Pradeep Kr Sharma

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Profile

Pradeep Kr. Sharma is an Assistant Professor in the Department of Computer Science & Engineering at The ICFAI University, Jaipur, with a teaching career spanning more than a decade and a half across engineering colleges in Rajasthan. He is adaptable and collaborative in his approach to teaching, works well both independently and within teams, and is known for exploring innovative ideas toward problem solving, aiming throughout his career to serve technical education and give his best to every institution he has been part of. He is proficient in C, C++ and BASH shell scripting, and works comfortably across Windows, Linux and Unix environments.

Pradeep's academic foundation began with a B.E. in Computer Science & Engineering from SMCET, Phagi, Jaipur, under the University of Jaipur (2008), followed by an M.Tech. with a specialization in Computer Science from Singhania University, Jhunjhunu (2012). He is currently pursuing a Ph.D. in High Performance Computing Systems at the Swami Keshvanand Institute of Technology, Jaipur (a research centre of Rajasthan Technical University, Kota), having been admitted to the programme in January 2022.

Since February 2025, Pradeep has served as Assistant Professor at The ICFAI University, Jaipur, teaching Operating Systems, Object-Oriented Programming using C++, Machine Learning and Shell Programming. Before joining ICFAI, he taught at JECRC Foundation, Jaipur (October 2019 – February 2025), covering Computer Graphics and Multimedia, Operating Systems, Computer Architecture and Organization, and Digital Communication and Computer Networks; at JIT College, Jaipur (January – September 2019), teaching Operating Systems & Concepts, OOP's using C++ and Shell Programming; and at JECRC UDML College of Engineering, Kukas (February 2010 – June 2017), where he taught Operating Systems & Concepts, Shell Programming, OOP's using C++, Programming and Problem Solving (PPL), and Human Computer Interface.

Pradeep's research interests span EEG signal classification, brain-computer interfaces, and applied machine learning and deep learning. His most recent publication, an integrated review of EEG signal classification models for SSVEP, attention and motor imagery using machine and deep learning algorithms, appeared in the Journal of Mechanics of Continua and Mathematical Sciences in 2026. Earlier work includes a study on exploring altered states of consciousness using brain-computer interfaces, accepted at the Third International Conference on Emerging Trends in Expert Applications & Security (ICE-TEAS 2024, technically supported by Springer, CSI and ACM), alongside conference papers on WebRTC-based video calling applications, machine-learning-based driver warning systems for self-driving cars, driverless car mobility, Spark cluster implementation with Scala, mobile ad-hoc networks, and database transaction issues in networked systems, published across national conferences and journals including IJSRP and IJARCSSE between 2012 and 2023.

Beyond teaching and research, Pradeep has taken on a range of institutional responsibilities: he has worked with the IIEC team, served as IBM Certification Coordinator, and contributed to the Internship

Program team at The ICFAI University, Jaipur; supported NAAC accreditation and served on the Departmental Examination Cell and Project Committee at JECRC; coordinated a Non-Voice BPO course under the DDU-GKY skill programme at JIT College; and contributed to NBA accreditation and served as CSE Department TPO for a year at JECRC UDML. He also developed a biometric software solution for cooperative banks under a government project development programme. He continues to build his expertise through certifications and faculty development programmes on cloud computing, quantum computing, cybersecurity, outcome-based education, data analytics, and research methodology, including WIPRO's "Mission 10X" faculty training and Google Cloud Computing Fundamentals and Career Readiness courses.

Education

Degree	Institution	Year
Ph.D. (Pursuing)	Swami Keshvanand Institute of Technology, Jaipur (RTU Kota)	Admitted January 2022; High Performanc Computing Systems
M.Tech. (Computer Science)	Singhania University, Jhunjhunu, Rajasthan	June 2012, 64%
B.E. (Computer Science & Engg.)	SMCET, Phagi, Jaipur (University of Jaipur)	June 2008, 61%
Higher Secondary (12th)	Board of Secondary Education, Rajasthan	75.56% (83% in PCM)
Secondary (10th)	Board of Secondary Education, Rajasthan	80.36% (92% in Science & Maths)

Selected Recognition

- 70th position among the top 100 meritorious students in the 10th Board 1997 examination, awarded a scholarship.
- State-level champion in Athletics — 100m, 200m, hurdles and relay race.
- Certified in the WIPRO "Mission 10X (ARAMBH)" Faculty Training Programme and a NITTTR Chandigarh short-term course on Cloud Computing (MHRD-supported).