ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET

CONSOLIDATED REPORT OF R&D ACTIVITIES

List of Research Papers published by the faculty during- 2024-25

Department of Artificial Intelligence and Machine Learning

S.No	Name of the Author	Department	Designation	First Author	Corresponding Author	Co-Author	Name of the Institute Affiliated	Title of the paper	Name of the Journal	Volume	Issue No.	Page Numbers (Ex: 102 To 110)	Date of Publication (MM/YYYY)	National / international	ISSN / ISBN	Indexed in scopus	Indexed in SCI/SCIE of Wos	Indexed in otherthan SCI/SCIE of Wos	Peer Reviewed	Journal Link (Scopus/ WoS/ Peer Reviewed)	DOI	Paper URL Link	Impact factor of journal	Journal Citation Score	Category of journal (Q1, Q2, Q3 and Q4)
1	Dr.T.Harikrishna	AI & ML	Associate Professor			Dr.T.Harikrishna	AITS	GeoAgriGuard: AI-Driven Pest and Disease Management with Remote Sensing for Global Food Security	Springer Nature	8	6	409 to 422	01-2025	International		Scopus				https://www.scimagojr.com/journalsearch.php?q=21100391500&tip=sid&clean=0	https://doi.org/10.1007/s41976-025-00192-w	https://link.springer.com/article/10.1007/s41976-025-00192-w			Q2
2	Dr.T.Harikrishna	AI & ML	Associate Professor			Dr.T.Harikrishna	AITS	Hybrid Machine Learning for Cardiovascular Risk Assessment in Obstructive Sleep Apnea Patients	IEEE Xplore				03-2025	International	**ISBN:**979-8-3315-1898-1	Scopus				https://www.scimagojr.com/journalsearch.php?q=17915&tip=sid&clean=0	10.1109/ICTBIG64922.2024.10911181	https://ieeexplore.ieee.org/document/10911181			Q1
3	Dr.T.Harikrishna	AI & ML	Associate Professor			Dr.T.Harikrishna	AITS	Advanced Hybrid Methodology for Robust Heart Disease Prediction and	IEEE Xplore			1024-1029	04-2025	International	979-8-3315-0574-5	Scopus				https://www.scimagojr.com/journalsearch.php?q=17915&tip=sid&clean=0	10.1109/ICMLAS64557.2025.10969030	https://ieeexplore.ieee.org/document/10969030			Q1
4	J. Krishna	AI & ML	Associate Professor	J. Krishna			AITS	Analyzing Customer Feedback on Amazon to Reveal Sentiment Trends using Machine Learning	IEEE Xplore			1 to 7	03-2025	International	2768-0576	Scopus				https://www.scimagojr.com/journalsearch.php?q=17915&tip=sid&clean=0	10.1109/ICCECE61355.2025.10941446	https://ieeexplore.ieee.org/abstract/document/10941446			Q1
5	Dr N. Penchalaiah	AIML	Associate Professor	Dr. N. Penchalaiah			AITS	IoT Intrusion Detection System for Vehicle and Emission Monitoring: Enhancing Cybersecurity in Connected Transportation	2024 IEEE 6th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA)			328-333	02-2025	International		Scopus				https://www.scimagojr.com/journalsearch.php?q=17915&tip=sid&clean=0	10.1109/ICCCMLA63077.2024.10871291	https://ieeexplore.ieee.org/document/10871291?denied=			Q1
6	Dr N. Penchalaiah	AIML	Associate Professor	Dr. N. Penchalaiah			AITS	Advanced Detection of Cyber-Physical Attacks in Manufacturing using LSTM-KNN	2024 International Conference on Data Science and Network Security (ICDSNS)			001-007	10-2024	International		Scopus				https://www.scimagojr.com/journalsearch.php?q=17915&tip=sid&clean=0	10.1109/ICDSNS62112.2024.10690961	https://ieeexplore.ieee.org/document/10690961			Q1

7	Dr.C V Lakshmi Narayana	AI&ML	Assistant Professor			Dr.C V Lakshmi Narayana	AITS-Rajampet	Personalized Food Nutrient Recommendations for Kids using AI and Behavior Analysis	IEEE Access 2024			1805-1810	12-2024	International	979-8-3503-7797-2	Scopus				https://www.scimagoir.com/journalsearch.php?q=21100374601&tip=sid&clean=0	10.1109/ICCES63552.2024.10859422	https://www.researchgate.net/publication/388781855_Personalized_Food_Nutrient_Recommendations_for_Kids_using_AI_and_Behavior_Analysis			Q1
8	Mrs. Swarna Surekha	AI & ML	Assistant Professor	Swarna Surekha			AITS	MATHEMATICAL MODELING OF CHEMICAL PROCESSES IN ANIMAL PHYSIOLOGY: A COMPUTATIONAL APPROACH	Bulletin of Pure and Applied Sciences Zoology (Animal Science),	43B	2s	27 to 42	12-2024	International	2320-3188				Yes			https://bpasjournals.com/zoology/index.php/journal/article/view/211			
9	Mrs. Swarna Surekha	AI & ML	Assistant Professor			Swarna Surekha	AITS	Advancing analog design: strategies and techniques for Emerging technology platforms	ICTACT Journal on Microelectronics	10	2	1800 to 1806	07-2024	International	2395-1680				Yes		https://doi.org/10.21917/ijme.2024.0311	https://journals.indexcopernicus.com/api/file/viewByFileId/2077323			
10	Mrs. Swarna Surekha	AI & ML	Assistant Professor	Swarna Surekha			AITS	Data-Driven Decision-Making in Healthcare Management: The Role of Computer Science	African Journal of Biological Sciences	6	12	5284-5297	07-2024	International	2663-2187	Scopus				https://www.scopus.com/sources.uri	10.48047/AFJBS.6.12.2024.5284-5297	https://www.afjbs.com/uploads/paper/f7e35ae5a7598f71c44c4d1bbcc480b7.pdf			Q4
11	Mr. N. Siva	AI & ML	Assistant Professor	N. Siva			AITS	Phishing Detection System through Hybrid Machine Learning Based on URL	2024 5th International Conference for Emerging Technology (INCET)			1 to 5	07-2024	International		Scopus				https://www.scimagoir.com/journalsearch.php?q=17915&tip=sid&clean=0	doi: 10.1109/INCET61516.2024.10593373	https://ieeexplore.ieee.org/document/10593373			Q1
12	Mr. N. Siva	AI & ML	Assistant Professor	N. Siva			AITS	Federated Learning-Based Flood Forecasting Model Enhancing Predictive Accuracy and Privacy in Flood Prediction	2024 5th International Conference for Emerging Technology (INCET)			1 to 7	07-2024	International		Scopus				https://www.scimagoir.com/journalsearch.php?q=17915&tip=sid&clean=0	10.1109/INCET61516.2024.10593560	https://ieeexplore.ieee.org/document/10593560			Q1
13	Mr. K. Lokeswara Reddy	AI & ML	Assistant Professor			K. Lokeswara Reddy	AITS	Improving EFL Students' Reading Skills Using Graph Attention Networks and Intelligence-Based Tasks	IEEE			06-Jan	04-2025	International	979-8-3315-0845-6	Scopus				https://www.scimagojr.com/journalsearch.php?q=17915&tip=sid&clean=0	doi: 10.1109/ICICACS65178.2025.10968479	https://ieeexplore.ieee.org/abstract/document/10968479			Q1