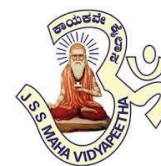# JSS Academy of Technical Education

Department of Computer Science & Engineering

FACULTY PROFILE

1. Personal Details

NAME	**Dr. Nitima Malsa**	
DEPARTMENT	Computer Science and Engineering	
DESIGNATION	Assistant Professor	
PHONE	+91-8368116671	
EMAIL ID	nitimamalsa@jssaten.ac.in, nitima.mala@gmail.com	
Date of Joining (JSSATEN)	19th March 2010	

2. Experience

Total Experience in Years	Teaching: 15 Years	Industry: NIL	Research: NIL

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Computer Engineering	2005	LIET, Alwar	Rajasthan University
M.Tech.	Computer Science	2009	Main Campus, Banasthali Vidyapith	Banasthali Vidyapith
Ph.D.	Computer Science (Machine learning, Blockchain)	2022	Main Campus, Banasthali Vidyapith	Banasthali Vidyapith
Post Doc.	NIL	NIL	NIL	NIL

4. Research & Publications

Paper Published in SCIE	International: 00	National: 0
Papers Published in Web of Science indexed Journals	International: 00	National: 0
Papers Published in SCOPUS indexed Journals	International:01	National: 00

Papers Published in other Journals	International:05	0
Papers Presented in Conferences / Symposium	International: 08	0
Books / Book chapters Published	06 Book Chapters	
	Name of the book: NA Publisher: Year of Publication:	

5. Research Guidance

PhD Guide? Give field & University	NA	NA
PhDs / Projects Guided	Machine Learning/ Blockchain Technology/ Cryptocurrency/ Deep Learning	Projects at Master's Level: 04 Projects at Bachelor's Level: 15

6. Grants

i. Funds Received (Projects)

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

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Peer-to-Peer Energy trading Model using Blockchain and IoT based Microcontroller	Published (04/11/2022)
2	Precise Detection methodology for Small Objects using Infrared Images	Published (28/10/2022)

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL	NIL	NIL	NIL	NIL

7. Awards Received

NIL	NIL

8. 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	RMSE calculation of LSTM models for predicting prices of different cryptocurrencies	Nitima Malsa, Vaibhav Vyas, Jyoti Gautam	International Journal of System Assurance Engineering and Management	2021	Scopus	2.02	Springer
2	Smart Contract for Decentralized Water Management System using Blockchain Technology	Soniya Tiwari, Jyoti Gautam, Vimal Gupta, Nitima Malsa	International Journal of Innovative Technology and Exploring Engineering	2020	Nil	Nil	Blue eye publications
3	Credit Card Fraud Detection & Prevention–A Survey	Surabhi Gupta, Vimal Gupta, Nitima Malsa	International Journal for Innovative Research in Science & Technology	vol. 4, Issue 1, 2017	Nil	3.559	IJIRST
4	Air Quality Prediction using Forward Stepwise Regression by refinement of Ontology with respect to the Indian Domain	Parul Choudhary, Dr. Jyoti Gautam, and Nitima Malsa	International Journal of Engineering and Manufacturing Science	vol. 7, issue spl.1, 2017	Nil	3.38	ri publication.
5	A Survey: Fault Classification Techniques	Trisha Choudhary, Nitima Malsa	International Journal of Computer Sciences and Engineering	vol. 4, issue 8, 2016	Nil	3.802	erpublication
6	Prediction on Global	Nitima Malsa, Jyoti Gautam,	International Journal of	vol. 3, issue 5,	Nil	2.19	erpublication

	Warming	Nisha Bairagee	Engineering and Technical Research	2016			

ii. Book Chapters

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Book	Volume No. Issue No. Year	WOS / Scopus / Both	Publisher
1	A Particle Swarm Optimization Based ANN Predictive Model for Statistical Detection of COVID-19	Arpita Rajpoot, Garima Saluja, Nitima Malsa, Vimal Gupta	Artificial Intelligence in Healthcare	2022	-	Springer Nature Singapore Pte Ltd.
2	Blockchain-Enabled Smart Contract Optimization for Healthcare Monitoring Systems	Nitima Malsa, Vaibhav Vyas, Pooja Singh	Cloud Computing Enabled Big-Data Analytics in Wireless Ad-hoc Networks	2022	-	CRC press
3	Blockchain Platforms and Interpreting the Effects of Bitcoin Pricing on Cryptocurrencies	Malsa N., Vyas V., Gautam J	Soft Computing: Theories and Applications. Advances in Intelligent Systems and Computing	vol 1380. ,2021	-	Springer, Singapore.
4	Framework and Smart Contract for Blockchain Enabled Certificate Verification System Using Robotics.	Malsa N., Vyas V., Gautam J., Shaw R.N., Ghosh A	Machine Learning for Robotics Applications. Studies in Computational Intelligence	vol 960., 2021	-	Springer, Singapore
5	Twitter Data Sentiment Analysis Using Naive Bayes Classifier and Generation of Heat Map for Analyzing Intensity Geographically.	Gautam J., Atrey M., Malsa N., Balyan A., Shaw R.N., Ghosh A.	Advances in Applications of Data-Driven Computing. Advances in Intelligent Systems and Computing,	vol 1319.,2021	Scopus	Springer, Singapore.
6	Prediction of El-Nino Year and	Malsa Nitima,	Asset Analytics: System	2019	-	Springer Nature

							Singapore Pte Ltd.
	Performance Analysis on the Calculated Correlation Coefficients	Jyoti Gautam and Nisha Bairagee	Performance and Management Analytics, P.K. Kapur, Y. Klochkov, A.K. Verma, G. Singh Eds., 2018				

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	Blockchain-Based Academic Certificate Verification System-A Review	Shivani Pathak, Vimal Gupta, Nitima Malsa, Ankush Ghosh, R.N. Shaw	International conference on Advanced Computing and Intelligent Technologies (ICACIT)	2022	Scopus	-	Springer Nature Singapore Pte Ltd.
2	Smart Contract for Academic Certificate Verification Using Ethereum	Shivani Pathak, Vimal Gupta, Nitima Malsa, Ankush Ghosh, R.N. Shaw	International conference on Advanced Computing and Intelligent Technologies (ICACIT)	2022	Scopus	-	Springer Nature Singapore Pte Ltd.
3	Reduction in Gas Cost for Blockchain Enabled Smart Contract	Nitima Malsa, Vaibhav Vyas, Jyoti Gautam, Rabindra Nath Shaw, Ankush Ghosh	IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON)	2021	Scopus	-	IEEE
4	Selecting a Family Planning Method for Various Age Groups of Different States in India	Jyoti Gautam, Nitima Malsa, Saumya Gautam, Nitin K Gaur, Priyabrata	IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON)	2021	Scopus	-	IEEE

		Adhikary, Shivani Pathak					
5	CERTbchain: a step by step approach towards building a blockchain based distributed application for certificate verification system	Nitima Malsa, Vaibhav Vyas, Jyoti Gautam, Ankush Ghosh, Rabindra Nath Shaw	IEEE 6th International Conference on Computing, Communication and Automation (ICCCA).	2021	Scopus	-	IEEE
6	Source of Treatment Selection for Different States of India and Performance Analysis Using Machine Learning Algorithms for Classification	Nitima Malsa, Pooja Singh, Jyoti Gautam, Arpita Srivastava, Santar Pal Singh	Soft Computing: Theories and Applications. Advances in Intelligent Systems and Computing.	1154, 2021	Scopus	-	Springer Nature Singapore Pte Ltd.
7	Short-Term Load Forecasting Using Parametric and Non-parametric Approaches	Prashant Gupta, Nitima Malsa, Neelisha Saxena, Siddhant Agarwal, Santar Pal Singh	Soft Computing: Theories and Applications.	2020	Scopus	-	Springer Nature Singapore Pte Ltd.
8	Calculating AQI Using Secondary Pollutants for Smart Air Management System	Gautam Jyoti, Malsa Nitima, Singhal Vikas, Malsa Komal	Soft Computing: Theories and Applications.	2020	Scopus	-	Springer Nature Singapore Pte Ltd.

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Participated as a Delegate in IBM' Data Science and AI Forum, which washeldinTajPalace,NewDelhion11thSeptember,2019.	IBM	11thSeptember,2019.
2	ParticipatedasaDelegateinMicrosoft'DigitalGovernanceTechSummit, whichwasheldinTajPalace,NewDelhi on27thSeptember,2019.	Microsoft	27thSeptember,2019
3	Invitedasaspeakerin14thWorldEducationSummitinNewDelhi 09th-10thAugust,2019.	Elets Technomedia Pvt Ltd, Sec-62, , Stellar IT Park, Noida, 201309, India	09th-10thAugust,2019
4	one day Faculty Development Workshop on "Blockchain Essentials for Educators"	Oxford University Press, India	15 Feb 2020
5	One day Faculty Development Workshop on "Python Programming"	Oxford University Press, India	3 Feb, 2018.
6	AKTU-TEQIP sponsored one week FDP on "Soft Computing: Techniques, Tools and Applications"	JSSATE NOIDA.	11th – 15th June 2018
7	Annual Conference on "Industry Oriented Skills"	C# corner	8 April, 2017
8	AICTE recognized one-week Short Term Course on "Cloud Computing"	Computer Science and Engineering Department at JSS Academy of Technical Education, Noida.	Dec 5-9th 2016
9	AICTE recognized one-week Short Term Course on "Technology Management"	Entrepreneurship Development & Industrial Coordination Department at JSS Academy	Feb 22-26th 2016

		of Technical Education, Noida.	
10	AICTE recognized one-week Short Term Course on "Artificial Neural Network"	Electronics and Communication Engineering Department at JSS Academy of Technical Education, Noida.	Apr 25-29th2016
11	Two days' workshop on "Big Data and Hadoop"	Apps Fluxus in association with IIT Roorkee	Nov 4-5th 2015
12	AICTE recognized one-week Short Term Course on "Technical Teachers' Role, Self-Esteem, Motivation and Professionalism Development" conducted	Media and Continuing Education Centre at JSS Academy of Technical Education, Noida.	Jun 8-12th 2016
13	Two weeks ISTE workshop on "Database Management Systems" conducted during	IIT Bombay at MGMCET, Noida.	May 21-31st 2013 at
14	Training on "IBM SEED program" conducted	IBM Software Group during at JSS Academy of Technical Education, Noida.	May 06-09th 2013
15	Faculty Development Programme on "Linux Essentials & Handling Indian Language Text"	JSS Academy of Technical Education,	Oct 4th 2012

		Noida under the auspices of Mahamaya Technical University, Noida.	
16	Two weeks ISTE workshop on "Introduction of Research Methodologies"	IIT Bombay in collaboration with St. Margaret Engineering College, Alwar.	June 25th -04st July 2012
17	National Workshop on "Deployment and Use of NPTEL Courses"	IIT Kanpur in collaboration with JSS Academy of Technical Education, Noida	Oct 30-31st 2010
18	Attended Two weeks ISTE workshop on "Effective Teaching/Learning of Computer Programming"	IIT Bombay in collaboration with Jaipur Engineering College, Kukas.	June 28-10thJuly 2010 at

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
NIL	NIL	NIL	NIL	NIL

vi.   Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
NIL	NIL	NIL	NIL

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks

1	Blockchain Basics	Coursera	2020	98%
2	Smart Contracts	Coursera	2020	100%
3	Distributed Applications	Coursera	2020	100%
4	Effective Writing	NPTEL	2020	90%
5	Accreditation and Outcome Based Learning	NPTEL	2019	88%
6	Academic Writing	Swayam	2019	96%
7	Blockchain Architecture Design and use Cases	NPTEL		53%
8	Practical Machine Learning with Tensor Flow	NPTEL	2019	54%

10. Membership of Professional Bodies:

1.	IAENG(MemberNo:183897)

11. Any other information you will like to share about your professional experience

Achievements

(a.) Acted as a moderator for a Webinar on 'Water Informatics: Introduction and Case Studies'. Webinar hosted by IWA Headquarters, London and is now available on IWA Learn. The total number of registrations were 335.
Available: https://iwa-network.org/learn/water-informatics-introduction-and-case-studies/

(b.) On 30th July 2020, I was invited by IWA (International Water Association) Specialist Group Water Loss, to moderate a webinar on machine learning and IOT in Water Loss. Roughly, there were 110 international participants from IWA Water Loss group.
Available: https ://www.youtube.com/watch?v=15Xp2vqZc i4/

(c.) Attended as a technical Session chair in 3rd International Conference on Soft Computing: Theories and Applications (SoCTA 2018) – (21 – 23 December 2018) on 22nd December 2018 at B R Ambedkar National Institute of Technology, Jalandhar, Punjab, India. The conference is technically sponsored by MIR Labs, USA and partially funded by CSIR, New Delhi, India.

(d.) Participated as a Speaker in World Education Summit 2019, which was held in Leela Ambience New Delhi on 09thand 10thAugust, 2019.

Dr. Nitima Malsa

Assistant Professor, Dept. of CSE

JSS Academy of Technical Education, NOIDA