

SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Papers Publications during the 2024-25 and 2025-26 Academic Years:

S. No	Faculty Name	Title of the Paper	Journal/Conference	Year/Month	Indexing	DOI / Status
1	ARCHANA GELLI	A Hybrid Approach for Language Variety Prediction Using BERT and T5 Embeddings	IDCIoT (Conference)	5/2/2025	SCOPUS	https://ieeexplore.ieee.org/document/10914742
2		Bone Fracture Detection Using Residual Neural Network	ICAAAI (Conference)	4/12/2024	SCOPUS	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003641537-4/bone-fracture-detection-using-residual-neural-network
3	B S Varaprasad	Polymorphic Graph Hopfield Neural Network with Goose optimization for sleep classification	Behaviour & Information technology	Sep 2025	SCI	Under Review
4		A Double-stream convolution Transformer with LLM-Guided reasoning for Skin cancer classification	The Journal of SuperComputing	Oct 2025	SCI	Under Review
5		Framework for detecting Suspicious Vehicles Movement using machine Learning Techniques	International Conference on Modern Sustainable Systems	Oct -2025	Scopus-IEEE	10.1109/CMSS66566.2025.11182348
6		Predicting the Rice leaf disease using CNN-based VGG16 Model	International Conference& Advancement in technology	June - 2025	Scopus-IEEE	Under Proceeding
7	B Yugandhar	Trackle comorbid obesity in T2dm by applying new strategies to optimize glycaemic control and weight management	Algorithms in Advanced Artificial Intillenge (ICAAAI-2023)	Dec/2023	Scopus	10.1201/9781003529231-11
8		Analysis and Prededion of Health insurance cost using Machine learning approaches	International Conference on Computational , Innovations and Emerging Trends (ICCIET-2K24)	April/2024	Scopus & web of science	10.2991/978-94-6463-471-6_55

9		Medicine Supply Chain system using Blockchain	3rd International Conference on Datascience & Artificial intelligence(ICDSAI-2024)	May/2024	Scopus	NA
10		Crime Data Analysis Using Naive Bayes Classification and Least Square Estimation with MapReduce	International Journal of Computational Methods and Experimental Measurements	Sept/ 2024	SCI	10.18280/ijcmem.120309
11		Maternal Dyslipidemia During Pregnancy Correlates with Elevated Lipid Levels in One-Year-Old Infants	International Journal of Computing and Digital Systems	Sept/ 2024	Scopus & web of science	10.12785/ijcds/1601104
12		Polycystic kidney disease identification: Harnessing deep neural networks for accurate diagnosis	2nd International Conference on “ Algorithms in Advanced Artificial Intillenge (ICAAAI-2024)	Dec/2024	Scopus	NA
13		SHAP-Driven Interpretability of Autism Risk in Pregnancy Using Explainable AI	International Conference on Integrated Intelligence and Communication Systems (ICIICS)	Feb/2025	Scopus - IEEE	10.1109/ICIICS63763.2024.10859415
14		Transfer learning enhanced scalable convolutional neural network with multi-layer feature optimization for predecting periodonatl disease using Dental X-ray imaging	9th International Conference on Information and Communication Technology for Intelligent Systems	April/2025	Scopus	NA
15	Dr.AppikondaMohan DurgaKumar	Dynamic performance analysis of DC–DC boost converter with one-and two-voltage multiplier cells for high voltage gain and voltage regulation	Electrical Engineering	June/ 2024	SCI	10.1007/s00202-024-02481-x
16		An Enhanced Adaptive Feature Fusion Network for Predicting Origin-Destination Passenger flow in Metro Systems	International Conference on Recent Advancements in Artificial Intelligence and Soft Computing- ICAISC-2025 (Journal listed as Grenze International Journal of Engineering and Technology)	June/ 2024	UGC	https://thegrenze.com/index.php?display=page&view=journalabstract&absid=5392&id=8
17		Eco-friendly synthesis of silver oxide nanoparticles using cow urine for potential breast cancer therapy	Inorganic and Nano-Metal Chemistry	Nov/ 2025	SCI	10.1080/24701556.2025.2596829
18	Dr. M Vijaya Raju	AnalysisofBigDataand itsDisruptionviaData	IC3TES (Conference)	Nov 2024	Scopus	https://doi.org/10.1109/IC

		Mining Algorithms				3TES62412.2024.10877613
19		DeepLeaf: A Multiclass Convolutional Neural Network framework to precisely classify the crop disease with RGB images and clinical assessment measures on cotton leaf disease	LIBERTE JOURNAL	June-2025	Scopus	doi.org/10.5281/zenodo.15772181
20		A Deep Learning and Blockchain-based Trust Model with Multi-Risk Protection for Secure Cloud-Based IoT Data Transmission.	Spinger Publisher	In Progress	SCI	Under Publication
21		Deep Learning Model for Powered Phoma Blight Disease Identification in Black Gram	GyanTaru	In Progress	Scopus	Under Publication
22		Real-Time Detection of Anthracnose in Black Gram Plant Leaves Using YOLOv8 and Image Processing Techniques.	Boletim da Sociedade Paranaense de Matematica	In Progress	Scopus	Under Review
23		Automated Web-based Eye Screening with CNN and YOLOv8 Classification Model	Innovations in Healthcare: Smart and Advanced Applications (IHCSAA) (Conference)	NA	Scopus	Under Publication
24	Dr. N. Tulasi Raju	Optimal gene therapy network: Enhancing cancer classification through advanced AI-driven gene expression analysis	e-Prime - Advances in Electrical Engineering, Electronics and Energy- Elsevier	March/2024	Scopus	https://www.sciencedirect.com/science/article/pii/S2772671124000317
25		Detection of Brain tumour using convolutional neural network	Journal of Non Linear Analysis and Optimization	2024	UGC	NA
26		A Robust Diabetic Retinopathy Prediction System using Model based Feature Extraction and Machine Learning Algorithms	African Journal of Biological sciences	July/2024	UGC	https://www.afjbs.com/issue-content/a-robust-diabetic-retinopathy-prediction-system-using-model-based-feature-extraction-and-machine-learning-algorithms-3414
27		Time series forecasting and modelling of food demand supply chain based on	CAHIERS MAGELLANES-NS	July/2024	UGC	https://cahiersmagellanes.com/index.php/CMN/arti

		regressors analysis				cle/view/548
28		Deepside A Deep Learning Framework for drug side effect Prediction	Bioscan	November/2024	UGC	https://thebioscan.com/index.php/pub/article/view/2503
29		Machine Learning Techniques to Identify the High-Resolution Radar Image by Supervised Trained Virtual Data	2024 Second International conference Computational and Characterization Techniques in Engineering & Sciences (IC3TES)	November/2024	Scopus	https://ieeexplore.ieee.org/abstract/document/10877440
30		Interpretable Ensemble Learning for Ovarian CancerDetection using SHAP-Guided Feature Selection	Grenze International Journal of Engineering and Technology (GIJET)	June/2025	UGC	Grenze ID: 01.GIJET.11.2.818_24
31		Framework for Detecting Suspicious Vehicles Movements using Machine Learning Techniques	2025 International Conference on Modern Sustainable Systems (CMSS)	August/2025	IEEE Xplore	https://ieeexplore.ieee.org/abstract/document/11182348
32		Predicting Diseases Based on Symptoms Using Machine Learning with Chatbot	Proceedings of Sixth International Conference on Computer and Communication Technologies	October/2025	Scopus	https://link.springer.com/chapter/10.1007/978-981-96-7477-0_9
33	Dr. PAMIDI SRINIVASULU	Optimal gene therapy network: Enhancing cancer classification through advanced AI-driven gene expression analysis	Elsevier Journal	Vol. 7, 2024	Scopus	10.1016/j.prime.2024.100449
34		Automatic Attendance Monitoring System using RFID and Face Recognition	IEEE Explore (ICISC-2025)	Oct-2025	NA	10.1109/ICISC65841.2025.11188331
35		Framework for Detecting Suspicious Vehicles Movements Using Machine Learning Techniques	IEEE Explore	2025	NA	10.1109/CMSS66566.2025.11182348
36		Sustainable Power Generation from Municipal Solid Waste Using Machine Learning and IoT	Grenze International Journal of Engineering and Technology	June 2025	NA	Grenze ID: 01.GIJET.11.2.51_24
37		Regression Techniques for Modelling and Optimization of Biogas Production	Grenze International Journal of Engineering and Technology	2025	NA	01.GIJET.11.2.802_24
38		Design and Development of AI Driven Autonomous Wheel Chair Navigation with IoT and Voice Control	NA	2025	NA	NA

39		Sustainable Power Generation from Municipal Solid Waste Using Machine Learning and IoT	Grenze International Journal of Engineering and Technology	2025	NA	01.GIJET.11.2.802_24
40		AI and ML-Powered Hospital Management: Leveraging Random Forest, CNNs, and Reinforcement Learning for Optimized Healthcare Operations	NA	2025	NA	10.48047/IJIEMR/V14/IS SUE 05/07
41	Dr. P SRINU VASA RAO	Developing Nex Waveforms for Multiuser VLC Networks employing Deep Learning	2024 Second International Conference Computational and Characterization Techniques in Engineering & Sciences (IC3TES)	15-16 November 2024	NA	10.1109/IC3TES62412.2 024.10877651
42		Probe Method: A Dependable Economy Data Methodology Feature Selection for Machine Learning	ICAAAI-2024	4-5th December 2024	NA	https://doi.org/10.1201/9781003529231
43		Enhancing Intrusion Detection in Smart Grids: A Machine Learning-based Defense Against DDoS Attacks with Imbalance-Aware Optimization	2025 International Conference on Electronics and Renewable Systems (ICEARS)	11-13 February 2025	NA	10.1109/ICEARS64219.2 025.10940900
44		Regression Techniques for Modelling and Optimization of Biogas Production	GRENZE International Journal of Engineering & Technology	June-2025	SCOPUS	01.GIJET.11.2.802_24
45		Sustainable Power Generation From Municipal SolidWaste Using Machine Learning and IoT	GRENZE International Journal of Engineering & Technology	NA	SCOPUS	NA
46		Regression Techniques for Modelling and Optimization of Biogas Production	Hinweis Fourth International Conference onNetworking, Communication and Computing Technology (NCCT)	May 31-1-2 June 2025	NA	NA
47		IOT Enables Remote Control Smart Garden with Solar System	IRJAEM	07 July-2025	SCOPUS	10.47392/IRJAEM.2025. 0381
48		A Multi-Sensor Fusion Approach for Smart Wheelchair Navigation Using IoT and Artificial Intelligence	IRJAEH	07 July 2025	SCOPUS	https://doi.org/10.47392/IRJAEH.2025.0448
49		Smart Vehicle Tracking System Using GPS	2025 International Conference on Next	8th and 9th	NA	10.1109/GIET65294.202

		and IoT for Real-Time Monitoring and Alerts	Generation of Green Information and Emerging Technologies (GIET)	August 2025		5.11234816
50		CNN-BASED DEEP LEARNING FRAMEWORK FOR THYROID CANCER DETECTION USING THE AIM –A HEAD THYROID IMAGING DATASET	ICATES - 2025	October 04-05, 2025	NA	NA
51		Fingerprint-Based Pattern Recognition for Accurate ABO Blood Group Prediction	IRJAEH	November 2025	SCOPUS	https://doi.org/10.47392/IRJAEH.2025.0585
52		Automated Student Attendance Recognition Using Image Segmentation and Artificial Intelligence	IRJAEH	November 2025	SCOPUS	https://doi.org/10.47392/IRJAEH.2025.0592
53		Multi-Modal Sentiment Analysis of Social Media Using CNN-LSTM Hybrid Models	IRJAEH	November 2025	SCOPUS	https://doi.org/10.47392/IRJAEH.2025.0592
54		Predicting Viewer Satisfaction on Streaming Platforms Using LSTM-Based Sentiment Analysis	ICAA1-2025	11-13 December 2025	NA	https://doi.org/10.1201/9781003641537
55		Sustainable Power Generation from Municipal Solid Waste using Machine Learning and IoT	Hinweis Fourth International Conference onNetworking, Communication and Computing Technology (NCCT)	May 31-1-2 June 2025	NA	NA
56	Dr. S. Gopinath	Deep Neural Network Approach for Multi Class Stress Detection Through Heart Rate Variability	Journal of Information Systems Engineering and Management	Dec 2024	SCOPUS	https://www.jisem-journal.com/index.php/journal/article/view/11595
57		Spam detection in social media using emoji and post comment features with ML ensembles methods.	3rd International conference on 6G Communications Networking and Signal Processing(SGCNSP- 2024)	DEC 2024	Springer	NA
58		Deep neural network approach for multi Class stress detection through Heart Rate Variability	3rd International conference on 6G Communications Networking and Signal Processing(SGCNSP- 2024)	DEC 2024	Springer	NA
59		Stable and cost-effective La-doped WO3 nanoparticles for photocatalytic degradation of organic and antibiotic pollutants under visible light.	Ceramics International	May/2025	Science Direct - ELSEVIER	https://doi.org/10.1016/j.ceramint.2025.01.296

60	Dr. T Kesava Rao	A word Embeddings and stylistic features based approach for generative AI authorship verification	Ceramics International	Aug 2025	IEEE, Scopus	9798331553586/25/31 doi:10.1109/EAIC66483.2025.11101533
61		Renewable Energy Integration : challenges and solutions	NA	Nov 2025	IEEE, Scopus	9798331596101/25/31
62	Gubbala Vani	CNN-BASED DEEP LEARNING FRAMEWORK FOR THYROID CANCER DETECTION USING THE AIM –A HEAD THYROID IMAGING DATASET	ICATES - 2025 (Conference)	Oct, 2025	Scopus	NA
63	K .Rajesh Kumar	Interpretable Ensemble Learning for Ovarian Cancer Detection using SHAP-Guided Feature Selection	Grenze International Journal of Engineering and Technology, June Issue	June 2025	Scopus	Processing
64		An Enhanced Adaptive Feature Fusion Network For Predicting Origin-Destination Passenger Flow In Metro System	International Conference On Recent Advancement In Artificial Intelligence & Soft Computing-Icaisc-2025	June 5TH AND 6TH 2025	Scopus	ACCEPTED
65		A Novel Cnn-Rnn-Bayesian Hybrid Model For Predicting Cardiac Arrest In Neonatal Intensive Care	7th International Conference On Engineering And Advancement In Technology– 2025	JUNE 27th-28th, 2025	UGC	https://doi.org/10.47392/IRJAEH.2025.0434
66		Climate –Aware Agricultural Land Suitability Prediction Using Machine Learning And Deep Learning Ensembles	Ieee Conference On Smart Technologies And System For Next Generation Computing(Igtsn 2025)	November 20th and 21st 2025	Scopus	NA
67		A Hybrid Machine And Deep Learning Framework For Student Risk Prediction In Learning Management Systems	International Conference On Nexgen Networks And Cybernetics (Ic2nc)	1–3 December 2025	Scopus	ACCEPTED
68	K.CH.S.PRABHAKARA RAO	Liver Disease Prediction using Machine Learning and Deep Learning	African Journal of biological science	2024	Scopus	10.48047/AFJBS.6.12.2024.5099-5105
69		PROBE METHOD:A DEPENDABLE ECONOMY DATA METHODOLOGY FEATURE SELECTION FOR MACHINE LEARNING	Taylorfrancis (1 ST –ICAAI-INTERNATIONAL CONFERENCE)	2024	SCOPUS	10.1201/9781003529231-65
70		HYBRID SYSTEM FRAMEWORK FOR AI PIPELINE AND AI	Taylorfrancis (2 ND –ICAAI-INTERNATIONAL CONFERENCE)	2025	SCOPUS	10.1201/9781003641537-112
71		Multi-Modal Sentiment Analysis of Social	International Research Journal on	2025	SCOPUS	10.47392/IRJAEH.2025.0

		Media Using CNN-LSTM Hybrid Models	Advanced Engineering Hub (IRJAEH)			586
72	K.Sirisha	Addressing Noise,Variance Shifts,and Training Instability in Time Series Forecasting:A Hybrid Wavelet –Variance Embedding LSTM Approach.	Journal of Theoretical and Applied Information Technology	Oct/2025	Scopus	https://www.jatit.org/volumes/Vol103No20/28Vol103No20.pdf
73	Mr. G Veerendra Kumar	Design and Development of a Dual-Mode Floor Cleaning Four Wheel Robots with Manual and Automated Functionality	International Conference on Innovations and Future Scope of Mechanical Engineering in the Digital Era (AIP Conf. Proc.)	September/2025	Scopus	https://doi.org/10.1063/5.0296421
74		Design and Development of AI Driven Autonomous Wheelchair Navigation with IoT and Voice Control	ICNCDA-2025 (AIP Conf.)	NA	Scopus	Under the Process
75		Predicting the Rice Leaf Diseases using CNN-Based VGG16 Mode	7th INTERNATIONAL CONFERENCE ON ENGINEERING & ADVANCEMENT IN TECHNOLOGY 2025 (Springer Nature)	NA	Scopus	Under the Process
76		Mechanical Characterization of SMAW and TIG Welded Joints using Machine Learning Techniques	International Conference on Advances in Materials, Manufacturing, Mechanical, Mechatronics, and Energy 2025 (Scientific.Net)	NA	Scopus	Under the Process
77		enhancing the performance of passive solar still with wooden pieces	ICMES-2025 (AIP Conf.)	NA	Scopus	Under the Process
78	Mr. K V PeddiRaju	A Word Embeddings and Stylistic Features based ApproachforGenerativeAI AuthorshipVerification	International Conference on Electronics, AI, and Computing	June 2025	IEEE Conference	https://ieeexplore.ieee.org/document/11101533
79		Tri – Model DeepFusion; A privacy – Preserving Hybrid Feature-Score Fusion Fraework for Multimodel Biometric Authentication Using Face, Fingerprint, and Iris	Submitted (Conference)	NA	NA	Submitted
80	M.SATYANARAYA NA	Detection of Braintumor using convolutional neural network	Journal of nonlinear analysis and optimization	June 2024	UGC	NA

81		TIME SERIES FORECASTING AND MODELLING OF FOOD DEMAND SUPPLY CHAIN BASED ON REGRESSORS ANALYSIS	CAHIERS MAGELLANES-NS	JUNE 2024	UGC	10.6084/m9.figshare.2631278
82		Automated Image Segmentation for Complex Scenes Using U-Net Architecture	International journal of research and innovation in applied science(ijrias)	July 2025	UGC	10.51584/IJRIAS.2025.100700006
83		Automatic attendance monitoring systems using RFID and facerecognition	Hinweis ThirdInternational conference on inventive systems and control(icisc)	August 2025	IEEE	NA
84	Mrs. Iduri Praveena	Enhancing Road Safety Through Deep Learning-Based Helmet Detection In Surveillance Videos	Journal of Nonlinear Analysis and Optimization	June 2024	UGC Care	NA
85		Deep Neural Network Approach for Multi Class Stress Detection Through Heart Rate Variability	Journal of Information Systems Engineering and Management	18 Dec 2024	NA	NA
86		Dynamic Graph Representation for WSI Classification: A Knowledge-Aware Attention Mechanism for Enhanced Computational Pathology	2025 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI)	20 May 2025	Scopus	10.1109/IC3ECSBHI63591.2025.10991229
87		Improving Diabetic Retinopathy Screening by use of Deep Feature Extraction from Pre-Trained CNN Models	2025 International Conference on Computational Robotics, Testing and Engineering Evaluation (ICCRTEE)	02 July 2025	Scopus	10.1109/ICCRTEE64519.2025.11052940
88		A Multi-Sensor Fusion Approach for Smart Wheelchair Navigation Using IoT and Artificial Intelligence	International Research Journal on Advanced Engineering Hub (IRJAEH)	07 July 2025	NA	https://doi.org/10.47392/IRJAEH.2025.0448
89		Diabetic Retinopathy Classification Using Swin Transformer: A Vision Transformer-Based Approach	2025 3rd International Conference on Inventive Computing and Informatics (ICICI)	15 July 2025	Scopus	10.1109/ICICI65870.2025.11069800
90		Enhancing Diabetic Retinopathy Classification Using Hybrid Deep and Handcrafted Feature Extraction with Optimized Classifiers	2025 International Conference on Information, Implementation, and Innovation in Technology (I2ITCON)	04 November 2025	Scopus	10.1109/I2ITCON65200.2025.11210739
91	Mrs. T V Satya	DH-AAGAT: Dynamic Hierarchical Auto	IEEE (Conference)	NA	Scopus	In-process

	Sheela	Associative Graph-Attention Transformer for Rice Leaf Disease Detection				
92		Enhancing Gender Identification on Twitter with Transformer-Based Text–Image Fusion for Author Profiling	Journal of Emerging Technologies and Innovative Research	October-2025	UGC	NA
93	Mrs. V Srilakshmi	Addressing Noise,Variance Shifts,and Training Instability in Time Series Forecasting:A Hybrid Wavelet –Variance Embedding LSTM Approach.	Journal of Theoretical and Applied Information Technology	Oct/2025	Scopus	https://www.jatit.org/volumes/Vol103No20/28Vol103No20.pdf
94	Subhabrata Sinha	Smart Eye Tracking System	KRONIKA JOURNAL	Sept-17 2025	Scopus	https://zenodo.org/records/17141885