SAI RAM INSTITUTE OF TECHNOLOGY

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Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in

DEPARTMENT OF INFORMATION TECHNOLOGY

Name : Dr.K.ANURATHA	
Designation	**Associate Professor**
Qualification	**ME,PhD**
Area of Specialization	**Computer Science and Engineering**
Experience	**UG :22 years PG:Nil**
	Industrial Experience : Nil
No. of workshop / Conferences / FDP attended	**Workshops & FDP: 21** **International Conference :25** **National Conference : 5**
No. of workshop / Conferences / FDP organized	**Workshops: Webinar: FDP:12** **International Conferences: Nil** **National Conferences : Nil**
No.of Funded Projects	**2**
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 Sairam Institute of Technology	Associate Professor	3.5 years	05.09.22	Till date
2.	Sri Sairam Institute of Technology	Assistant Professor	7 years	14.06.2014	04.09.22
3.	Sethu Institute of Technology	Assistant Professor	3 years	01.07.2010	30.11.2013
4.	Sethu Institute of Technology	Lecturer	7.5 years	23.06.2003	31.06.2010
5.	KLN College of Engineering	Lecturer	4 months	18/06/2008	20/10/2008

FACULTY ACHIEVEMENTS:

Publications	Journals / Conferences	
		1. **"Multi-user Task Offloading for Mobile Edge Computing Based on Reinforcement Learning",** Informacije Midem-Journal Of Microelectronics Electronic Components And Materials, Volume 55, Issue 3, DOI:10.33180/InfMIDEM2025.305,2025
		2. **"DRL-Based Computation-Efficient Offloading and Power Control for UAV-Assisted MEC Networks",** Transactions on Emerging Telecommunications Technologies, 35(12), DOI : 10.1002/ett.70027,2024
		3. **"Deep Reinforcement Learning Based Computing Offloading In Unmanned Aerial Vehicles For Disaster Management",** Journal Of Electrical Engineering, 75(2), pp.94-101,DOI : DOI10.2478/jee-2024-0013,2024
		4. **"Multi-label Emotion Classification of COVID–19 Tweets with Deep Learning and Topic Modelling",** Computer Systems Science and Engineering,45(3),3005-3021 DOI : doi.org/10.32604/csse.2023.031553,2023
		5. **"Twitter Sentiment Analysis Using Social-Spider**

		Lex Feature-Based Syntactic-Senti Rule Recurrent Neural Network Classification", International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, Volume 30, Pages 45-66 DOI:10.1142/S0218488522400037**, 2022 6. **"GuardianNet an IoT Solution for Enhanced Miner's Safety",** IEEE Xplore, DOI: 10.1109/WAMS64402.2025.11158934 ,2025 7. **"Gesture Sign Translator using CNN",** IEEE Xplore, DOI: 10.1109/ICoICI65217.2025.11253125,2025 8. **"Safety Vehicle Warning System Using the Internet of Things",** IEEE Xplore, DOI: 10.1109/ICDSAAI65575.2025.11011821,2025 9. **"Guardian Veil: Fortifying IoT Locking Systems with CNN Embedded QR Codes and Signal Sorcery",** IEEE Xplore,DOI: 10.1109/ICCMC65190.2025.11140692,2025 10. **"E-Waste Segregation using GAN"**,IEEE Xplore, DOI:10.1109/ICoICI65217.2025.11253063,2025 11. **"QR-Based Efficient Waste Management System",** IEEE Xplore, DOI: 10.1109/ICUIS64676.2024.108658152024 12. "**An Overview on Nature- Inspired Learning Approaches for Sentiment Analysis Applications**", IEEE Xplore, https://doi.org/10.1109/ICCST55948.2022.10040334, 2023 13. "**Big Picture Analysis of Resource Allocation in Fog Computing**", IEEE Xplore, https://doi.org/10.1109/ICCST55948.2022.10040389, 2023 14. "**Federated Learning Based Prediction of Chronic Kidney Diseases**", IEEE Xplore, https://doi.org/10.1109/ICCST55948.2022.10040317, 2023 15. "**Patient Personal Assistant**", IEEE Xplore, https://doi.org/10.1109/ICCST55948.2022.10040442, 2023 16. "**Topical Sentiment Classification to Unmask the Concerns of General Public during COVID-19 Pandemic using Indian Tweets**", IEEE XPlore , 10.1109/ICCCT53315.2021.9711863, 2022 17. **Data Mining for Human emotions classification based on skin conductance response and heart rate – A survey,** IEEE XPlore, DOI : 10.1109/ICCCI54379.2022.9740917, 2022

		18. **"An IoT based Intelligent Transport and Road Safety System"**, IEEE Xplore**, 10.1109/ICITIIT54346.2022.9744248, 2022 19. **"Securing Web User Privacy with Steganalysis of Images using Deep Learning"**, IEEE Xplore, https://doi.org/10.1109/ICCES54183.2022.9836021, 2022 20. **"Combined Weighted Whale Optimization and Attention-based Deep Learning Approach for Sentiment Analysis**", IEEE Xplore, DOI:10.1109/ICCCI54379.2022.9741041,2022 **21. "Dynamic Quick Sort Algorithmic Approach for Opitimizing Power and Spatial Mapping in SOC",** IEEE Xplore Library, DOI:10.1109/ICSCAN53069.2021.9526441,2021 22. **"Smart Tree Management with Biodiversity Preservation Using Image Processing and Blockchain Technology**", IEEE Xplore Library, DOI: **10.1109/ICSCAN53069.2021.9526540**, 2021 23. **"An Analysis of the applications of Natural Language Processing in various sectors**, IOS Press, DOI :10.3233/APC210109, 2021. 24. **"LeDoCl : A Semantic Model for Legal Documents Classification using Ensemble Methods",** Turkish Journal of Computer and Mathematics Education, Volume 12(9), Pages 1899-1908, 2021 25. **"APMFT: Anamoly prediction model for financial transactions using learning methods in machine learning and deep learning",** Advances in Parallel Computing, Volume 38, Pages 553-55DOI:10.3233/APC210101 , 2021 26. **"Public sentiment insights analysis using word sense disambiguation application on twitter data during a pandemic – COVID'19",** International Journal of Advanced Trends in Computer Science and Engineering, Volume 9(4), Pages 4729-4732,2020 27. **"Role of social sentiment analysis in stock trends forecasting",** International Journal of Recent Technology and Engineering, Volume 8, Pages 144-147, DOI:10.35940/ijrte.B1030.0782S519, 2019 28. **"Key Based Top-K Search in Multidimensional Databases",** NCETIT3.0'12 Proceedings,2012

		1. **Book on "Data Structures and Algorithms: A Practical Approach"**, Saras Publications, ISBN 1397893-82459-20-0, Apr 2013
	Books / Book Chapters / Monographs	-
Events organized		12
Events attended		51
Awards Received		-
Details on Funded Projects		-
Details on Thesis		-
Details on Research Guidance		-