistant Professor & HoD in the Department of Computer Science with over 14 years of teaching experience. He holds a **Ph.D. in Computer Science**, is **UGC-NET qualified**, has Master of Computer Applications (**MCA**) degree and published several research papers in reputed national and international journals. His academic and research expertise lies in Artificial Intelligence, Machine Learning, and Edge based IoT Applications. With a strong passion for nurturing young minds, Dr. Kumar has been actively engaged in guiding students, fostering innovation, and promoting a learner-centric academic environment.]

Educational Qualifications:

- Ph.D. (Computer Science), MCA, PG-DAC (C-DAC)

Research Interests:

- Artificial Intelligence and Machine Learning
- Wearable IoT Devices for Healthcare
- Cloud Computing, Edge and Fog Computing, Network Security

Recent Publications:

- Transforming Healthcare in Bihar with IoT based Smart Health Monitoring Systems: Challenges and Opportunities, IRJAEM, Vol.03, ISSN:2584-2854, <https://doi.org/10.47392/IRJAEM.2025.0244>
- Comprehensive Study of Wearable IoT Devices in Healthcare: Applications and Future Directions (Shodh Samagam, Vol.08, ISSN: 2581-6918 (Online), 2582-1792 (PRINT), https://shodhsamagam.com/uploads/issues_tbl/1742973982omprehensive-Study-of-Wearable-IoT-Devices-in-Healthcare-Applications-and-Future-Directions.pdf
- Opportunities and Challenges in the Implementation of IoT Applications for Health Monitoring of Elderly People in the Indian Scenario, IRJAEH, ISSN: 2584-2137, <https://doi.org/10.47392/irjaeh.2024.0062>
- Optimizing Security for Remote Patient Monitoring with Edge Computing Strategies, IRJAEM, ISSN:2584-2854, <https://doi.org/10.47392/irjaem.2024.0207>

- A Comprehensive Study on the Opportunities and Challenges of E-commerce in Bihar, International Journal of Innovations in Science Engineering and Management (IJISEM), ISSN: 2583-7117, <https://ijisem.com/journal/index.php/ijisem/article/view/103>

Recent Seminars and FDPs:

- Presented research paper titled “Transforming Healthcare in Bihar with IoT based Smart Health Monitoring Systems: Challenges and Opportunities” in International Seminar on 11th April 2025 organized by Department of Computer Science, SXCMT, Patna.
- Presented research paper titled “Exploring the Opportunities, Security Vulnerabilities, and Privacy Risks in Edge Centric Health Monitoring Systems” in National Seminar on 18th January 2025 organized by Department of Commerce, SXCMT, Patna.
- Participated in FDP on “AI Tools for Higher Education” organized by SXCMT, Patna in May 2025.
- Participated in FDP on “Empowering Smart Healthcare with Deep Learning: From Data to Diagnosis” organized by E&ICT, NIT, Patna in June 2025.
- Participated in FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from in June 2025.
- Participated in FDP on “NEP 2020 Orientation and Sensitization Program” under Malviya Mission Teacher Training Programme organized by Indian Institute of Technology (IIT) Patna in January 2024.

Contact Information:

St. Xavier’s College of Management & Technology, Patna

Email: mukeshkumar@sxcpatna.edu.in

Xavier University, Patna

Email: mukesh.kumar@xup.ac.in