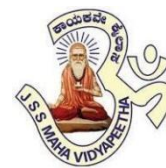




JSS Mahavidyapeetha
JSS Academy of Technical Education
Department of Information Technology



FACULTY PROFILE

1. Personal Details

NAME	Dr. Lavkush Sharma	
DEPARTMENT	Information Technology	
DESIGNATION	Professor	
PHONE	+91-7078221008	
EMAIL ID	hodit@jssaten.ac.in	

2. Experience

Total Experience in Years : 21	Teaching: 21	Industry: NIL	Research: 15 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.TECH	Computer Science & Engineering	2004	AEC	UPTU
M.TECH	Computer Science & Engineering	2009	NIET	UPTU
Ph.D	Computer Science & Engineering	2013	S N University	S N University
Ph.D	Computer Science & Engineering	2025	NIT Patna	NIT Patna

4. Research & Publications

Paper Published in SCIE	International: 02	National: 0
Papers Published in Web of Science indexed Journals	International: 02	National: 0
Papers Published in SCOPUS indexed Journals/ UGC-CARE list , Indian Citation Index	International:05	National: 0
Papers Published in other Journals	06	0
Papers Presented in Conferences / Symposium	International: 10	
Books / Book chapters Published	Book Chapter: 01(CRC Press, Taylor and Francis Group)	
	Name of the book: “ Deep learning for Natural Languages ”, Publisher: SIP, ISBN: 9789366747545.	

5. Research Guidance

PhD Guide? Give field & University	NIL	NIL
PhDs / Projects Guided	NIL	Projects at Master’s Level: 05 Projects at Bachelor’s Level: 50

6. Grants

i. Funds Received (Research Projects, International Travel Grant, FDP and Session Chair)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL				

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1.	Title: Blockchain based Secure Data Sharing Method for Distributed System.	Patent Published. Application No: 202441093777 A

2.	Title: Intelligent Cybersecurity Defense Systems using Federated Learning for Collaborative Threat Detection and Mitigation.	Patent Published. Application No: 202521034657 A
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7. Awards Received / Recognition

Cleared UGC NET November 2017 Examination in Computer Science and Applications.

8. Research and Publications

i. International Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	A CNN-CBAM-BIGRU Model for Protein Function Prediction	Lavkush Sharma, A.Deepak, A. Ranjan, and G. Krishnasamy	Statistical Applications in Genetics and Molecular Biology,	22 (1), 20220057, 2024	SCIE	1.7	De Gruyter publication.
2	A Novel Hybrid CNN and BiGRU-Attention Based Deep Learning Model for Protein Function Prediction	Lavkush Sharma, A.Deepak, A. Ranjan, and G. Krishnasamy	Statistical Applications in Genetics and Molecular Biology,	23 (1), 20240004, 2023	SCIE	1.7	De Gruyter publication.
3	Enhanced Deep Learning Models for Secure and Efficient Cross-Border Financial Transactions	Jaspreet Kaur, Anil Ahlawat, Jyoti Gautam	International Journal of Basic and Applied Sciences	14 (1), 280-290, 2025	SCOPUS	6.56	Science Publishing Corporation Inc.
4	A Systematic Review of CNN for Face Mask Detection: Current	Shakti Punj, LavkushS	International Journal of Creative	Volume 11, Issue 6,	Elsevier	-	Elsevier

	Trends and Future Directions	harma, Brajesh Kumar Singh	Research Thoughts	ISSN: 2320-2882, 2023			
5	Enhancing Face Mask Detection Using Convolutional Neural Networks: A Comparative Study	Shakti Punj, Lavkush Sharma, Brajesh Kumar Singh	International Research Journal on Advanced Science Hub	2582-4376, Vol. 05, Issue 08, 2023	Elsevier	-	Elsevier
6	Credit-Cards Fraud Uncovering Technique Using Integrity Model Framework	Deepali Bhardwaj, Lavkush Sharma, Brajesh Kumar Singh	International Journal for Research in Engineering Application & Management	Volume 11, Issue 6, ISSN: 2320-2882, 2022	Thomson Reuters	-	IJR EA M Publishing House
7	A Review on Different Cryptography Algorithms Using Biometric	Richa Agarwal, Brajesh Kumar Singh, Lavkush Sharma	International Journal of Advanced Computer Science and Applications	ISSN NO: 2347-7180 Page No: 243-252, 2022	-	-	Dog oRangs ang Research Journal
8	Cryptography based Internet Security ATM System using Fingerprint for securing PIN	Richa Agarwal, Brajesh Kumar Singh, Lavkush Sharma	Journal of University of Shanghai for Science and Technology	ISSN NO: 1007-6735, Page No: 369-380 ,2022	-	-	University of Shanghai for Science and Technology

9	Effective Energy Management IOT Framework for Smart Metering System	Lavkush Sharma, A.K. Singh, N. Varshney	Journal of Engineering, Computing and Architecture	Volume 9, Issue 11, 2019, ISSN NO: 1934-7197.	-	-	Journal of Engineering, Computing and Architecture
10	Deciphering of Transposition Ciphers using Genetic Algorithm	Alok Singh Jadaun, Vikas Chaudhary, Lavkush Sharma, Gajendra Pal Singh	IJCSN	Volume No-3, Issue No-3, June 2014.	-	-	D-LAR Labs
11	Breaking of Simplified-Data Encryption Standard using Binary Particle Swarm Optimization	Lavkush Sharma, Bhupendra Pathak, Nidhi Sharma	International Journal of Computer Science Issues	Vol. 9, Issue 3, No 1, May 2012 ISSN (Online): 1694-0814.	-	-	SoftwareFirst, Ltd.
12	Breaking of Simplified-Data Encryption Standard using Evolutionary Algorithm”	Lavkush Sharma, Bhupendra Pathak	IJARCS	Volume 3, No. 3, May-June 2012, ISSN No. 0976-5697.	-	-	IJPUBLICATION
13	Breaking of Simplified-Data Encryption Standard using Genetic Algorithm	Lavkush Sharma, Bhupendra Pathak, Ramgopal	GJCST,	Volume 12 Issue 5 Version 1.0	-	-	Global Journals Inc.

		Sharma		March 2012.			
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ii. Book Chapters

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Book	Volume No. Issue No. Year/ ISBN	WOS / Scopus / Both	Publisher
1	Intelligent Surveillance System Using Machine Learning	Anshuman Jaiswal, Lavkush Sharma, Akshay Kumar and Suryansh Chauhan	Industry 4.0: Research Trends, Challenges, and the Future of AI in Data Science	pp. 57-85, IGI, Feb 2018.	-	CRC Press, Taylor and Francis Group

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	A Hybrid TCN and BiGRU based deep learning model for Protein Function Prediction	Lavkush Sharma, A. Deepak, A. Ranjan, and Prabhat Kumar	8th International Conference on Innovative Computing and Communication (ICICC- 2025).	2025	Scopus	-	Springer
2	Predictive Employee Attrition using Convolution Neural Network: A Computer Vision Approach to HR Analytics	Mayuri R. Londhe, Lavkush Sharma Manvi Kushwaha and Deepak Gupta	International Conference on Information, Implementation and Innovation in Technology (I2ITCON- 2025).	2025	Scopus	-	IEEE
3	A Comprehensive Survey of Voice Based Email System Strategies for Blind People	Sanchita Singh, Brajesh Kumar Singh and Lavkush Sharma	International Conference on Engineering & Technology (ICET-24)	2024	-	-	AIP Publishing
4	Lung Cancer Detection using Machine Learning Technique	Vipul Singh, Lavkush Sharma and Brajesh Kumar Singh	7th International Conference on Engineering Research and Innovations (ICERI-2022)	2022.	-	-	Institute For Engineering Research and Publica

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5	Lung Cancer Detection using Machine Learning Technique: A Case Study.	Vipul Singh, Lavkush Sharma and Brajesh Kumar Singh,	International Conference on Machine Learning and Data Science Innovations (MacDatt' 22)	2022			YGMR O Publishers
6	Forecasting of Credit Card Fraud Detection Using Classification Model	Deepali Bhardwaj, Lavkush Sharma and Brajesh Kumar Singh,	International Conference on Machine Learning and Data Science Innovations (MacDatt' 22)	2022			YGMR O Publishers
7	Survey on Secret Image Sharing Using Visual Cryptography	Lavkush Sharma and Ramgopal Sharma	Advances in Applied Sciences, Humanities & Technology to Overcome Global Disasters-2020	2020			
8	Breaking of Simplified Data Encryption Standard Using Evolutionary algorithms: A Survey	Lavkush Sharma	International Conference on NABB-2016.	2016			
9	Optimization of Melting rate & Fuel Consumption of Rotary Furnace using NSGA-II	K. K. Mishra, Brajesh Kumar Singh, Akash Punhani and Lavkush Sharma	IEEE World Congress on Computational Intelligence, IEEE WCCI2008,	2008	WOS		IEEE

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Attended a workshop on "Examination Reform Workshop"	UPID, Noida	26th September 2019.
2	Attended a workshop on "Executive Leadership Program"	AKTU, Lucknow	12 th - 14th July 2019.

3	Faculty Development Program on “Entrepreneurship Awareness Camp”	MSME, Agra	29 th -31 th January 2019
4	Faculty Development Program on “Foundation Program in ICT for Education”.	AKTU,Lucknow	3rd Aug-to 7th Sep 2017
5	Attended a training program on “Election Software Training”	IEI, Hyderabad	22nd July 2017
6	Attended a workshop on “Steps 2 Research	Amal Jyoti College of Engineering,Kanjirappally	19 th - 20 th September 2014.
7	Attended a Workshop on” Computer Programming”	IITB, Mumbai	16 th - 21th June 2014.
8	Attended a Workshop on “D.B.M.S”	IITB, Mumbai	21 st - 31st May, 2013.
9	Attended a Workshop on “Akash for Education”,	IIT Bombay	10 th - 11th November, 2012.
10	Attended a Workshop on “Entrepreneurship”	IEDUP, Lucknow	23rd Jan – 04th Feb 2012.

V. Workshops / Conference(Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	6 th International Conference on “Data and Information Sciences”(ICDIS-2024)	RBSETC, Agra	24 th – 25 th May	Publication Chair
2.	5 th International Conference on “Data and Information Sciences”(ICDIS-2023)	RBSETC, Agra	16 th – 17 th June	Publication Chair
3.	4 th International Conference on “Data and Information Sciences”(ICDIS-2022)	RBSETC, Agra	03 th – 04 th June	Publication Chair

9. Membership of Professional Bodies:

1. Institution of Engineers (India)AMIE (AM099534-5)