

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

Department of Computer Science & Engineering

Faculty Achievements

Session: 2024-2025

Books/Book Chapters Publication

- Dr. Sandeep Sahu, Dr. Anju Singh, and Dr. Pravin Malviya have successfully published a book on **Operating System** with Chedur Publishing House, Chennai.
- Dr. Devendra Singh Rathor has published a book chapter on **Designing Chatbots for Educational Leadership** with IGI Global.
- Dr. Pravin Malviya has published a book on **Database Management System** with Prime International Publication.
- Prof. Priyanka Asthana on **Predicting Academic Performance of students:NANN Approach** with Wiley Publication
- Prof Susheel Kumar Gupta on **Healthcare: Impact of Artificial Intelligence** with Jerry Chun-Wei Lin.

Research Publication

- S. Suman, P. Malviya, S. Sahu, S. k. Dubey and J. Kumar, "**Enhancing Dynamic Facial Authentication Through HCI,**" 2024 First International Conference on Data, Computation and Communication (ICDCC), Sehore, India, 2024, pp. 580-585, doi: 10.1109/ICDCC62744.2024.10961260.
- D. Kumar Rathore, P. Kawadkar, I. J. Rajput, S. Sahu, P. S. Tomar and J. Mishra, "**Enhancing Heart Disease Prediction Accuracy Using Deep Learning Techniques,**" 2024 International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Application (ICAIQSA), Nagpur, India, 2024, pp. 1-6, doi: 10.1109/ICAIQSA64000.2024.10882449.
- Amrita Khera, Susheel Kumar Gupta, Urwashi Sad, Sandeep Sahu, Hemant Choubey, "**Fuzzy Set of Rules for Optimal Adaptive Selection of OFDM order And FFT Size for NB-IOT**", Procedia Computer Science, Volume 260, 2025, Pages 839-846, ISSN 1877-0509.
- R. P. Singh, H. Barhaiva, S. Sahu, J. Kumar and D. S. Rathore, "**A Review on Edge Computing: Security Considerations and Challenges,**" 2024 First International Conference on Data, Computation and Communication (ICDCC), Sehore, India, 2024, pp. 605-609.
- Priyanka Asthana: Published a paper titled "**Review of Encryption-Decryption for Image Data Sharing in Clouds**" in the International Journal of All Research Education and Scientific Methods (IJARESM), pages 1787-1791.
- Dr Akriti Jain "**An Investigation of Pima Indians Diabetes Database with Ensemble Approaches**", accepted in IEEE International Conference on Engineering Innovations and Technologies (ICoEIT 2025), held at LNCT, Bhopal, India.
- Prof Priyanka Asthana "**Feature selection of Student Academic Performance Data using Genetic Algorithm: An Empirical Study**" Paper Presented in —International Conference on Expanding Horizons in Artificial Intelligence & Data Science (ICEHAIDS-2024)

Design Patent/Utility Patent

S.No	Faculty Members	Title	Dated
1	Dr. Sandeep Sahu, Prof. Hitesh Gupta, Dr. Puneet Nema, Dr. Devendra Rathore, and Dr. Pushpendra Singh Tomar	System and Method for Optimizing AI Model Performance Using Meta-Learning	27.06.25
2	Dr. Deepak Singh Tomar, Dr . Devdas Saraswat, Prof. Sanjay kumat Gupta, Dr. Shatendra kumar Dubey, Prof Yakkala VenuGopal and Prof. Umesh Nayak	Mobile Ai Driven Computer Device For Secureoffline And Automated Data Analysis And Visualization Tasks In Field Of Enviroment	4.07.25
3	Dr.Huma Gupta, Dr . Subodhini Gupta, Ms.Devashri Deoskar ,and Dr. Sadhna K Mishra	Ai- Powered Real- Time Speech Plagiarism Detection System	4.07.25
4	Dr. Pravin Kumar Malviya, Dr. Sandeep Saju, Dr. Deepak Kumar Rathore, Prof. Himanshu Barhaiya, Prof Neelesh Gour and Prof. Jitendra Kumar	Computer Vision-Based Home Security System With Intelligent Intrusion Detection And Threat Analysis	4.07.25
5	Dr. Pushpendra Anuragi and Prof. Mohnish Patel	Autonomous AI-Based Adaptive Cooling System for High-Performance Industrial Machines	25.04.25
6	Dr. Pravin Kumar Malviya Dr. Prajeet Sharma, Bhuvnesh Singh Yadav, Dr. Pushpendra Anuragi, Jitendra Kumar, Dr. Saurabh Suman	Portable Devices For Dynamic Vulnerability Analysis: A Compact Solution For Proactive Information	4.07.25
7	DR Kamlesh NAMdev , Dr Sadhna Mishra,Dr Vivek Richhariya, Dr Tripti Saxena, Dr Vinnet Richhariya,Dr Shailendra Singh	Smart Street Light	5.07.25

NPTEL Certifications

We congratulate Prof. Susheel Kumar Gupta, Department of Computer Science & Engineering, on his recognition as an NPTEL STAR and other faculty members for their excellent efforts.

S.No	Faculty Name	Title	
1	Prof. Susheel Kumar Gupta*	Introduction to Industry 4.0 and Industrial IoT	NPTEL STAR
2	Dr. Huma Gupta	Software Testing	Elite Certified
3	Dr. Huma Gupta	Cloud Computing	Elite Certified
4	Dr. Devendra Singh Rathore	Software Testing	Elite Certified

5	Dr. Subodhini Gupta	Data Mining	Elite Certified
6	Prof. Devshri Deoskar	Data Mining	Elite Certified

Faculty Development Program Participation

We are delighted to witness the tremendous participated of our faculty members is different FDP at different prestigious institutes.

S.No	Faculty Name	FDP Title	Organizing Body
1	Prof. Bhuvnesh Singh Yadav	Deep Learning and Computer Vision in the Field of Clinical Research	AICTE
2	Prof. Devashri Deoskar	Qualification Pack of Cloud Computing - Jr. Analyst (TEL/Q6215)	LNCT
3	Dr. Devendra Singh Rathore	Generative AI “ Democratization of AI, Responsible AI	ATAL FDP
4	Prof. Diksha Rathore	Blockchain & web3	JNCT bhopal and Excelr EDtech pvt. Ltd
5	Dr Vivek Richhariya	Generative AI “ Democratization of AI	AICTE
6	Dr. Aakriti Jain	Quntum Computing	AICTE
		Inculcating Universal Human Values in Technical Educational	AICTE
		AI in Healthcare & Biomedical Imaging.	AICTE
7	Dr. Kamlesh Namdev	AICTE Training and Learning (ATAL) Academy	AICTE
8	Dr. Sadhna K. Mishra	Intellectual Property Right	SIRT

		Human Values in Technical Education	AICTE
		Generative AI – Democratization of AI, Responsible AI	ATAL
		Developing Excellence in Research Oriented Writing	SIRT
9	Dr. Sushil Kumar	Generative AI – Democratization of AI	AICTE
10	Dr. Vivek Richhariya	Workshop on Cloud Computing - Jr. Analyst (TEL/Q6215) - v2.0	NSDC
11	Prof. Hitesh Gupta	Generative AI – Democratization of AI, Responsible AI	ATAL
		Cloud Computing - Jr. Analyst	NSDC
		Developing excellence in research oriented writing	SIRT
12	Prof. Huma gupta	NPTEL FDP	AICTE
		Cloud Computing - Jr. Analyst (TEL/Q6215)	NSDC
13	Prof. Tanushree Dholpuria	Research Methodology, Quantitative Techniques & Scientific Writing	MANIT BHOPAL
14	Prof. Priyanka Asthana	Faculty Development Program	
15	Prof. Puneet Nema	Generative AI – Democratization of AI, Responsible AI	AICTE

		Workshop on f Cloud Computing - Jr. Analyst (TEL/Q6215) - v2.0	Skill India
16	Prof. Sapna Ionare	Empowering research and innovation through IPR,ICT and RM for academic excellence	SIRTE Bhopal
17	Prof. Satendra Kumar Jain	Inculcating Universal Human Value in Technical Education	AICTE
18	Prof. Satyendra Vishwakarma	WCF WIPRO FDP	Wipro
19	Dr. Tripti Saxena	Cloud Computing - Jr. Analyst	NSDC
		Design for Test (DFT) Strategies in AI and Machine Learning SOC's	AICTE
		Generative AI – Democratization of AI, Responsible AI at	AICTE
		NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP)	NITTTR
20	Prof Adarsh Raushan	INTELLECTUAL PROPERTY RIGHTS	SIRT
		DEVELOPING EXCELLENCE IN RESEARCH ORIENTED WRITING	SIRT
		Inculcating Universal Human Values in Technical Education	AICTE
		Training for Cloud Computing Junior Analyst	NSDC
21	Prof. Priyanka Asthana	Blooming Research Areas Under IoT: A 360-Degree View	IEEE Bombay Section

		IPR and Publication indexing	LNCT
		How to Write a Quality Research Paper	UIT, RGPV