



VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

IBRAHIMBAGH, HYDERABAD – 500 031

ACCREDITED BY NAAC WITH 'A++' GRADE

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 22.11.2025

Summary of Publications for the Academic Year 2024-25

Journals							
S.No.	Details	SCI	SCOPUS	WOS	UGC	Other	Total
1	International Journals	1	16			14	31
2	National Journals	-	-	-	-	-	-

Conferences & Book Chapters						
S.No.	Details	IEEE	Springer	Scopus	Others/ Presented	Total
1	International Conferences	6	9	10	9	34
2	Book Chapters	-	-	-	6	6

Books				
S.No.	Details	NATIONAL	INTERNATIONAL	Total
1	Books	-	1	1

Patents				
S.No.	Details	NATIONAL	INTERNATIONAL	Total
1	Patents	3	-	5

Faculty I/c.

HOD, IT

**Journal Publications – 2024-25**

S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Journals Name	Cite	INDEX
1	Dr. Ram Mohan Rao Kovvur	Optimizing Deep Residual Networks: Incorporating Separable Convolutions into ResNet50 Architecture	International Journal of Communication Networks and Information Security	Arun Kumar Ravula ¹ and Ram Mohan Rao Kovvur ² - Optimizing Deep Residual Networks: Incorporating Separable Convolutions into ResNet50 Architecture - International Journal of Communication Networks and Information Security - IJCNIS, 108-116 2024, 16(2), 6551, ISSN: 2073-607X, 2076-0930 https://ijcnis.org/ Received: 25 July 2024, Accepted: 27 Aug 2024	SCOPUS
2	Dr. Ram Mohan Rao Kovvur	Advances in Deep Learning for Automated Plant Disease Detection: A Comprehensive Review	African Journal of Biological Sciences	Arun Kumar Ravula ¹ and Ram Mohan Rao Kovvur ² – Advances in Deep Learning for Automated Plant Disease Detection: A Comprehensive Review - African Journal of Biological Sciences - Arun Kumar Ravula / Afr.J.Bio.Sc. 6(10) (2024) ISSN: 2663-2187, Volume 6, Issue 10, 2024, Received: 17 Apr 2024, Accepted: 05 May 2024, doi:10.33472/AFJBS.6.10.2024.713-727,	Published
3	Dr. Ram Mohan Rao Kovvur	Corn Leaf Disease Classification Using ColorConstancy and Enhanced ResNet50	African Journal of Biological Sciences	Arun Kumar Ravula ¹ and Ram Mohan Rao Kovvur ² - Corn Leaf Disease Classification Using ColorConstancy and Enhanced ResNet50 – African Journal of Biological Sciences, Arun Kumar Ravula/Afr.J.Bio.Sc. Volume 6, Issue 14, Aug 2024 ISSN: 2663-2187, https://doi.org/10.48047/AFJBS.6.14.2024.3482-3500	Published: Aug 2024
4	Dr. Ram Mohan Rao Kovvur	Efficient Resource Managing and Job Scheduling in a Heterogeneous Kubernetes Cluster for Big Data	International Journal of Performability Engineering	Jayanthi M and K. Ram Mohan Rao. Efficient Resource Managing and Job Scheduling in a Heterogeneous Kubernetes Cluster for Big Data [J]. International Journal of Performability Engineering, 2024, 20(3): 157-166. Totem Publisher doi: 10.23940/ijpe.24.03.p4.157166	SCOPUS
5	Dr. Kovvur Ram Mohan Rao	Rap-Densenet Framework for Network Attack Detection and Classification	Journal of Information & Knowledge Management	Arun Kumar Silivery, Kovvur Ram Mohan Rao, and Suresh L. K. Kumar - Rap-Densenet Framework for Network Attack Detection and Classification - Journal of Information & Knowledge Management Vol. 23, No. 03, 2450033 (2024) https://doi.org/10.1142/S0219649224500333	World Scientific
6	Dr. Kovvur Ram Mohan Rao	Dual-path feature extraction based hybrid intrusion detection in IoT networks	Computers and Electrical Engineering	Arun Kumar Silivery, Kovvur Ram Mohan Rao, Ramana Solleti, "Dual-path feature extraction based hybrid intrusion detection in IoT networks" Computers and Electrical Engineering https://doi.org/10.1016/j.compeleceng.2024.109949 Received 14 June 2024; Received in revised form 23 November 2024; Accepted 27 November 2024 Computers and Electrical Engineering 122 (2025) 109949 Available online 7 December 2024 0045-7906/© 2024 Elsevier Ltd. All rights are reserved, including those for text and data mining, AI training, and similar technologies.	SCOPUS
7	Dr. Kovvur Ram Mohan Rao	Secure and Efficient Cloud Data Retrieval using Privacy-Preserved Hybrid CRNN with Swallow Swarm Optimization	Journal of Information Systems Engineering and Management	D. Kalpana, Dr. K. Ram Mohan Rao - Secure and Efficient Cloud Data Retrieval using Privacy-Preserved Hybrid CRNN with Swallow Swarm Optimization - Journal of Information Systems Engineering and Management 2025(12S)e-ISSN:2468-4376p711-730 https://doi.org/10.52783/jisem.v10i12s.1944	SCOPUS



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S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Journals Name	Cite	INDEX
8	Dr. Kovvur Ram Mohan Rao	A Secured Model For Medical Data Using Hybrid Fuzzy Neural Network with Modified Deer Hunt Optimization and Pallier Homomomorphic Encryption in Cloud Computing	African Journal of Biological Sciences (AFJBS)	D Kalpana, Dr. K Ram Mohan Rao – A Secured Model For Medical Data Using Hybrid Fuzzy Neural Network with Modified Deer Hunt Optimization and Pallier Homomomorphic Encryption in Cloud Computing - African Journal of Biological Sciences (AFJBS) - D Kalpana /Afr.J.Bio.Sc. 6(14) (2024) - Volume 6, Issue 14, Aug 2024 - ISSN: 2663-2187, p7961-7976 - https://doi.org/10.48047/AFJBS.6.14.2024.7961-7976	Published: Aug 2024 Open Access
9	Dr. Kovvur Ram Mohan Rao	Efficient and Secure Cloud Data Retrieval through Privacy – Preserved Hybrid Convolutional Recurrent Neural Network Based Swallow Swarm Optimization Algorithm	High Technology Letters Journal (HTL Journal)	Dr. Kovvur Ram Mohan Rao - Efficient and Secure Cloud Data Retrieval through Privacy – Preserved Hybrid Convolutional Recurrent Neural Network Based Swallow Swarm Optimization Algorithm - High Technology Letters Journal (HTL Journal) – Volume 30, Issue 12, December, 2024, Certificate ID: HTL/9689, ISSN: 1006-6748, Impact Factor: 2.7, Peer Review doi.org.10.37896/htl	SCOPUS
10	Dr. Tilottama Goswami, Dr. Kovvur Ram Mohan Rao	Forest Fire Detection Using Multi-Modal Learning on RGB/IR Dataset	International Journal of Engineering Trends and Technology	Tilottama Goswami, Apuru Rohan, Varkala Sujith Atesh, Kovvur Ram Mohan Rao - Forest Fire Detection Using Multi-Modal Learning on RGB/IR Dataset - International Journal of Engineering Trends and Technology - Volume 72 Issue 11, 175-183, November 2024 ISSN: 2231-5381 / https://doi.org/10.14445/22315381/IJETT-V72I11P119 © 2024 Seventh Sense Research Group®	SCOPUS
11	Dr Tilottama Goswami Dr. K. Ram Mohan Rao,	Holistic Review of Super Resolution Algorithms	Iran Journal of Computer Science	Tilottama Goswami, Surya Tejaswi, Akash Aaki, K. Ram Mohan Rao, "Holistic Review of Super Resolution Algorithms", Iran Journal of Computer Science, https://doi.org/10.1007/s42044-025-00253-9 , https://link.springer.com/article/10.1007/s42044-025-00253-9	Published: 9 th April 2025
12	Dr. S. Aruna	Deep Learning Based Attention Inference System Using IoT	Journal of Information Systems Engineering and Management (JISEM)	Dr. S. Arunat, B. Sree Varshitha , V. Abhinav, V. Srinivas Reddy - Deep Learning Based Attention Inference System Using IoT - Journal of Information Systems Engineering and Management - 2025, 10(215) e-ISSN: 2468-4376 https://www.jisem-journal.com/ pp506-512	
13	Dr. Kezia Rani Burgula	Distributed Edge Computing For Resource Allocation In Mmtc Using Non-Linear Stochastic Optimization	Journal of Computational Analysis and Applications	Kezia Rani Burgula1, Pallavi Sagar Deshpande2, V.Bhoopathy3, Keerthana4, Kusuma Rajasekhar5, Dhivya Ramasamy6 - Distributed Edge Computing For Resource Allocation In Mmtc Using Non-Linear Stochastic Optimization - Journal of Computational Analysis and Applications - VOL. 33, NO. 5, 2024 - pp107-117,	SCOPUS
14	Dr. B Kezia Rani	Metaheuristic Machine Learning Algorithms for Liver Disease Prediction	International Research Journal of Multidisciplinary Scope (IRJMS), 2024; 5(4):651-660	Deepti Gupta1, B Kezia Rani2, Indu Verma3, Shaik Khaleel Ahamed4, Arul Mary Rexy V5, N Rajkumar6, RG Vidhya7* - Metaheuristic Machine Learning Algorithms for Liver Disease Prediction - International Research Journal of Multidisciplinary Scope (IRJMS), 2024; 5(4):651-660 - Original Article ISSN (O): 2582-631X - DOI: 10.47857/irjms.2024.v05i04.01204	SCOPUS



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S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Journals Name	Cite	INDEX
15	Dr. T. Hitendra Sarma	Optimizing Hyperspectral Classification: Spectral Similarity-Based Band Selection with Chord K-Means,	Indonesian Journal of Electrical Engineering and Computer Science	Subhash Chander Goud, Thogaracheti. Hitendra Sarma, Chigarapalle. Shobha Bindu, Optimizing Hyperspectral Classification: Spectral Similarity-Based Band Selection with Chord K-Means, Indonesian Journal of Electrical Engineering and Computer Science. Vol.36, No.2, November 2024,ISSN:2502-4752, DOI: 10.11591/ijeeecs.v36.i2. pp1309-1318, ISSN:2502-4752	SCOPUS
16	Dr. M Neelakantappa	Plant Leaf Disease Classification in Precision Farming With Hybrid Classifier: Colour, Deep and Pattern-Based Feature Descriptors	Journal of Phytopathology	Mukesh Kumar Tripathi1 Madugundu Neelakantappa2 Talla Prashanthi3 Chudaman Devidasrao Sukte4 Deshmukh Dilip Pandurang5 Nilesh P. Bhosle6 - Plant Leaf Disease Classification in Precision Farming With Hybrid Classifier: Colour, Deep and Pattern-Based Feature Descriptors - Journal of Phytopathology 2025; 173:e70030, https://doi.org/10.1111/jph.70030 , pp1-19 Received: 16 February 2024 Revised: 30 November 2024 Accepted: 20 January 2025	SCI
17	Dr. S. K. Prashanth	Ai-Based Speech Recognition Systems For Assistive Technologies	International Journal of Environmental Science	Preeti Patil, SK Prashanth, Neeta Deshpande, Rucha C. Samant, 5Rajeshwari S B, Jagadish S Kallimani - Ai-Based Speech Recognition Systems For Assistive Technologies - International Journal of Environmental Science - ISSN: 2229-7359 pp1193-1205 - Vol. 11 No. 3s (2025): Special Issue on the Economics of Climate Change and Sustainability https://theaspd.com/index.php/ijes/article/view/728	Elsevier/ Scopus
18	Dr. K. Rama Krishna	BlockStream Solutions: Enhancing Cloud Storage Efficiency and Transparency through Blockchain Technology	SSRG International Journal of Electrical and Electronics Engineering	K. Rama Krishna1, M. Pounambal2, Jaibir Singh3*, Gunti Surendra4, Syed Muqthadar Ali5, B. Mallikarjuna Reddy6 - BlockStream Solutions: Enhancing Cloud Storage Efficiency and Transparency through Blockchain Technology - SSRG International Journal of Electrical and Electronics Engineering- ISSN: 2348-8379/ Volume 11 Issue 7, 134-147, July 2024 https://doi.org/10.14445/23488379/IJEEE-V11I7P111 © 2024 Seventh Sense Research Group® IJEEE, 11(7), 134-147, 2024 This is an open access article under the CC BY-NC-ND license (http://creativecommons.org/licenses/by-nc-nd/4.0/)	SCOPUS
19	Dr. K. Rama Krishna	Enhancing the Medical Diagnosis System and Treatment by Counterfactual Diagnostic Algorithm	Communications on Applied Nonlinear Analysis	Dr. K. Rama Krishna1, P Prabakaran2, Prof. Monali Shetty3, Vikash Sawan4, Dr. Hari Jyothula 5, Dr.S.Sumu Christal Mary Sundararajan 6 - Communications on Applied Nonlinear Analysis ISSN: 1074-133X Vol 32 No. 3 (2025) - pp565-576 https://internationalpubls.com	SCOPUS
20	Dr. K. Rama Krishna	Enhancing Cognitive Radio Network Through the Novel Optimization Process and Deep Learning Model in the Transverse System	Communications on Applied Nonlinear Analysis	K. Rama Krishna, P Prabakaran, Monali Shetty, Vikash Sawan, S.Sumu Christal Mary Sundararajan, M. R. Nithyaa - Enhancing Cognitive Radio Network Through the Novel Optimization Process and Deep Learning Model in the Transverse System - Communications on Applied Nonlinear Analysis - ISSN: 1074-133X Vol 32 No. 1s(2025) https://internationalpubls.com	
21	K. Srinivasa Chakravarthy	LAI calculation for Landsat, Hyperion, Sentinel using Time Series Analysis	International Journal of Intelligent Systems And Applications In Engineering	K. Srinivasa Chakravarthy1, Dr. G. Shyama Chandra Prasad 2 - LAI calculation for Landsat, Hyperion, Sentinel using Time Series Analysis – International Journal of Intelligent Systems And Applications In Engineering ISSN:2147-67992147-6799 www.ijisae.org Original Research Paper IJISAE,	



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				2024, 12(4), 2808–2813 Submitted:12/03/2024 Revised: 27/04/2024 Accepted: 04/05/2024	
22	K. Srinivasa Chakravarthy	Plant Species Identification Using a Custom CNN Model and Geometric Morphometrics – A Comparative Analysis	International Journal of Intelligent Systems And Applications In Engineering	K. Srinivasa Chakravarthy1, Dr. G. Shyama Chandra Prasad2, G. Monica3, D. Lohitha4 - Plant Species Identification Using a Custom CNN Model and Geometric Morphometrics – A Comparative Analysis - International Journal of Intelligent Systems And Applications In Engineering ISSN:2147-67992147-6799 www.ijisae.org Original Research Paper Submitted:13/03/2024 Revised: 28/04/2024 Accepted: 05/05/2024 IJISAE, 2024, 12(4), 2888–2895	
23	K. Srinivasa Chakravarthy	Estimation of Lai with a Comparative Analysis for YIELD Prediction in Rice and Maize	International Journal of Applied Engineering & Technology	1K. Srinivasa Chakravarthy, 2Dr. G. Shyama Chandra Prasad, 3M. Shruthi, 4D.V.S Anurag, 5A. Prudhvi Raj Varma - Estimation of Lai with a Comparative Analysis for Yield Prediction in Rice and Maize - International Journal of Applied Engineering & Technology - Vol. 7 No.1, January, 2025 - ISSN: 2633-4828	
24	C. Sireesha	Dynamic Conditional Encoding and Feature Frequency Parsing in Diffusion Probabilistic Models for Diabetic Foot Ulcer Detection Using Thermographic Imaging	Journal of Biomedical Photonics & Engineering	Kousar Nikhath A, Sireesha C, Swapna M, Vijayetha Thoday, Esther Rani D - Dynamic Conditional Encoding and Feature Frequency Parsing in Diffusion Probabilistic Models for Diabetic Foot Ulcer Detection Using Thermographic Imaging - Journal of Biomedical Photonics & Engineering - Paper #9193 received 4 Dec 2024; revised manuscript received 10 Jan 2025; accepted for publication 22 Jan 2025; published online 26 Mar 2025. -	SCOPUS
25	B Leelavathy Dr. Ram Mohan Rao Kovvur	Deep-CNN Based Multi-Class Classification and Accurate Severity Assessment of Biotic Stress in Paddy Leaves	International Journal Of Intelligent Systems And Applications In Engineering	B Leelavathy, Ram Mohan Rao Kovvur - Deep-CNN Based Multi-Class Classification and Accurate Severity Assessment of Biotic Stress in Paddy Leaves - International Journal Of Intelligent Systems And Applications In Engineering - Publication date 2024/12/6 Volume 12 Issue 4 Pages 2282–2293 ISSN: 2147-6799	
26	Leelavathy B, Dr. Ram Mohan Rao Kovvur	Hybrid Approach for Biotic Stress Severity Estimation using Random Forest Regressor	International Journal of Intelligent Systems And Applications In Engineering	Leelavathy B1*, Ram Mohan Rao Kovvur2 - Hybrid Approach for Biotic Stress Severity Estimation using Random Forest Regressor - International Journal of Intelligent Systems And Applications In Engineering ISSN:2147-67992147-6799 www.ijisae.org Original Research Paper - IJISAE, 2024, 12(4), 4794 - 4805 Submitted:14/03/2024; Revised: 29/04/2024; Accepted: 06/05/2024	
27	Leelavathy. B Dr. Ram Mohan Rao Kovvur	Deep Convolutional Neural Network (DEEP-CNN) for Multi-Class Classification of Biotic Stress in Paddy Crop	Journal of Computer Allied Intelligence	Leelavathy. B 1,* and Ram Mohan Rao Kovvur 2 - Deep Convolutional Neural Network (DEEP-CNN) for Multi-Class Classification of Biotic Stress in Paddy Crop - Journal of Computer Allied Intelligence ISSN: 2584-2676 Vol.03(01), February 2025, pp.01-12; JCAI, ISSN: 2584-2676, 2025, vol.03, no.01 FGS Press	



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S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Journals Name	Cite	INDEX
28	M. Sathya Devi	Multimodal Sentiment Analysis using Multiple Neural Networks and Natural Language Processing Models	International Journal of Intelligent Systems And Applications In Engineering	M. Sathya Devi*1, Dr. B. Indira2 - Multimodal Sentiment Analysis using Multiple Neural Networks and Natural Language Processing Models - International Journal of Intelligent Systems And Applications In Engineering - Submitted:10/03/2024 Revised: 25/04/2024 Accepted: 02/05/2024; IJISAE, 2024, 12(4), 2905–2910 2905-2910 ISSN:2147-67992147-6799 www.ijisae.org Original Research Paper	SCOPUS
29	M. Sathya Devi	A Multimodal Approach to Cyberbullying Detection: Integrating Text and Video in Social Media	International Journal of Engineering and Science Invention (IJSI)	M. Sathya Devi, Dr.B.Indira, Mothe Siddhi Vinayak, Bhimana Sai Vinay - A Multimodal Approach to Cyberbullying Detection: Integrating Text and Video in Social Media - International Journal of Engineering and Science Invention (IJSI) ISSN (Online): 2319-6734, ISSN (Print): 2319-6726 www.ijesi.org Volume 13 Issue 7 July 2024 PP 80-87 - DOI: 10.35629/6734-13078087	SCOPUS
30	S. RENUKA	Hybrid authentication: CNN-Bilstm Keystroke Dynamics and Hough-Based Fingerprint Verification	Journal of Theoretical and Applied Information Technology	S. RENUKA1*,2, N. SURESH KUMAR3 - Hybrid authentication: cnn-bilstm keystroke Dynamics and hough-based fingerprint Verification - Journal of Theoretical and Applied Information Technology - ISSN: 1992-8645 www.jatit.org E-ISSN: 1817-3195 – PP7027-7037	SCOPUS
31	S. RENUKA	Cloud Shield: A High-Secure Dual Authentication Protocol	International Journal of Intelligent Systems And Applications In Engineering (IJISAE)	Singanamalli Renuka1,2*, N.Suresh Kumar2 - Cloud Shield: A High-Secure Dual Authentication Protocol - International Journal of Intelligent Systems And Applications In Engineering (IJISAE)- ISSN:2147-67992147-6799www.ijisae.orgOriginal Research Paper - IJISAE, 2024, 12(4), 2696–2706 - https://ijisae.org/index.php/IJISAE/article/view/6742/5618	SCOPUS



Conference Publications – 2024-25

S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Conference Name	Details	Presented / Published/ Indexed
1	Dr. K. Ram Mohan Rao	Evaluating Cloud Security Performance for Medical Data Based on Spider Monkey Paillier Homomorphic Cryptosystem	Third International Conference on Computing and Communication Networks	D. Kalpana & K. Ram Mohan Rao - Evaluating Cloud Security Performance for Medical Data Based on Spider Monkey Paillier Homomorphic Cryptosystem - Proceedings of Third International Conference on Computing and Communication Networks - Book Series - Lecture Notes in Networks and Systems - Electronic ISSN 2367-3389 Print ISSN 2367-3370	Springer
2	Dr. K. Ram Mohan Rao	Evaluation of Multiple Apache Spark Applications using Kubernetes as a Cluster manager on Google Cloud	International Conference on Material Evolutionary Computing and Networks (ICECMSN 2024),	Dr. M. Jayanthi, Dr. K. RamMohanRao - Evaluation of Multiple Apache Spark Applications using Kubernetes as a Cluster manager on Google Cloud - International Conference on Material Evolutionary Computing and Networks (ICECMSN 2024), November 29-30, 2024, Elsevier	Procedia Computer Science Elsevier Scopus
3	Dr. Kovvur Ram Mohan Rao	Comparative Evaluation of LLAMA2 in Medical Applications	Ninth International Conference on Smart Trends in Computing and Communications (SmartCom 2025)	Pulipaka Hrishitha, Hima Atluri, Dr. Kovvur Ram Mohan Rao - Comparative Evaluation of LLAMA2 in Medical Applications - Ninth International Conference on Smart Trends in Computing and Communications (SmartCom 2025) – selected for publication in the SmartCom and guidelines issued by Springer	Springer
4	Dr. Kovvur Ram Mohan Rao	Contextual Visual Question Answering on Remote Sensing Images	Ninth International Conference on Smart Trends in Computing and Communications (SmartCom 2025)	Hrudai Aditya Dharmala, Ajay Kumar Tallada, Dr. Kovvur Ram Mohan Rao - Contextual Visual Question Answering on Remote Sensing Images - Ninth International Conference on Smart Trends in Computing and Communications (SmartCom 2025) – selected for publication in the SmartCom and guidelines issued by Springer	Springer
5	Dr. Tilottama Goswami Dr. Kovvur Ram Mohan Rao	Enhanced Dense Image Captioning Based On Transformers	8th International Conference on Electronics, Communication and Aerospace Technology ICECA 2024	Tilottama Goswami, Sathvika Potu, Kuntluri Prasanna Reddy, Veltoor Prashamsa, Kovvur Ram Mohan Rao, Mukesh Kumar Tripathi, "Enhanced Dense Image Captioning Based On Transformers", 8th International Conference on Electronics, Communication and Aerospace Technology ICECA 2024, 6-8, November 2024, Coimbatore, India,	Presented SCOPUS
6	Dr. Tilottama Goswami Dr. K Ram Mohan Rao	Smart E-learning Development Tool using Generative AI and Retrieval-Augmented Approach	12th International Conference on Big Data and Artificial Intelligence (BDA 2024)	Tilottama Goswami, Gummalla Bhavana, Cheboli VS Anirudh, Leena Reddy, K Ram Mohan Rao, "Smart E-learning Development Tool using Generative AI and Retrieval-Augmented Approach", 12th International Conference on Big Data and Artificial Intelligence (BDA 2024), 17-20 Dec, 2024, University of Hyderabad,	Presented SCOPUS
7	Dr. Tilottama Goswami Dr. K Ram Mohan Rao	Sync2Lip:Enhancing DINet for Improved LipSync Video Generation	5 th International Conference on Computer Vision and Robotics (CVR 2025)	Praneetha Balanagu, Tilottama Goswami, Akash Bheemisetty, K. Dr. Ram Mohan Rao - Sync2Lip:Enhancing DINet for Improved LipSync Video Generation - 5 th International Conference on Computer Vision and Robotics (CVR 2025) Conference dates: 25-26 April, 2025 organized by NIT Goa Technically sponsored by Soft Computing Research Society	Presented
8	Dr. S.K.ChayaDevi	Robust Prediction of COVID-19 Mortality with Ridge Regression and Hyperparameter Optimization	3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	S.K.ChayaDevi - Robust Prediction of COVID-19 Mortality with Ridge Regression and Hyperparameter Optimization - 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024) organized by Dept. of CSE at KSR College of Engineering, Namakkal, Tamilnadu & Debra Tobor University, Ethiopia. Certificate Received.	Presented SCOPUS



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9	Dr. T Hitendra Sarma	Deep Autoencoders for Blind Hyperspectral Unmixing: A Comparative Study	12th International Conference on Big Data and Artificial Intelligence (BDA 2024)	Spandana Ettireddy, Sree Nithya Panduga, Srijani Mekala, Dr. T Hitendra Sarma - Deep Autoencoders for Blind Hyperspectral Unmixing: A Comparative Study - 12th International Conference on Big Data and Artificial Intelligence (BDA 2024) held on December 17-20, 2024. (Springer- SCOPUS)	Springer- SCOPUS
10	Dr. T. Hitendra Sarma	A Lightweight HybridSN for Hyperspectral Image Classification	IEEE Indian Geoscience and Remote Sensing Symposium (InGARSS) 2024	T. Hitendra Sarma, P. Karthika, G. Maha Laxmi, M. Chandra Kiran, M. Charan Raj, Neeraj Kumar Nadipelli - A Lightweight HybridSN for Hyperspectral Image Classification- IEEE Indian Geoscience and Remote Sensing Symposium (InGARSS) 2024, 2-5 December, 2024 Presented	IEEE - SCOPUS
11	Dr. M. Neelakantappa	ECG Net-Hybrid: An IoT Integrated Hybrid CNN-LSTM Model for Real-Time ECG-Based Ailment Detection in Remote Patient Monitoring Systems	2 nd International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA-2025)	Dr. M. Neelakantappa - ECG Net-Hybrid: An IoT Integrated Hybrid CNN-LSTM Model for Real-Time ECG-Based Ailment Detection in Remote Patient Monitoring Systems - 2 nd International Conference on Algorithms and Computational Theory for Engineering Applications (ICACTEA-2025) organized by Dept. of CSE, Aditya University on 4-5 April, 2025 - All the accepted & presented papers will be available in the book series at Federated learning for Internet of Vehicles: IoV Image Processing, Vision and intelligent Systems: Volume I, Indexed by Scopus and Web of Science. https://benthambooks.com/future-series-by-subject/energy-science-technology/sub-category/transportation/	Presented.
12	Dr. M. Neelakantappa	Intelligent Pothole Detection with Adaptive Alert System for Enhanced Road Safety	International Conference on Advancements in Computational Intelligence for Knowledge Discovery & Diverse Applications (ICACIKDDA'2025)	Dr. M. Neelakantappa, Chaitanya Rajarapu, Mohammed Fahad Khan, Srimaan Narayandas - Intelligent Pothole Detection with Adaptive Alert System for Enhanced Road Safety - International Conference on Advancements in Computational Intelligence for Knowledge Discovery & Diverse Applications (ICACIKDDA'2025) – organized by Faculty of Engineering & Technology and Faculty of Science at Takshasila University held on 13-14 June, 2025	Presented IEEE
13	Dr. M. Neelakantappa	Real-Time Face Recognition for Criminal Detection and Missing Persons Identification using Multi-task Cascaded Convolutional Networks (MTCNN)	International Conference on Advancements in Computational Intelligence for Knowledge Discovery & Diverse Applications (ICACIKDDA'2025)	Dr. M. Neelakantappa, K. S. Poojitha, A.Sai Sindhuja - Real-Time Face Recognition for Criminal Detection and Missing Persons Identification using Multi-task Cascaded Convolutional Networks (MTCNN) - International Conference on Advancements in Computational Intelligence for Knowledge Discovery & Diverse Applications (ICACIKDDA'2025) – organized by Faculty of Engineering & Technology and Faculty of Science at Takshasila University held on 13-14 June, 2025	Presented IEEE
14	Dr. M. Neelakantappa	Optimizing Human Performance through Data-Driven Diet and Exercise Recommendations using Peak Fit	International Conference on Recent Advancements in Artificial Intelligence & soft Computing – ICAISC 2025	Dr. M. Neelakantappa - Optimizing Human Performance through Data-Driven Diet and Exercise Recommendations using Peak Fit - International Conference on Recent Advancements in Artificial Intelligence & soft Computing – ICAISC 2025 held at Methodist College of Engg & Technology during June 5-6 2025	Presented
15	Dr. S. K. Prashanth	A Web-Based Platform for Women Crime Data Visualization and Analysis	Proceedings of the 12th International Conference on Frontiers in Intelligent Computing: Theory and Applications (FICTA	Kachi Anvesh, N. Swapna, S. K. Prashanth, Maryam Fatima Farooqui & Novera Habeeb - A Web-Based Platform for Women Crime Data Visualization and Analysis - Intelligent Data Engineering and Analytics - Proceedings of the 12th International Conference on Frontiers in Intelligent Computing: Theory and Applications (FICTA	Springer



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S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Conference Name	Details	Presented / Published/ Indexed
			2024)	2024) pp 257–267	
16	Dr. Soanpet Sree Lakshmi	Tag Dimensionality Reduction for Enhanced Movie Recommendations in the Long Tail using Semantic clustering	4th International Conference on Cognitive & Intelligent Computing (ICCIC-2024)	Soanpet Sree Lakshmi ¹ , Dr T Adilakshmi ² and Bakshi Abhinith ³ - Tag Dimensionality Reduction for Enhanced Movie Recommendations in the Long Tail using Semantic clustering - 4th International Conference on Cognitive & Intelligent Computing (ICCIC-2024) 29-30 November 2024	Presented Springer
17	S. Rajyalaxmi	A Blockchain-Enabled Secure and Energy-Efficient Routing Protocol for Wireless Sensor Networks in Environmental Monitoring Using RL-DDPGA	International Conference on Radio Frequency Communication and Networks (RFCoN2025), 19-20 June, 2025, School of Electrical & Electronics Engineering, SASTRA Deemed University, Tirumalaisamudram, Thanjavur - 613401, Tamilnadu, India	Dr. Anshad A S, Ashish Oberoi, S. Rajyalaxmi, Dr. Ganesh M, S. Kaliappan, Dr. D. Suganthi - A Blockchain-Enabled Secure and Energy-Efficient Routing Protocol for Wireless Sensor Networks in Environmental Monitoring Using RL-DDPGA - International Conference on Radio Frequency Communication and Networks (RFCoN2025), 19-20 June, 2025, School of Electrical & Electronics Engineering, SASTRA Deemed University, Tirumalaisamudram, Thanjavur - 613401, Tamilnadu, India	IEEE
18	DRL Prasanna	Hybrid Chaotic Diffusion Confusion Algorithm(HCDCA)	6 th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2025)	Srihas Reddy KasiReddy ¹ , Rishi Gajawada ¹ , DRL Prasanna ³ , and Divya Lingineni ⁴ - Hybrid Chaotic Diffusion Confusion Algorithm(HCDCA) - 6 th World Conference on Artificial Intelligence: Advances and Applications (WCAIAA 2025) - Organized by Sardar Patel University, Mandi Technically Sponsored by Soft Computing Research Society, May 17-18,2025	Presented
19	L Divya	Legal Document Summarizer	International Conference on Recent Advancements in Artificial Intelligence, Computational Intelligence, and Inclusive Technologies ICRAIC2IT - 2025	K Manisai Ganesh, Mohammed Qawiuddin, L. Divya, DRL Prasanna, Legal Document Summarizer - - International Conference on Recent Advancements in Artificial Intelligence, Computational Intelligence, and Inclusive Technologies ICRAIC2IT – 2025 conducted by Department of Computer Science & Engineering, NRI Institute of Technology, Agiripalli, Vijayawada, India 2-3 May, 2025	Presented
20	C. Sireesha	A Fine-Tuned Transformer Model for Dysarthric Speech with Spectrograms	3 rd 2024 IEEE World Conference on Applied Intelligence and Computing (AIC 2024)	C. Sireesha, K. Ashish, R. Manjula - A Fine-Tuned Transformer Model for Dysarthric Speech with Spectrograms – 3 rd 2024 IEEE World Conference on Applied Intelligence and Computing (AIC 2024) held during July 27-28, 2024	IEEE, indexed in SCOPUS
21	C. Sireesha	MobileNet-Based Deep Learning for Accurate Potato Leaf Disease Detection	International Conference on Advance Communications and Machine Intelligence (MICA-2024)	C. Sireesha ¹ , Gouri Manasa Shanam ² , and Kaushal Attaluri ³ - MobileNet-Based Deep Learning for Accurate Potato Leaf Disease Detection - International Conference on Advance Communications and Machine Intelligence (MICA) 18th Octobor - 19th October 2024, Mahindra University, Hyderabad, Telangana, India	Presented Springer
22	C. Sireesha	Alzheimer's Disease Progression for PET Data with Incomplete Clinical Scores using Deep Learning	International Conference on Advance Communications and Machine Intelligence (MICA-2024)	Chittepu Sireesha ¹ , M Swapna ² , B. Abhinay ³ , - International Conference on Advance Communications and Machine Intelligence (MICA) 18th Octobor - 19th October 2024, Mahindra University, Hyderabad, Telangana, India	Not Presented Springer



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Date: 22.11.2025

S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Conference Name	Details	Presented / Published/ Indexed
23	C. Sireesha	Enhancing Medicinal Plant Prediction Through Deep Neural Network Algorithms	14th International Advanced Computing Conference (IACC-2024)	C. Sireesha - Enhancing Medicinal Plant Prediction Through Deep Neural Network Algorithms - 14th International Advanced Computing Conference (IACC-2024) held on 13th December 2024 at Bali, Indonesia	Presented Springer
24	C. Sireesha	Enhanced Plant Disease Detection via Ensemble Learning	7 th International Conference on Communication and Computational Technologies (ICCCT 2025)	C. Sireesha, Sheshi Kala Martha, Krishna Sai Srinivas Vootla, Loka Narsareddy, Saket Kumar Peddi - Enhanced Plant Disease Detection via Ensemble Learning - 7 th International Conference on Communication and Computational Technologies (ICCCT 2025) held at National Forensic Science University, Goa Campus during 14-15 February, 2025	SCOPUS Indexed Springer Book Series, 'Lecture Notes in Networks and Systems
25	C. Sireesha	A ResNet Based Plant Disease Diagnosis Platform	7th International Conference on Signal Processing, Computing and Control (ISPCC 2k25)	C Sireesha, M Deepthi, Suchit B - A ResNet Based Plant Disease Diagnosis Platform - 7th International Conference on Signal Processing, Computing and Control (ISPCC 2k25) - 06-08 March 2025 - Jaypee University of Information Technology Waknaghat, Solan, HP - Conference Indexing: @IEEE Digital Explore (Scopus Indexed)	Presented IEEE / SCOPUS
26	C. Sireesha	Enhancing the surveillance, assessment, and tracking of mental health and well-being among individuals using deep learning techniques	7th International Conference on Signal Processing, Computing and Control (ISPCC 2k25)	C. Sireesha, Dr Shishikala Martha - 7th International Conference on Signal Processing, Computing and Control (ISPCC 2k25) - 06-08 March 2025 - Jaypee University of Information Technology Waknaghat, Solan, HP - Conference Indexing: @IEEE Digital Explore (Scopus Indexed)	Presented IEEE / SCOPUS
27	Leelavathy. B1, Ram Mohan Rao Kovvur2	Real-Time Pothole Detection System: A Deep Learning Approach with SSD	12th International Conference on Big Data and Artificial Intelligence (BDA 2024)	Leelavathy. B1, Ram Mohan Rao Kovvur2, Khateeb Mohammed Zahid Parvez 3, Bathini Ajay Goud 4- Real-Time Pothole Detection System: A Deep Learning Approach with SSD - 12th International Conference on Big Data and Artificial Intelligence (BDA 2024), 17-20 Dec, 2024, University of Hyderabad - published by Springer's LNCS series. Springer approved to publish BDA 2024 proceedings, which will be scopus indexed. https://link.springer.com/chapter/10.1007/978-3-031-81821-9_27	SPRINGER/ SCOPUS
28	Haseeba Yaseen	An Innovative Method for Improving Lifetime Ratio in a Wireless Sensor Network for EV vehicles Using Improved Cybernated Clustering Scheme	2024 2nd World Conference on Communication & Computing (WCONF)	Surat Pyari Atti ; L Niranjan ; Rakheeba Taseen ; Haseeba Yaseen ; J Suneetha ; Afroz Pasha – 2024 2nd World Conference on Communication & Computing (WCONF) - Date of Conference: 12-14 July 2024 - Date Added to IEEE Xplore: 04 October 2024, ISBN Information: DOI: 10.1109/WCONF61366.2024.10691913 Publisher: IEEE Conference Location: RAIPUR, India	IEEE
29	Haseeba Yaseen	Bird Species Classification Using MobileNetV2 [PID:301	Fourth IEEE International Conference on "Multimedia Processing, Communications and Information Technology" - MPCIT 2024	Roshan valasa, Sai Anil Aerukonda, Haseeba Yaseen - "Bird Species Classification Using MobileNetV2 [PID:301]" Fourth IEEE International Conference on "Multimedia Processing, Communications and Information Technology" - MPCIT 2024 organized by J. N. N. College of Engineering, Shivamogga, Karnataka during December 13-14, 2024. https://ieeexplore.ieee.org/document/10892764/ https://ieeexplore.ieee.org/xpl/conhome/10892626/proceeding	IEEE



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Date: 22.11.2025

S. No.	Faculty Name (Dr./Mr./Ms.)	Title of the paper	Conference Name	Details	Presented / Published/ Indexed
30	Haseeba Yaseen	Automatic Detection of Thyroid Nodules in Ultrasound Images using Convolutional Neural Networks for Early Cancer Diagnosis	2024 International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Application (ICAIQSA)	Mummaka Harshavardhan; Lakshmi T K; P. Sritha; P. Chitra; Haseeba Yaseen - Automatic Detection of Thyroid Nodules in Ultrasound Images using Convolutional Neural Networks for Early Cancer Diagnosis - 2024 International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Application (ICAIQSA) - 20-21 December 2024 - 10.1109/ICAIQSA64000.2024.10882379 - Date Added to IEEE Xplore: 21 February 2025 DOI: 10.1109/ICAIQSA64000.2024.10882379 Publisher: IEEE	IEEE
31	Haseeba Yaseen	Comparative Analysis of Smart Contract Vulnerability Detection: Traditional Regex vs DL CodeBert Model	EEE sponsored 2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC-ROBINS)	Haseeba Yaseen - Comparative Analysis of Smart Contract Vulnerability Detection: Traditional Regex vs DL CodeBert Model - EEE sponsored 2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC-ROBINS) - 26, June 2025 ; Location: KPR Institute of Engineering and Technology, Coimbatore	Presented IEEE
32	G. Radha	Quantum cryptography protocols ensuring secure communication in the era of quantum computing	ITM Web of Conferences Volume 76 (2025) Harnessing Innovation for Sustainability in Computing and Engineering Solutions (ICSICE-2025)	J. Kamala Kumari, Ajmeera Kiran, Gadige Radha, Yadla Chandini, Mohit Tiwari, V. Hemamalini - Quantum cryptography protocols ensuring secure communication in the era of quantum computing - ITM Web of Conferences Volume 76 (2025) Harnessing Innovation for Sustainability in Computing and Engineering Solutions (ICSICE-2025) Chennai, Tamil Nadu, India, February 19, 2025	Presented
33	Sruthi Anand	Swarm Intelligence Algorithms for Optimization Problems a Survey of Recent Advances and Applications	International Conference on Sustainability Innovation in Computing and Engineering-2025	Sruthi Anand - Swarm Intelligence Algorithms for Optimization Problems a Survey of Recent Advances and Applications - International Conference on Sustainability Innovation in Computing and Engineering-2025 organized by New Prince Shri Bhavani College of Engineering and Technology (NPSBCET) on 19 th Feb 2025 - Conference Proceedings - ITM Web of Conferences with SCOPUS Indexing	Presented Open Access
34	Sruthi Anand	Predicting Toxicity of Comments using Ensemble Learning Techniques	7 th International Conference on Engineering & Advancement in Technology 2025	Sruthi Anand, Varsha Bennuri, Vineeth Reddy - Predicting Toxicity of Comments using Ensemble Learning Techniques - 7 th International Conference on Engineering & Advancement in Technology 2025 held on 27-28 June, 2025 organized by Malla Reddy College of Engineering in Association with Organization of Science & Innovative Engineering Technology in Collaboration with Manipal University College, Malasia, Samarkand State University, Uzbekistan	Presented



Book Chapters – 2024-25

S. No.	Faculty Name (Dr./Mr./Ms.)	Title Book Title	Book Chapter	Name of the Publisher	Book ISSN/ISBN
1	S. Mahesh, Dr. Rao K. Ram Mohan	Deep Generative Models for Integrative Analysis of Alzheimer's Biomarkers	Advancing Alzheimer's Disease Detection With Big Data and Machine Learning	DOI: 10.4018/979-8-3693-6442-0.ch010 Pages: 24	ISBN13: 9798369364420 ISBN13 Softcover: 9798369364437 EISBN13: 9798369364444
2	Dr. S. Aruna , Sripriya Maturi, Vaishnavi Kotha and Swarna K.	Multifaceted approaches for Data Acquisition, Processing & Communication	Leveraging AI for Student Attention Estimation	DOI: https://doi.org/10.1201/9781003470939 (https://doi.org/10.1201/9781003470939) Edition 1st Edition - First Published 2024 - Imprint CRC Press - Pages 7	ISBN : 9781032747903
3	K. Bhima Dr.M. Neelakantappa K. Dasaradh Ramaiah A. Jagan	Recent Trends in Swarm Intelligence Enabled Research for Engineering Applications A volume in Hybrid Computational Intelligence for Pattern Analysis and Understanding	Chapter 4 - An optimal and robust segmentation framework for analysis and detection of brain tumor in MRI images	https://doi.org/10.1016/B978-0-443-15533-8.00011-4 2024, Pages 131-158 26 July 2024, Version of Record 26 July 2024.	ISBN : 978-0-443-15533-8
4	Kamaleswari P, Priyadarshini A, Rakheeb Taseen, Galebathullah B, Haseeba Yaseen , Ravichandran P	Integration of AI, Quantum Computing, and Semiconductor Technology	Quantum-inspired algorithms for AI and machine learning	EISBN13: 9798369370780 DOI: 10.4018/979-8-3693-7076-6.ch004 Copyright: © 2025 Pages: 14	ISBN13: 9798369370766
5	Harishchander Anandaram, Rakheeb Taseen, Haseeba Yaseen , Anup Bhange, Nidhya M. S.	Revolutionizing Data Science and Analytics for Industry Transformation	Data Analytics and Visualization Tools and Applications	DOI: 10.4018/979-8-3693-7868-7.ch009 ISBN13: 9798369378687 ISBN13 Softcover: 9798369378694 EISBN13: 9798369378700 Copyright: © 2025 Pages: 18	ISBN13: 9798369378687 ISBN13
6	Granty Regina Elwin J, R. Ramesh Kumar Sruthi Anand N Susila	The Convergence of Artificial Intelligence (AI) and 6G Communication Networks: The Needs and Implications	AI Based Federated Learning for 6G Networks	1st Edition, Volume 139 - May 1, 2025 Editors: Pethuru Raj, Muthu Ramachandran, Usha Sakthivel, N Susila, Vijayan Asari Language: English	Hardback ISBN: 9780443189234 eBook ISBN: 9780443189241



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S. No.	Faculty Name	Book Title	Book ISSN/ISBN	Month Publication
1	Alejandro C. Frery, Rajkumar Buyya, Ram Mohan Rao Kovvur, T. Hitendra Sarma	Proceedings of ICCIDA 2024 by Springer in the series of "Lecture Notes on Data Engineering and Communications Technologies" LNDECT Computational Intelligence and Data Analytics Indexed by SCOPUS, INSPEC, and EI Compendex	Volume: 236 Electronic ISSN : 2367-4520 Print ISSN : 2367-4512 https://link.springer.com/book/9789819604500 https://www.springer.com/series/15362	March, 2025



PATENTS – 2024-25

S. No.	Faculty Name (Dr./Mr./Ms.)	Title	Application No.	Published date
1	Name of the Applicant : Vasavi College of Engineering Name of Inventor(s): 1. Bommera Sharath Chandra 2. Kunchala Pavan Kalyan 3. Dr. S. K. Chaya Devi 4. Dr. K. Ram Mohan Rao 5. Ms. C. Sireesha 6. Dr. S. K. Prashanth 7. Ms. B. Leelavathy	IoT-Enabled Precision Agriculture System for Irrigation Efficiency and Crop Yield Optimization	Application No.202541015282 A Date of filing of Application :21/02/2025 Publication Date : 07/03/2025	The Patent Office Journal No. 10/2025 Dated 07/03/2025
2	1. St. Peter's Engineering college 2. Mr.Angothu Govind 3. Dr. K. Satish Kumar 4. Mr.Purushottam Maramamula 5. Mr.Polishetti Raghu 6. Dr M. Neelakantappa 7. Mr.M Kiranmayi 8. Mr.Abdul Subhanan Shaik 9. Mr.S.Akhilendranath 10. Dr.Amjan Shaik 11. Dr.R.Venkat	Autonomous Drone Swarm System for Real-Time Aerial Surveillance and Data Collection	Application No.202541004956 A Date of filing of Application :22/01/2025 Publication Date : 31/01/2025	The Patent Office Journal No. 05/2025 Dated 31/01/2025
3	1. Mrs. U. Saritha 2. Dr. Nagagopiraju Ullam 3. Mr. Amit Ghosh 4. Mrs. Rakheeba Tahseen 5. Mrs. Haseeba Yaseen 6. Mrs. Nagendram Gella 7. Dr.Alampally Sreedevi 8. Dr. Bommireddi Lakshmana Kumar 9. Mr.Kauna Kumar.V 10. Mr.Vijoy Kumar Gettipati	A System and Method for Real-Time Image Classification using Deep Learning Algorithms	Application No.2024410549S2 A Date of filing of Application :18/07/2024 Publication Date: 02/08/2024	The Patent Office Journal No. 31/2024 Dated 02/08/2024