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SCHOOL OF SCIENCE

DEPARTMENT OF COMPUTER APPLICATIONS

Publications during the A.Y. 2024-25

Sl. No.	Author Name	Title of the Paper	Publication Details	DOI	SCI/SCIE/ SCOPUS/ WOS/UGC	Q-Index	Author Position
1	K. Anji Reddy , K. SivaramaKrishna, Bhanu Prakash Battula, Bajjuri Usha Rani, P. V. V. S. Srinivas	Wielding Neural Networks to Interpret Facial Emotions in Photographs with Fragmentary Occlusions	Fusion: Practice and Applications, Volume 17, Issue 1, PP: 146-158, January 2025, ISSN: 2692-4048	https://doi.org/10.54216/FPA.170111	SCOPUS	Q3 SJR: 0.15	1 st
2	S Phani Praveen, Veerapaneni Esther Jyothi , Chokka Anuradha, K Venu Gopal, Vahiduddin Shariff, and S Sindhura	Chronic Kidney Disease Prediction Using ML-Based Neuro-Fuzzy Model	International Journal of Image and Graphics, Vol. 24, No. 06, 2340013, November 2024, ISSN: 1793-6756	https://doi.org/10.1142/S0219467823400132	SCOPUS	Q3 SJR: 0.25	2 nd
3	A.Madhuri, Veerapaneni Esther Jyothi , S. Phani Praveen, S. Sindhura, V. Sai Srinivas, and D. Lokesh Sai Kumar	A New Multi-Level Semi-Supervised Learning Approach for Network Intrusion Detection System Based on the 'GOA'	Journal of Interconnection Networks, Vol. 24, No. supp01, 2143047, November 2024, ISSN: 1793-6713	https://doi.org/10.1142/S0219265921430477	SCOPUS	Q3 SJR: 0.25	2 nd
4	M. Prasanna Lakshmi , Vishwanath Hokrani, Mahesh R. Shukla, Harish Kumar Banga, A. Joseph Arockiam	Chapter 17 - Nanotechnology Innovation in Biomedicine. https://doi.org/10.1201/9781003495437	Introduction to Functional Nanomaterials, November 2024	9781003495437	SCOPUS	CRC Press	--

5	B. Lakshmi , K. Sarath, K. Parish Venkata Kumar , G. Praveen, B. Karthik and Y. Phani Bhushan	Chapter 11 - “Fuzzy Expert System to Diagnose the Heart Disease Risk Level” DOI:10.1002/9781394229826	Book titled “ARTIFICIAL INTELLIGENCE AND CYBERSECURITY IN HEALTHCARE”, March 2025.	9781394229796	SCOPUS	Scrivener Publishing	--
6	K. Parish Venkata Kumar , Piyush Charan, S. Kayalvili and M. V. B. T. Santhi	Chapter 18 - “Deep Learning–Based Medical Image Classification and Web Application Framework to Identify Alzheimer’s Disease” DOI:10.1002/9781394229826	Book titled “ARTIFICIAL INTELLIGENCE AND CYBERSECURITY IN HEALTHCARE”, March 2025.	9781394229796	SCOPUS	Scrivener Publishing	--
7	B. Lakshmi, K. Parish Venkata Kumar and N. Ashok kumar	Chapter 20 - “Developing a Soft Computing Fuzzy Interface System for Peptic Ulcer Diagnosis” DOI:10.1002/9781394229826	Book titled “ARTIFICIAL INTELLIGENCE AND CYBERSECURITY IN HEALTHCARE”, March 2025.	9781394229796	SCOPUS	Scrivener Publishing	--
8	Raju Anitha, V. Esther Jyothi , Ramakrishna Regulagadda, Sivudu Macherla.	Chapter 10 - Cloud Computing and Multimedia IoT. https://doi.org/10.1007/978-981-96-4356-1_10	Multimedia Technologies in the Internet of Things Environment, Volume 4, 2025. Part of the book series: Studies in Big Data, vol 173. Springer, Singapore. April 2025.	978-981-96-4356-1	SCOPUS	Springer, Singapore	--
9	V Esther Jyothi, Sahithi Alugoju, K Indraja	Adaptive Cloud Load Balancing with Reinforcement Learning: Leveraging Google Cluster Data	5th International Conference on Electronics and Sustainable Communication Systems (ICESC), 7-9 August, 2024, organized by Hindusthan Institute of Technology, Coimbatore, India.	DOI: 10.1109/ICESC60852.2024.10689973	IEEE Explore and SCOPUS	IEEE	PG

10	V Esther Jyothi, D.N.V. Sai Kumar Reddy, S Pavan Sai Nadha Reddy	DuoCryptDB: A Privacy-Focused Two-Cloud Solution for Numeric SQL Range Queries	4th International Conference on Soft Computing for Security Applications (ICSCSA-2024), 24-25, September 2024, organized by Dhirajlal Gandhi College of Technology, Tamil Nadu, India.	DOI: 10.1109/ICSCSA64454.2024.00086	IEEE Explore and SCOPUS	IEEE	PG
11	O A R Kishore, P E S N Krishna Prasad, K. Parish Venkata Kumar, N. Vamsi Krishna, Srinivasa Rao Dokku	Predicting Stock Market Odds Across Time Variations using Deep Learning Algorithms	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies (ICCIGST), 18-19 July 2024, organized by VRSEC, Deemed of be University	DOI:10.1109/ICCIGST60741.2024.10717497	IEEE Explore and SCOPUS	IEEE	-
12	V. Esther Jyothi, G. Rakesh	Enhanced Monitoring and Security Measures with Video Analysis	International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025), 20-22, January 2025, organized by Surya Engineering College Erode, Tamil Nadu, India	DOI: 10.1109/ICMSCI62561.2025.10894596	IEEE Explore and SCOPUS	IEEE	PG
13	V. Esther Jyothi, Adapa Satya Kranthi, Botcha Divya, K. Anji Reddy	A Dynamic Strategy Selection Module for Anomaly Detection in Wireless SDNs Based on Semi-Supervised Learning	RESEARCH CONCLAVE 2025, organized by Department of IT, V R Siddhartha School of Engineering, Siddhartha Academy of Higher Education (Deemed to be University) during 24-25, January 2025			Springer	PG
14	V. Esther Jyothi, Vijaya Anjuri, Sravani Bollineni, K Anji Reddy	Energy-Efficient Resource Allocation and Relay-Selection for Wireless Sensor Networks				Springer	PG

15	K. Anji Reddy, V. Esther Jyothi, G. Bhavana, Ch. Nanda Sai Ram, H. Pavan Venkata Sai Kumar	Designing an Efficient Fertilizer Recommendation System with Bayesian Light GBM Processing and Mobile Net-Based Image Analysis				Springer	PG
16	B. Srinivas, Kolla Sri Amrutha, Katta Bhavana, Kommineni Sivanath	A VGG16 Implementation For Spam Image Detection				Springer	PG
17	B. Srinivas, K. Venkata Naga Lakshmi Prasanna, K. Vaishnavi, K. Ajay	Real Time Speech Recognition and Translation				Springer	PG
18	N. Sampreeth Chowdary, Shashank Kadiyala, V. Esther Jyothi, P. Srinandan, S. Phani Praveen, P Bhanu Prakash	Identity and Proxy Orientation based Remote Data Integration Checking and Uploading in Public Clouds	3rd International Conference on Communication, Security, and Artificial Intelligence ICCSAI - 2025 held at Galgotias University, Greater Noida, India, 4 – 6 April, 2025	DOI: 10.1109/ICCSAI64074.2025.11064101	IEEE Explore and SCOPUS	IEEE	-
19	K. Anji Reddy, V. Esther Jyothi, D.M.V. Satya Siva Sai, G. Chandhu Prabhu Vardhan, D. Priyanka, K. Rishi Kaushal Reddy	Interpretable AI for Cyber Security: Enhancing DDoS Detection with LIME and Population-Based Training Models	3rd International Conference on Communication, Security, and Artificial Intelligence ICCSAI - 2025 held at Galgotias University, Greater Noida, India, 4 – 6 April, 2025	DOI: 10.1109/ICCSAI64074.2025.11064595	IEEE Explore and SCOPUS	IEEE	PG
20	B. Sravani, V. Esther Jyothi, Yelavarti Kalyan Chakravarthi, A.Vijaya	Controllable Image Synthesis with Attribute-Decomposed Generative Adversarial Networks	2nd International Conference on Networks and Soft Computing (ICNSoC 2025), Organised by Department of Computer Science And Engineering, Vignan's Foundation for Science, Technology & Research, Guntur on 12–14 June, 2025.			IEEE	PG

21	Allu Jahnavi , Yelavarti Kalyan Chakravarthi, V. Esther Jyothi	Enhanced WSA-YOLO: Integrating Semi- Supervised Learning and Noise Reduction for Adaptive Object Detection in Low-Light Environments	2nd International Conference on Networks and Soft Computing (ICNSoC 2025), Organised by Department of Computer Science And Engineering, Vignan's Foundation for Science, Technology & Research, Guntur on 12–14 June, 2025.			IEEE	PG
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IPRs Filed during the A.Y 2024- 25

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	IPR Type	Inventor/s/ Applicant/s Name	Title of the Patent	Patent Filed Date	Patent Published Date/ Granted Date
1	202441094541	Published	Utility	Dr.K.Parish Venkata Kumar, B.Srinivas, B.Lakshmi , T.Yaswanth Bhavan, Md.Hazera Tauqir, N.Harshitha, N.Yeswanth.	Sign Translation Using OPEN CV	02-12-2024	06-12-2024
2	6415679	Granted	Design	Dr. K. Parish Venkata Kumar , Mr.Polepogu Rajesh, Dr. H. Narendra Kumar, Dr. Jammula Lakshmi Narayana, Ms. Aadiraju Siva Naga Neelima, Mr. Penugurthi Eswara Rao	AI-driven decision support data processing device for supply chain optimization	05-01-2025	29-05-2025
3	443272-001	Granted	Design	Mrs.B.Lakshmi, Dr.K.Parish Venkata Kumar , Ms.S.V.S.Thanmayi, Mr.Sriramula Pradeep, Ms. R. Gayatri Satvika	IOT Based Neuro-Feedback Wearable	06-01-2025	26-03-2025

4	202541018173	Published	Utility	Mrs. B. Lakshmi , Pasupuleti Venkata Ramana, Dr. K. Parish Venkata Kumar , Ms. Syed Zaiba Jabeen, Mr. Sundarapalli Bhagyateja, Mr. Sangabattula Sai Kishore, Mr. R. Manohar, Mr. Rowthu Dinesh, Ms. R. Venkata Lakshmi Durga, Ms. N. Likhitha	Machine Learning and IOT-Based Smart Crop Monitoring and Disease Detection System	01-03-2025	14-03-2025
5	202541019470	Published	Utility	Mr. Polepogu Rajesh, Dr. K. Parish Venkata Kumar , Dr. Ravichand Mandalapu, Sri. K. Srinivas, Dr. J Lakshmi Narayana, Mr. Nune Srinivas, Mr. Akkinapalli Rajesh, Mr. Vailipalli Chinmai, Ms. R. Venkata Lakshmi Durga, Ms. N. Likhitha	A System and Method for Predictive Analytics in Retail using IOT-Enabled Sensor Networks	04-03-2025	21-03-2025
6	202541040760	Published	Utility	J. Harj Krishna , Lanke Himanka Jayanthi, Lanke Geethika, Harika Kopalle, Kurmala Sridhar, Kondapalli Madhav Sal, Lella Durga Prasai, Merugumala Jyothi, Kumbha Navyasri	AI-Enhanced Cloud Platform for IOT-Connected Medical Devices in Real-Time Patient Care	28-04-2025	23-05-2025