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SCHOOL OF SCIENCE
DEPARTMENT OF COMPUTER APPLICATIONS

Academic Year	Indexed Publications Total – 17 (SCIE - 03, SCOPUS - 14)	Papers Presented (to be indexed)
2025-26	Journals – 07 (SCIE - 03, SCOPUS - 04) Conferences – 08 (SCOPUS) Book Chapters – 02 (SCOPUS)	Conferences – 15

Faculty Journal Publications during the A.Y. 2025-26

Sl. No.	Author Name	Title of the Paper	Publication Details	DOI	SCI/SCIE/ SCOPUS/ WOS/UGC	Q-Index	Author Position
1	C. Sharanya, M. Prasanna Lakshmi , P. S. Velumani, Subhadra Perumalla, S. Lakshmanaprakash, Mahendra T. Jagtap, Amar Choudhary, Parameswaran Ramesh	Network Slicing Concurrent Resource Allocation for Improving Service Response of 6G Network Using a Novel Cycle-Consistent Spatial Frequency Self-Attention Network With Tasmanian Devil Optimization	International Journal of Communication Systems: Volume 38, Issue 12, July 2025, ISSN: 1099-1131	https://doi.org/10.1002/dac.70156	SCIE and SCOPUS	Q2 SJR: 0.462	2 nd
2	S. Phani Praveen, V. Esther Jyothi , Kanhaiya Sharma, S. Sindhura	Optimized Hybrid Features Enhance ML-Driven Defect Detection and Quality Control in Textiles	Journal of Textile Association, Volume 86 No. 2, July-August'25, 196-204, ISSN: 0368-4636	https://www.doi.org/10.63665/jta.v86i2.10	SCOPUS	Q4 SJR: 0.122	2 nd
3	K. Anji Reddy , Syed Ziaur Rahman, B. Manikyala Rao, Mohammed Ali Hussain, C. V. K. Sirisha & Malathi Puligadda	Explainable AI in parkinson's disease detection: leveraging lime for transparent model interpretation and improvement	International Journal of System Assurance Engineering and Management, Volume 16, Issue 9, September 2025, ISSN: 0976-4348	https://doi.org/10.1007/s13198-025-02966-3	SCOPUS and ESCI	Q2 SJR: 0.377	1 st
4	K. Swarupa Rani, B. Lakshmi , Dr. Yarlagaadda Anuradha, Dr. Kolluru Suresh Babu, P. Venkateswarlu Reddy, Ch. Sabitha, Divvela.Srnivasa Rao	DSS Query Optimization Using Entropy based Restricted Genetic Approach and parallel Processing	Journal of Theoretical and Applied Information Technology, November 2025, Vol. 103, No. 22, ISSN: 1817-3195	--	SCOPUS	Q4 SJR: 0.168	2 nd
5	Burhanuddin Safi, A. H. Hasmani, Purnachandra Rao Koya	A Mathematical Framework for the Transmission Dynamics and Optimal Control of HCV-HIV Coinfection and Superinfection	International Journal of Mathematics and Mathematical Sciences, March 2026, ISSN:0161-1712	https://doi.org/10.1155/ijmm/3321786	SCOPUS and ESCI	Q3 SJR: 0.283	3 rd
6	E Murali , T Prasad, J. Hari Krishna , Abdul Hussain Sharief, Peta Nandini	Enhanced diagnosis of diabetic retinopathy: integrating advanced algorithms for automated detection and classification	International Journal of Ophthalmology-IJO, Volume, Issue 4, April 2026, 637-645, ISSN 2227-4898	https://doi.org/10.18240/ijo.2026.04.01	SCIE and SCOPUS	Q2 SJR: 0.595	3 rd

7	N. S. Koti Mani Kumar Tirumanadham, S. Phani Praveen, V. Esther Jyothi , Balamuralikrishna Thati, B. N. Swamy, and Deshinta Arrora Devi	CrossMF: A Memory-Augmented Transformer for Fast and Generalizable Emotion Recognition	International Journal of Pattern Recognition and Artificial Intelligence, Vol. 40, No. 8 (June 2026) 2650007, ISSN: 1793-6381	https://doi.org/10.1142/S0218001426500072	SCIE and SCOPUS	Q3 SJR: 0.273	3 rd
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Faculty Book Chapter Publications during the A.Y. 2025-26

Sl.No.	Author Name	Title of the Chapter	Publication Details	ISBN	SCOPUS/ WOS/ UGC	Publishers	UG/ PG
1	Esther Jyothi, V. , Regulagadda, R., Manjula, A., Murthy, G.V.K., Nagesh, P., Siva Nageswara Rao, G.	Chapter 7 - Fuzzy Frontiers: Advances in Fuzzy Systems for Real-World Applications. https://doi.org/10.1007/978-3-031-87697-4_7	Data Analytics for Smart Robotics and Its Applications. Intelligent Systems Reference Library, vol 272. Springer, Cham., July 2025	978-3-031- 87697-4	SCOPUS	Springer, Cham	--
2	K. Parish Venkata Kumar, R.Praveen Kumar	Iris data set Analysis and Classification Using Machine Learning Algorithm	Integration of Artificial Intelligence and Machine Learning Methods for Smart Internet of Things Systems and Its Applications	978-93- 49392-61-8	---	GCS Publishers	PG
3	V Esther Jyothi, Vijaya Anjuri, Sravani Bollineni, K Anji Reddy	Energy-Efficient Resource Allocation and Relay-Selection for Wireless Sensor Networks. https://doi.org/10.1007/978-3-032-18802-1_37	Intelligent Computing and Automation. pp 425–434 Smart Innovation, Systems and Technologies (SIST,volume 476), May 2026	978-3-032- 18802-1	SCOPUS	Springer, Cham	PG

Faculty and Students Conference Publications during the A.Y. 2025-26

Sl. No.	Author Name	Title of the Paper	Publication Details	DOI	SCI/SCIE/ SCOPUS/ WOS/ UGC	Publisher	UG/PG
1	Kolla Sri Amrutha, B. Srinivas, A. Srisaila	Combining RoBERTa Embeddings and Readability Metrics for Detecting AI-Generated Text in Academic Research Papers	1st International Conference on Power and Intelligent Control Systems (PICS-2025) organized by the Department of Electrical Engineering, NIT Hamirpur, held on 04–05 July, 2025	--	--	Springer	PG
2	S. Venkata Srinidhi Thanmayi, B. Lakshmi, Y. Sangeeta	Classifying MRI - Based Brain Tumors Using Deep Convolutional Neural Network		--	--	Springer	PG
3	Botcha Divya, Yelavarti Kalyan Chakravarti, V. Esther Jyothi, A. Satya Kranthi	Revolutionizing SDN Security: An Intelligent Intrusion Detection System	10 th International Conference on “ICT for Sustainable Development (ICT4SD-2025)”, organized by GR Foundation, Goa, India, 17-19 July, 2025	https://doi.org/10.1007/978-3-032-06694-7_20	SCOPUS	Springer	PG
4	Chalamalasetty Nishitha, Yelavarti Kalyan Chakravarti, V. Esther Jyothi	Blockchain-Powered Secure Federated Learning for Healthcare: Privacy-Guaranteed AI Training with ZKP-Enhanced SMPC and Tamper-Proof Model Aggregation	10 th International Conference on “ICT for Sustainable Development (ICT4SD-2025)”, organized by GR Foundation, Goa, India, 17-19 July, 2025	https://doi.org/10.1007/978-3-032-06694-7_21	SCOPUS	Springer	PG
5	Katta Bhavana, Madhavi Latha Pandala, B. Srinivas	An AI-Powered Instant Voice Message Translation for Multilingual Communication	International Conference on Intelligent and Secure Engineering Solutions (CISES-2025), 11-13 August, 2025	https://doi.org/10.1109/CISES66934.2025.11265466	IEEE Explore and SCOPUS	IEEE	PG
6	V. Esther Jyothi, Rajashree, S Phani Praveen, Laxmi Hugar, Ruhisulthana Shaik, Sandeep Poddar	Artificial Intelligence-Powered Protocols for Enhancing Security in Next-Generation Communication Networks	3rd International Conference on “Intelligent Cyber Physical Systems and Internet of Things (ICoICI-2025)”. Organized by JCT College of Engineering and Technology, Coimbatore, India, 17-19, September 2025	https://doi.org/10.1109/ICoICI65217.2025.11252990	IEEE Explore and SCOPUS	IEEE	--
7	G. Sri Navya, Koya Purnachandra Rao	Hybrid EfficientNetB3 and DenseNet201 with CBAM Attention for Multi-Class Skin Disease Classification	3 rd DMIHER International Conference on Artificial Intelligence in Healthcare, Education and Industry (IDICAIHEI), Organized by Datta Meghe Institute of Higher Education & Research (Deemed to be University), 28-29 November 2025	https://doi.org/10.1109/IDICA IHEI65991.2025.11379054	IEEE Explore and SCOPUS	IEEE	PG

8	T.Sai Durga, B. Srinivas, L.Niharika	Feasibility Study of Crop Disease Classification Using Synthetic Hyperspectral Features	RESEARCH CONCLAVE 2025, organized by Siddhartha Academy of Higher Education (Deemed to be University) during 23-24, January 2026			Springer	PG
9	T. Sai Harish, B. Srinivas, G. Deepika	Design and Implementation of a Unified Booking and Transit Optimization Platform for Integrated Railway and Metro Networks				Springer	PG
10	B. Lalitha, B. Lakshmi, B. Bhavana	Smart Segmentation 2.0 (Extended with Voice-Mood Detection)				Springer	PG
11	J. Sireesha, K. Anji reddy, B. Ramya Gayatri, P. Indu Sri, J. Venkata Sai	Supervised Machine Learning Models for Electricity Demand Forecasting: A Dataset-Driven Analysis				Springer	PG
12	P. Hrudaynadh, V. Esther Jyothi, P. Syamala	Phishing URL Pattern Clustering Using Unsupervised Machine Learning				Springer	PG
13	Kancharla Pavani Tanmaya Sri, J.Hari Krishna, Kondaveeti Raghavendra, Jami Manohar	Exploring Land-Use Shifts in a Wetland Ecosystem Using Multispectral Remote Sensing Data and Google Earth Engine				Springer	PG
14	K. Bhanupriya, Ch. Baby Rani, Purnachandra Rao Koya	Mathematical Modelling the Propagation Dynamics of HIV/AIDS with respect to Protection and Treatment				Springer	--
15	M.Venkata Rao, M.Prasanna Lakshmi, V.Esther Jyothi	Evolution of Problem-Solving Skills in Indian Culture: From Ancient Knowledge Systems to the Modern Scientific Era				Springer	--
16	Rajesh Polepogu, K. Parish Venkata Kumar, Narendra Kumar Hetcherla, Ravichand Mandalapu, Karthikeya Kondapavuluri, D.Sesha Srinivasa Dhanvantr	Arduino based Rainwater Harvesting System for Fulfilment of Water Supply-demand Imbalances				Springer	--
17	Jayaranjan.M, Rajesh Polepogu, K. Parish Venkata Kumar,	An Artificial Intelligence-Driven System for Evaluating and Parsing Resumes				Springer	--

	Ravichand Mandalapu, K.Srinivas, Karthikeya Kondapavuluri						
18	P.Hemalatha, M.Prasanna Lakshmi	Enhanced Prediction of Polycystic Ovary Syndrome using Machine Learning Model	Intelligent Systems for a Sustainable Future (ISSF 2026) organized by Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, India during March 12-13, 2026			Springer	PG
19	D. Akhilandeswari; V. Esther Jyothi; Krishnaveni Musku	Hybrid Deep Learning and IoT- Enabled Framework for Real- Time Monitoring and Management of Coastal Marine Litter	2026 IEEE International Conference on AI Engineering and Innovations (AIEI) organized by NIT Jamshedpur, India on 26-28 March 2026	10.1109/AIEI69164.2026.11497627	IEEE Explore and SCOPUS	IEEE	PG
20	Panchakarla Prabhath Kumar; V. Esther Jyothi; Suneetha Manne; Mugunth Chandran; Krishnaveni Musku	File Vault Secure: Multi-Factor Encryption Using Password, Geolocation, and One-Time Password (OTP)	2026 IEEE International Conference on AI Engineering and Innovations (AIEI) organized by NIT Jamshedpur, India on 26-28 March 2026	10.1109/AIEI69164.2026.11497340	IEEE Explore and SCOPUS	IEEE	PG
21	Phalguni Kalepalli; Mallikharjuna Rakesh Manepalli; V. Esther Jyothi; Deepika Paturu	NutriFit360 AI: An Intelligent Machine Learning-Based Diet and Workout Recommendation	2026 IEEE International Conference on AI Engineering and Innovations (AIEI) organized by NIT Jamshedpur, India on 26-28 March 2026	10.1109/AIEI69164.2026.11497466	IEEE Explore and SCOPUS	IEEE	PG
22	Bala Vaishnavi, Koya Purnachandra Rao	Eco Harvest Advisor: A Smart Agricultural Solution for Crop and Input Management using Machine Learning	3rd International Conference on Advances in Engineering and Medical Sciences 2026 Organised by International School of Technology & Sciences, India on April 17 - 18, 2026				PG
23	Mohammad Ayesha Tabassum, M. Prasanna Lakshmi	Dual-View Diabetic Screening from Tongue Images and Foot Thermography Using Transfer Learning and Lightweight UI	9th International Conference on Trends in Electronics and Informatics (ICOEI 2026) organized by SCAD College of Engineering and Technology Tirunelveli, India during April 21-23, 2026	10.1109/ICOEI68323.2026.11541669	IEEE Explore	IEEE	PG