DEPARTMENT OF INFORMATION TECHNOLOGY

Name : Dr. J.M.Nandhini	
Designation	**Associate Professor**
Qualification	**M.C.A, M.Phil, M.Tech, Ph.D**
Area of Specialization	**Distributed Systems, Machine Learning**
Experience	**UG:08** **PG: 16**
	Industrial Experience : NIL
No. of workshop / Conferences / FDP attended	**Workshops & FDP : 50** **International Conference : 13** **National Conference : 8**
No. of workshop / Conferences / FDP organized	**Workshops: 3 FDP: 1** **International Conferences: -** **National Conferences : -**
No.of Funded Projects	**-**
No.of Research Guidance	**-**
Membership in Professional Bodies	ISTE,CSI, IEEE

PROFESSIONAL EXPERIENCE:

S.No	Organization	Post Held	Number of Years	From	To
1.	Sri Sai Ram Engineering College	Associate Professor	6 Months	1/7/2025	Till Date
2.	Sri Sai Ram Institute of Technology	Associate Professor	8 Years	16/6/2017	30/6/2025
3.	Sri Sai Ram Engineering College	Assistant Professor - I	9 years 4 months	4/2/2008	15/6/2017
4.	Sri Sai Ram Engineering College	Lecturer	6 years 3 month	3/7/2000	30/9/2006

FACULTY ACHIEVEMENTS:

Publications	Journals	
		1. "**Implementation of Image compression and Encryption using XML Signatures for Law Enforcing Authorities",** International Journal of Computer Network and Security, Vol 1.
		2. **"Enterprise Cloud – Wave of the Future"**, International Journal of Mathematics and Engineering with Computers Vol2.No1-2 ISSN 2230-8911.
		3. **"Platform Autonomous Custom Scalable Service using Service Oriented Cloud Computing Architecture",** International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622,Vol. 2, Issue 2,Mar-Apr 2012, pp.1467-1471.
		4. **"Automatic Structuring of Semantic Web Services – An Approach",**International Journal of Computer & Communication Technology (IJCCT) ISSN (*ONLINE*): 2231 - 0371 Volume 4, Issue 1, 2013.
		5. "**Fault Tolerance in Grid – An Overview",** International Journal of Advanced Computational Engineering and Networking, ISSN: 2320-2106, Volume-1, Issue-10, Dec-2013.
		6. "**Adaptive Fault Tolerance – Byzantine Technique**", International Journal of Latest Trends in Engineering and Technology (IJLTET)
		7. **"Fault Tolerance using Adaptive Checkpoint in Cloud–An Approach",** International Journal of Computer Applications, October 2017
		8. "**Review on failure forecast in cloud for a fault tolerant system**", International Journal of Engineering & Technology,2018
		9. **"An Assessment Survey of Cloud Simulators for Fault Identification",** IEEE Xplore Library, 2019
		10. **"Enhanced fault identification and optimal task prediction (EFIOTP) algorithm during multi- resource utilization in cloud-based knowledge and personal computing**", Personal and

Ubiquitous, 2019

11. "**Fault Aware Dynamic Resource Manager for Fault Recognition and Avoidance in Cloud**", Computer Systems Science & Engineering, 2021

12. "**Smart Tree Management with Biodiversity Preservation Using Image Processing and Blockchain Technology**", IEEE Xplore Library, 2021

13. "**An Analysis of the applications of Natural Language Processing in various sectors**, IOS Press, EBook : Volume 38: Smart Intelligent Computing and Communication Technology, Pages: 598 – 602, 2021.

14. "**Topical Sentiment Classification to Unmask the Concerns of General Public during COVID-19 Pandemic using Indian Tweets**", IEEE XPlore , February 2022

15. **"Data Mining for Human emotions classification based on skin conductance response and heart rate – A survey",** IEEE XPlore, March 2022

16. **"An IoT based Intelligent Transport and Road Safety System", IEEE XPlore ,** April 2022

17. "**Securing web user privacy with steganalysis of images using Deep learning**", IEEE XPlore, July 2022

18. **An Overview on Nature- Inspired Learning Approaches for Sentiment Analysis Applications**", IEEE Xplore, 2023.

19. "**Big Picture Analysis of Resource Allocation in Fog Computing**", IEEE Xplore, 2023

20. "**Federated Learning Based Prediction of Chronic Kidney Diseases**", IEEE Xplore, 2023

21. "**Patient Personal Assistant**", IEEE Xplore, 2023

22. "**Vehicular Network Optimization Via Keshtel Algorithm With Insights From Leabra Models**", ICTACT Journal of Communication Technology, , December 2023

23. **"Digital I Will Using Blockchain**", IEEE Explore, January 2024

24. "**Deep reinforcement learning based computing offloading in unmanned aerial vehicles for disaster management**", Journal of Electrical Engineering, April 2024.

25. **"DRL-Based Computation-Efficient Offloading and Power Control for UAV-Assisted MEC Networks**", Transactions on Emerging Telecommunications Technologies, December 2024

26. "**Safety Vehicle Warning System Using the Internet of Things**", IEEE Xplore, May 2025

27. "**GuardianNet an IoT Solution for Enhanced Miner's Safety**", IEEE Xplore, September 2025

28. **"Guardian Veil: Fortifying IoT Locking Systems with CNN Embedded QR Codes and Signal Sorcery"**, September 2025.

	Book Chapters	Natural Language Processing – A Panoramic view
	Conferences	20
Events organized		20
Events attended		50
Awards Received		Best Faculty Award
Details on Funded Projects		-
Details on Thesis		Effective fault identification for optimized fault mitigation in cloud
Details on Research Guidance		-