

Mr. Priyadarshi

Assistant Professor, Jaypee University of Information Technology, Solan

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MEMBER OF PROFESSIONAL BODIES	<i>Cryptography Research Society of India(CRSI) Computer Society of India Computer Science and Engineering Society,ISM Dhanbad</i>
SUBJECTS INTERESTED	<i>Convex optimization, AIML, Cultural Informatics, Language Processors Design, Theoretical Computer Sciences, Cryptography, Cyber Security</i>
RESEARCH INTERESTS	<i>Convex Optimization, VLSI Design, Information Security, Quantum Computing, Theoretical Computer sciences</i>
SUBJECTS TAUGHT	<i>Model Optimization and Efficiency, Sustainable AI, Artificial Intelligence and Machine Learning, Theoretical Computer Sciences, Cryptography, Cyber Security</i>
EDUCATION	<i>Master of Technology in Computer Science and Engineering Indian Institute of Technology (Indian School of Mines), Dhanbad, India.</i> <i>Bachelor of Technology in Information Technology(Hons.) State Technical University of U.P, Lucknow, India.</i>
PERSONAL ACHIEVEMENTS	<i>FDP on Quantum Computation Under the Aegis of Meity, DST, MNIT Jaipur, July-Aug 2025 Short term course on Machine Learning using Python, NIT Warangal, Oct 2025 Short term course on Applied Deep Learning, NIT Kurukshetra, sep 2025 AICTE sponsored FDP on Metaverse UGC-NET Qualified for Assistant Professor in Computer Science and Application GATE -2012 Qualified Selected for doing 2 and half year PG Diploma Programme in Information & Interface Design at National Institute of Design. Selected for doing MS in Cyber Laws & Information Security at IIIT-Allahabad.</i>
TECHNOLOGY SKILLS	<i>GIS, IoT, Cloud Computing. Tools: AVISPA, LaTeX, SAGE, AI Tools.</i>
TRAINING AND EXCURSIONS	<i>GIAN Course of credit 2 on PKI and Trust Management NIT, Goa, MHRD.</i> <i>Trainee in Fixed Line Access Telecommunication Engineering Centre, New Delhi.India.</i> <i>A weekend Course on Windows Networking & Security. Advanced Training Institute-EPI, Hyderabad,Telangana.India.</i>

PROJECTS	<i>M.Tech:Design of Efficient and Secure Ad hoc Based Public Key Infrastructure using Elliptic Curve Cryptography</i>
Academic Experiences	<i>Teaching Associate(TA) of Various Courses and labs both during my studies at IIT(ISM) Dhanbad</i>
Teaching Experience	<i>Assistant Professor in IGDTUW 2018</i> <i>Assistant Professor in HCST, Mathura, since Sep 2023</i> <i>Assistant Professor in COER University, Roorkee, April 2024</i> <i>Assistant Professor in Sharda University, Agra, since Sep 2024 to 2,July 2026</i>
Additional Responsibilities	<i>BOS Member</i> <i>Served as coordinator and incharge of various responsibilities at university level</i>
PUBLICATIONS	<i>Towards a Hybrid Public Key Infrastructure (PKI): A Review. IACR Cryptology ePrint Archive 2019: 784 (2019)</i> <i>Subgroup Operations in Identity Based Encryption Using Weil Pairing for Decentralized Networks. I. J. Network Security 21(6): 930-936 (2019)</i> <i>Lightweight Cryptography for Distributed PKI Based MANETS. CoRR abs/1804.06313 (2018)</i> <i>Node Authentication Using BLS Signature in Distributed PKI Based MANETS. CoRR abs/1708.08972 (2017)</i> <i>Presented a Paper on "A Glimpse at Lightweight Cryptography and its Application" in 2nd Hyderabad Security Conference (Nov 2014) conducted by DSCI under the Aegis of NASSCOM.</i>
Patents	Title: Intelligent face recognition system using deep recurrent neural network , NumberZA2022/11828A, Granted Title: IoT Based Cloud Integrated Climate Forecasting Robot , Number416810-001
CONFERENCES & WORKSHOPS ATTENDED	RAIT 2014,ISM Dhanbad. Attended a National level Workshop on MATLAB and its Application in Digital Signal Processings at IIIT-Allahabad,2013. Workshop on "Mathematical Ideas for PG Students" by CR Rao AIMSCS,Hyderabad. Workshop on " Mathematical Principles of Cryptography & Cryptanalysis" by SCIS,UoH. Code-Based Crypto Workshop by CR RAO AIMSCS & DRDO(SAG),New Delhi. Attending a workshop on PKI & Trust Management under GIAN,NIT,Goa. PKIC Conference by Cdac Bangalore and CCA, New Delhi
Teaching Statement	<i>AI Enthusiast with a strong commitment to fostering critical thinking and conceptual clarity among students. Experienced in delivering engaging, student-centered instruction using modern pedagogical techniques and real-world applications. Passionate about continuous learning and mentoring students to achieve academic and</i>

professional excellence.

REFERENCES

Dr Nageshwar Nath Pandey
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Prof. Mukesh Kedwal
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