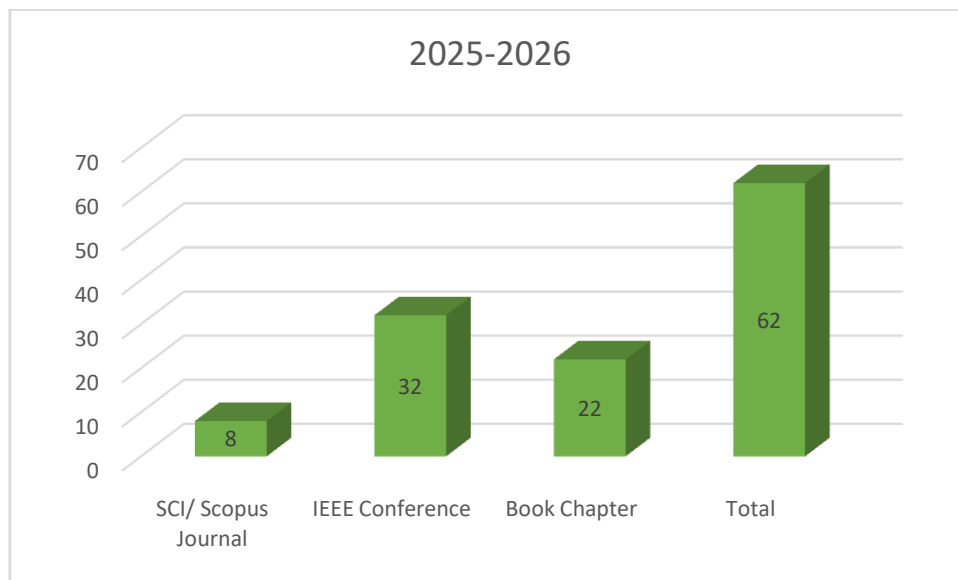


KCG College of Technology
Department of Computer Science and Engineering
Faculty Publication for the Year 2025-2026

S.No	Source	Count
1	SCI/ Scopus Journal	8
2	IEEE Conference	32
Stud Conf Aug 2025-9, May 2026-5=14		
3	Book Chapter	23
	Total	62



Book Chapter

S.No	Title and Citation	Publisher
		Date of Publication
23	M. Robinson Joel , "AI-driven Public Transportation: Enhancing Efficiency, Sustainability, and User Experience," in <i>Artificial Intelligence (AI) for Smart and Sustainable Urban Transportation</i> , IEEE, 2026, pp.301-342, doi: 10.1002/9781394351091.ch15.	Wiley May 2026
22	Robinson Joel, M. (2026). From Reactive Control to Predictive Intelligence in Modern Project Management: AI-Enabled Risk, Performance, and Decision Support. In S. Al Daraai, A. Madbouly, S. Aro-Gordon, & P. Shrivastava (Eds.), <i>AI-Driven Project Planning, Decision Intelligence, and Risk Management</i> (pp. 151-174). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-2600-1756-2.ch005	IGI Global May 2026
21	DanielRaj, K., Robinson Joel, M. , Anu Priya, A., Jasperline, T., & Charumathi, L. (2026). Case Study: Biometric Security and AI in Autonomous Vehicles. In T. Mzili, Z. Oughannou, N. Bacanin, M. Hanine, & W. Aribowo (Eds.), <i>AI-Driven Cybersecurity for Autonomous Systems</i> (pp. 153-194). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-2922-2.ch006	IGI Global April 2026
20	Balasubramani, M., Anitha, V., Sriram, K. P., Balamurugan, R., Tharun, J., & Robinson, J. M. (2026). Reconfiguring Urban Movement: Evaluating Existing Routing Systems and Traffic Signals. In M. Islam (Ed.), <i>Transforming Cities by Controlling Pollution and Traffic Congestion</i> (pp. 229-264). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-4422-5.ch008	IGI Global April 2026
19	DanielRaj, K., Robinson Joel, M. , Navaroj, G. I., Palraj, K., & Soundar, C. (2026). Multimodal Temporal AI Reasoning for Climate-Driven Landform Change Detection via Remote Sensing. In M. Çelik (Ed.), <i>AI and Remote Sensing for Earth Sciences</i> (pp. 35-66). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-8745-1.ch002	IGI Global April 2026
18	Rajakumar, M. P., Vinston Raja, R., Balasubramani, M., Nagalakshmi, B., Tharun, J., & Robinson Joel, M. (2026). Reframing Value Through Narrative Strategy for Economic Transformation in Entrepreneurial Ecosystems: Narrative-Driven Economic Change. In C. Volos & A. Masouras (Eds.), <i>Co-Constructing Economic Transformation Through Enterprise, Narrative, and Systemic Design</i> (pp. 49-100). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-4566-6.ch002	IGI Global Feb 2026
17	Cloudin, S., Sathiya Priya, R., Ashwin Prabhu, G., Ruba, M., Joel, R., & Vanitha, R. (2026). AI-Enhanced Predictive Analytics and Reliability Management for Wind Turbine Maintenance. In J. Justo, G. Demidova, F. Mwasilu, D. Lukichev, & R. Bansal (Eds.),	IGI Global Feb 2026

	AI-Powered Analysis, Modeling, and Monitoring of Wind Energy Systems (pp. 191-218). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-4159-0.ch005	
16	Aravind, G. "Extracting Structure From Complexity: Algorithms for Reliable Data-Driven Decision-Making." <i>Advancements in Numerical Analysis and Quantitative Decision-Making</i> , edited by Serkan Derici, IGI Global Scientific Publishing, 2026, pp. 21-60. https://doi.org/10.4018/979-8-3373-6746-0.ch002	IGI Global January 2026
15	Robinson Joel, M. , Sahaya Jude Dhas, S. and Cloudin, S.. "Chapter 12 Generative adversarial networks' transformative applications: From the visual arts to machine intelligence". <i>Quantum Generative Adversarial Networks: GANs, Semi-Supervised GANs, Variational Autoencoders</i> , edited by Pethuru Raj, A. Jayanthiladevi, Ambika Paranthaman, Amir Masoud Rahmani and Somenath Chakraborty, De Gruyter, 2026, pp. 243-264. https://doi.org/10.1515/9783111354934-012	De Gruyter Brill Scopus Book Chapter January 2026
14	DanielRaj, K., Robinson Joel, M. , Sumathi, S., Ponseka, G., Ananthakumari, A., & Grace Priyanka, J. (2026). Frameworks and Standards for Educational Gamification and Virtual Reality. In F. Salendab (Ed.), <i>Digital Policy and Regulation in Educational Governance</i> (pp. 171-206). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-2853-9.ch007	IGI Global Scopus Indexed November 2025
13	M. R. Joel, V. Ebenezer, K. M. Sagayam, E. B. Edwin, M. R. Thanka, and K. A. Jeyaraj, "Predictive analytics assist educational institutions in finding the best candidates for teaching positions," in pp. 154–172, 2025, doi: 10.2174/9798898811266125050013	Bentham Science Publishers October 2025.
12	K., D. R., M., R. J., K., B. S., Jenefas, L., Ponseka, G., Ananthakumari, A., & Sumathi, S. (2026). The Role of Speech Processing in the Metaverse: Bridging Human Communication and Virtual Worlds. In E. Hassan, A. Saber, D. Gupta, & T. Emara (Eds.), <i>Critical Ethical and Societal Implications of the Metaverse</i> (pp. 43-74). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-3043-3.ch003	IGI Global Scopus Indexed Oct 2025
11	Robinson Joel, M. Published a Book Chapter Titled. "Integrating Emerging Technologies for Organizational Agility: An Interdisciplinary Approach to Digital Transformation". In D. Roache (Ed.), <i>High Performance Leadership for Organizational Excellence: Innovation, Technology, and Resilience</i> (pp. 63-92). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-6207-6.ch003	IGI Global Scopus Indexed September 2025
10	Joel M, R. (2026). Bridging Text and Video Generation: A Survey. In G. Revathy, A. Natarajan, & N. Kshetri (Eds.), <i>Fusion of Multimodal Generative AI and Blockchain Technology in Digital Media</i> (pp. 147-180). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-1504-1.ch007	IGI Global Scopus Indexed September 2025
9	Robinson Joel, M., (2026). Optimizing Neural Networks With Ant Colony Intelligence: A Bio-Inspired Approach to Deep Learning Architecture and Hyperparameter Tuning. In P. Balaji, K. Martin Sagayam, A. Sharma, & K. Cengiz (Eds.), <i>Metaheuristic Algorithms and Optimizing Neural Networks for Biomedical</i>	IGI Global Scopus Indexed August 2025

	Image Processing (pp. 127-152). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-0523-3.ch005	
8	Ravikumar, D., Sahaai, M. B., Sharanya, C., Ravichandran, V., Lavanya, S., & Robinson Joel, M. (2026). Revolutionising Training and Vocational Education With Ongoing AI Innovation. In M. van Wyk (Ed.), <i>AI Smart-Enabled Architecture and Infrastructure for Higher Education</i> (pp. 101-128). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3693-8915-7.ch005	IGI Global Scopus Indexed July 2025
7	Balasubramani, M., Jose, P., Rajakumar, M. P., Devi, S., Navaneetha, K. M., & Robinson, J. M. (2026). Methods for Promoting Students' Active Engagement in Digital Environments. In A. Duarte, J. Andrade, & P. Dias (Eds.), <i>Digital Tools and Platforms for Effective and Personalized Learning</i> (pp. 375-402). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-6013-3.ch014	IGI Global Scopus Indexed July 2025
6	Vinston Raja, R., Jayashankari, J., Sheela, S., Jancy Sickory Daisy, S., Gokilam, G. G., & Robinson Joel, M. (2026). Metrics and Techniques for Evaluating Machine Learning Models and Optimization Algorithms. In A. Muniasamy (Ed.), <i>AI Model Design and Data Management for Disease Prediction</i> (pp. 193-222). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-5137-7.ch007	IGI Global Scopus Indexed July 2025
5	Joel, M. Robinson, V. Ebenezer, S. Stewart Kirubakaran, E. Bijolin Edwin, and Roshni Thanka. "Optimizing customer value through hybrid supply chain strategies: A comprehensive exploration of lean, agile approaches." In <i>Quantum Computing and Artificial Intelligence in Logistics and Supply Chain Management</i> , pp. 60-87. Chapman and Hall/CRC.	CRC Publication Scopus Indexed 25 July 2025
4	Athinarayanan, S., Dhanakodi, K., Kavitha, R., Robinson Joel, M., Athinarayanan, S., Rajamanickam, A., Sanjaygandhi, A., & Muthukumar, S. (2026). Cervical Cancer Exposomics and the Impact of Environmental and Lifestyle Factors on Carcinogenesis. In R. Raghavan (Ed.), <i>Environmental Factors in Carcinogenesis: Exposome-Driven Insights Into Cancer Risk and Prevention</i> (pp. 109-138). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-5796-6.ch002	IGI Global Scopus Indexed July 2025
3	Robinson Joel, M. (2026). Ensuring Fairness in AI-Driven University Assessments: Addressing Bias in Online Course Evaluations. In A. Duarte, J. Andrade, & P. Dias (Eds.), <i>AI as Help and Hindrance in Education</i> (pp. 77-108). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-6018-8.ch004	IGI Global Scopus Indexed July 2025
2	Aravind, G. "Brain-Computer Interfaces: Revolutionizing Healthcare, Neuroprosthetics, and Cognitive Enhancement." <i>Neural Network Technologies and Brain-Computer Interfaces: Innovations and Applications</i> , edited by Mohammed Saleh Al Ansari and Kapil Joshi, IGI Global Scientific Publishing, 2025, pp. 387-418. https://doi.org/10.4018/979-8-3693-9445-8.ch017	IGI Global Scopus Indexed June 2025
1	Balasubramani, M., Rajakumar, M. P., Suganthi, R., Navaneetha Krishnan, M., Raghavi, K., & Robinson Joel, M. (2026). Using AI	IGI Global Scopus Indexed

	to Improve Crop Tracking, Soil Investigation, and Nutrient Management in Precision Agriculture. In P. Whig & A. Elngar (Eds.), <i>Precision and Intelligence in Agriculture: Advanced Technologies for Sustainable Farming</i> (pp. 247-272). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-5283-1.ch009	June 2025
--	--	-------------------------

KCG College of Technology
Department of Computer Science and Engineering
Faculty Publication for the Year 2025-2026
IEEE Conference Paper

S.No	Title and Citation	Publisher
33	Ishwarya S., Pasala Sathvika, Sakthivel S., and Raghavi K. , "AI-Powered Assistive System for Visually Impaired People," <i>2026 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS)</i> , Chickaballapura, India, 2026, pp. 1–6, doi:10.1109/ICKECS70176.2026.11527560.	May 2026 IEEE Conference
32	M. P. Rajakumar, M. Balasubramani, K. Fouzia Sulthana, P. Shanthakumar, K. Danielraj and M. Robinson Joel, "Facial Analysis Based Ai and Deep Learning Assisted Driver Sleep Detection Technique," <i>2026 13th International Conference on Computing for Sustainable Global Development (INDIACom)</i> , New Delhi, India, 2026, pp. 1-6, doi: 10.23919/INDIACom70271.2026.11526513.	May 2026 IEEE Conference
31	A. Mittal, Sneha, N. Lakshmi, A. A. Spiritus Kingsly, J. Mahil and A. Kumar, "MobileNetV4-Conv-M for Mushroom Safety: Leakage-Free Augmentation and High-Accuracy Edible-vs-Poisonous Classification," <i>2025 International Conference on Decision Aid Sciences and Applications (DASA)</i> , Manama, Bahrain, 2025, pp. 2580-2585, doi: 10.1109/DASA68193.2025.11499112.	May 2026 IEEE Conference
30	G. Lokesh, S. Kaliappan, N.Lakshmi and Divyajot, "Deep Learning–Driven Histopathological Analysis of Lung Cancer Using MobileNetV4-Large Architecture for Enhanced Diagnostic Accuracy," <i>2025 International Conference on Decision Aid Sciences and Applications (DASA)</i> , Manama, Bahrain, 2025, pp. 2562-2567, doi: 10.1109/DASA68193.2025.11498859.	May 2026 IEEE Conference
29	V. Kumar, N.Lakshmi, V. H. H. N. Sai, T. Gera, R. Priyadharshini and D. Kulshrestha, "MobileNetV4-Based Garbage Image Classification for Sustainable Waste Management," <i>2025 International Conference on Decision Aid Sciences and Applications (DASA)</i> , Manama, Bahrain, 2025, pp. 998-1003, doi: 10.1109/DASA68193.2025.11498720.	May 2026 IEEE Conference
28	J. S. Bajaj, N.Lakshmi , A. Chauhan, Sonali, R. Jain and S. Tripathi, "ResNet101-Based Deep Learning Model for Kidney Disease Classification: Normal vs. Stone," <i>2025 International Conference on Decision Aid Sciences and Applications (DASA)</i> , Manama, Bahrain, 2025, pp. 1-6, doi: 10.1109/DASA68193.2025.11498765.	May 2026 IEEE Conference
27	S. Varshini, V. Sivaranjini, N. Snowfaah and S. Saxena , "Trace AI: Explainable Multi-Model Framework for Cross-Lingual and AI-aware Plagiarism Detection," <i>2026 International Conference on Data Science, Agents and Artificial Intelligence (ICDSAAI)</i> ,	May 2026 IEEE Conference

	Chennai, India, 2026, pp. 1-5, doi: 10.1109/ICDSAAI69492.2026.11505143.	
26	I. Kothandaraman, R. Arunadevi, M. Balasubramani, G. Nandhini, R. Suganthi and M. Robinson Joel, "A Hybrid Framework to Fuse Sensor and Video Data for Human Activity Recognition," <i>2026 International Conference on Data Science, Agents and Artificial Intelligence (ICDSAAI)</i> , Chennai, India, 2026, pp. 1-5, doi: 10.1109/ICDSAAI69492.2026.11505062.	May 2026 IEEE Conference
25	A. Evelyn Ramola, R. Nithiyasri, K. Bhavana, S. Dharani and R. Vanitha , "EpigraphAI: A Deep Learning Framework for Ancient Tamil Stone Character Recognition," <i>2026 International Conference on Data Science, Agents and Artificial Intelligence (ICDSAAI)</i> , Chennai, India, 2026, pp. 1-6, doi: 10.1109/ICDSAAI69492.2026.11505170.	May 2026 IEEE Conference
24	V. Janani, P. Bala Raghu, S. Revathy , G. A. A. Jairus, J. J. D. Raj and M. Robinson Joel, "Oxygen Therapy Real-Time Monitoring and Control System," <i>2026 International Conference on Data Science, Agents and Artificial Intelligence (ICDSAAI)</i> , Chennai, India, 2026, pp. 1-6, doi: 10.1109/ICDSAAI69492.2026.11505116.	May 2026 IEEE Conference
23	Dharshan S., Dhanush S., Dhanush Shankar, Dinesh Kumar G., and B. Uma Devi , "Config-Driven Promptable Semantic Segmentation for Satellite Land Cover Mapping with PyTorch," in <i>Proceedings of the 2026 IEEE International Conference on AI Engineering and Innovations (AIEI)</i> , NIT Jamshedpur, India, 2026, pp. 1–6, doi: 10.1109/AIEI69164.2026.11496774 .	May 2026 IEEE Conference
22	S. Baghavathi Priya, & V. Saranya. (2026). <i>Effective fire detection using deep learning based hybrid model</i> . In AIP Conference Proceedings (Vol. 3344, Issue 1, Article 020018). AIP Publishing. https://doi.org/10.1063/5.0319935	AIP Conference April 2026
21	R. M. P, M. Balasubramani, R. Suganthi, K. Abinaya, I. Kothandaraman and M. R. Joel, "Accurate Classification of Dry Bean Varieties Using Machine Learning Techniques for Enhanced Agricultural Analysis," <i>2026 Sixth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT)</i> , Bhilai, India, 2026, pp. 1-6, doi: 10.1109/ICAECT68478.2026.11426106.	IEEE Conference 13 March 2026
20	J. Mathai, J. A, E. V and M. Robinson. Joel , "Advancements in Deep Learning for Skin Cancer Detection: A Comprehensive Survey," <i>2025 1st International Conference on Smart and Intelligent Systems (SISCON)</i> , Thiruvananthapuram, India, 2025, pp. 1-8, doi: 10.1109/SISCON66686.2025.11409050.	IEEE Conference 02 March 2026
19	N. L, S. Kaliappan, T. R. Velankanni, Dr. Lakshmi and R. M, "Hybrid DQN-GA Framework with Large Language Models for Multi-Objective Optimization in 3D Printing," <i>2025 IEEE 5th International Conference on ICT in Business Industry & Government (ICTBIG)</i> , Indore, Madhya Pradesh, India, India, 2025, pp. 1-6, doi: 10.1109/ICTBIG68706.2025.11323641.	IEEE Conference Feb 2026
18	N. L, S. Kaliappan, T. R. Velankanni, Dr. Lakshmi and R. M, "LoRA Enhanced Large Language Models for Fault Diagnosis in Smart	IEEE Conference Feb 2026

	Factories," 2025 IEEE 5th International Conference on ICT in Business Industry & Government (ICTBIG), Indore, Madhya Pradesh, India, India, 2025, pp. 1-6, doi: 10.1109/ICTBIG68706.2025.11323773.	
17	S. K, S. S, I. R. S, Dr.S.Jothi and R. C, "Adaptive AES-Encrypted Image Steganography with Key-Driven Dynamic Pixel Embedding," 2025 6th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS), Bengaluru, India, 2025, pp. 1280-1285, doi: 10.1109/ICICNIS66685.2025.11315805.	IEEE Conference 01 January 2026
16	V. R. R, M.Balasubramani, R. M. P, M. S. M. Raj, Devi. R and M. R. Joel, "YOLOv8-Powered Helmet Detection for Intelligent Roadside Safety Monitoring," 2025 International Conference on Sustainable Communication Networks and Application (ICSCN), Theni, India, 2025, pp. 93-99, doi: 10.1109/ICSCN67106.2025.11308476.	IEEE Xplore December 2025
15	Ajith Narayan V., N. G. Navarose, A. Kaviya, S. A and S. Jothi , "AI-Driven Patient Monitoring and Mental Health Analytics Platform," 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2025, pp. 1205-1210, doi: 10.1109/ICCPCT65132.2025.11176613.	IEEE Xplore October 2025
14	Arshiya Mobeen, M., Safia Naveed, S. (2026). Quantum Generative Adversarial Networks (QGAN): A Comparative Analysis with Classical GANs for Synthetic Data Generation and Cybersecurity. In: Bhattacharya, A., Dutta, S., Dutta, P., Rocha, A. (eds) Data Mining and Information Security. ICDMIS 2024. Lecture Notes in Networks and Systems, vol 1387. Springer, Singapore. https://doi.org/10.1007/978-981-96-6060-5_38	Springer October 2025
13	N. Lakshmi , K. K. Sundaram, T. Amithesh, S. Kiruthtck and A. Jayakumar, "AI-Driven Synthetic Data Generation Platform for Voice, Text, and Image Augmentation," 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2025, pp. 1163-1168, doi: 10.1109/ICCPCT65132.2025.11176649.	IEEE Xplore October 2025
12	G. Keerthana , R. Abinaya and K. Fareedha, "Medigreen: Ai Based Medicinal Plant Identification Using Deep Learning," 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2025, pp. 1022-1028, doi: 10.1109/ICCPCT65132.2025.11176686.	IEEE Xplore October 2025
11	G. Jayaganesh, L. G. Kalpana Devi, A. Mathi and K. E. Rajakumari , "Brain Hemorrhage Detection Using Deep Learning," 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2025, pp. 1341-1346, doi: 10.1109/ICCPCT65132.2025.11176486	IEEE Xplore October 2025
10	G. Devadharshini, S. Aadhissh and R. Vanitha , "AI-Driven Detection of Malicious Network Intrusions Using Decision Tree Algorithm," 2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2025, pp. 1029-1033, doi: 10.1109/ICCPCT65132.2025.11176661	IEEE Xplore October 2025

9	Jessica R., Ajay M., Gowrilakshmi D., Safia Naveed S. , M. N. Amirah Aanjum, "Efficient Deep Learning Framework for Leaf Disease Classification in Agriculture," <i>2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT)</i> , Kollam, India, 2025, pp. 513-517, doi: 10.1109/ICCPCT65132.2025.11176478	IEEE Xplore October 2025
8	N. Dev, S. Navneedh Krishna, P. Sheik Mohamed, M. Prabhu, S. Cloudin and R. Akshay, "Fraudulent Transaction Detection Using Machine Learning," <i>2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT)</i> , Kollam, India, 2025, pp. 697-706, doi: 10.1109/ICCPCT65132.2025.11176676.	IEEE Xplore October 2025
7	K. Sumithra Devi and M. Santhosh, "AI-Driven Gardening Assistant: Intelligent Plant Care and Disease Detection Using AI," <i>2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT)</i> , Kollam, India, 2025, pp. 1158-1162, doi: 10.1109/ICCPCT65132.2025.11176616.	IEEE Xplore October 2025
6	S. Divya Bharathi, C. H. Kavya and S. Priya , "AI Enhanced Handloom Platform For Direct Weaver to Customer Sales," <i>2025 8th International Conference on Circuit, Power & Computing Technologies (ICCPCT)</i> , Kollam, India, 2025, pp. 1034-1038, doi: 10.1109/ICCPCT65132.2025.11176741.	IEEE Xplore October 2025
5	V. R. R, R. M. P, M. Balasubramani, M. S. M. Raj, I. Kothandaraman and M. R. Joel , "Using the Different Maps to Design and Implement a Chaotic Cryptographic Scheme for Image Encryption," <i>2025 6th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)</i> , Tirunelveli, India, 2025, pp. 407-412, doi: 10.1109/ICDICI66477.2025.11135012.	IEEE Xplore September 2025
4	V. R. R, J. P, R. M P, R. Balamurugan, M. S. M. Raj and M. R. Joel , "Creating a Secure Data Sharing Network for Disease Identification Using CT Images and RHC-Based Encryption Scheme," <i>2025 International Conference on Intelligent and Cloud Computing (ICoICC)</i> , Bhubaneswar, India, 2025, pp. 1-5, doi: 10.1109/ICoICC64033.2025.11052063.	IEEE Xplore July 2025
3	C. S, N. M, B. S, R. K, A. R. Ekkati and V. R. Jallepalli, "Cybersecurity in Healthcare: Safeguarding Patient Data in Telemedicine Platforms," <i>2025 International Conference on Frontier Technologies and Solutions (ICFTS)</i> , Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICFTS62006.2025.11031951.	IEEE Xplore June 2025
2	Sangeetha. Krishnan and K. Valarmathi, "Enhanced Detection of Diabetic Retinopathy Stages Using RetinaNet-DR: A Deep Learning-Based Approach," <i>2025 International Conference on Computing and Communication Technologies (ICCCT)</i> , Chennai, India, 2025, pp. 1-6, doi: 10.1109/ICCCT63501.2025.11020231.	IEEE Xplore June 2025
1	S. P. S and Saranya. V. , "Towards Safer Environments: CNN-LSTM Framework for Accurate Fire Detection," <i>2024 International Conference on Smart Technologies for Sustainable Development Goals (ICSTSDG)</i> , Chennai - 600077, Tamil Nadu, India, 2024, pp. 1-6, doi: 10.1109/ICSTSDG61998.2024.11026682.	IEEE Xplore June 2025

Faculty Publication for the Year 2025-2026
Department of Computer Science and Engineering
SCI and Scopus Journal

S.No	Title and Citation	Publisher
	Dr.M.Robinson Joel	Date
8	M. Robinson Joel, M. Navaneethakrishnan, R. Selvi, E. Munuswamy, A Potent Framework for Privacy-Preserving Recommendations using Federated Learning, Knowledge-Based Systems, 2026, 116123, ISSN0950-7051, https://doi.org/10.1016/j.knosys.2026.116123 .	Knowledge-Based Systems SCI Q1 May 2026
7	Anitha, V., Laxmi, R.B., Abinaya, K. <i>et al.</i> PyKFHNet: Pyramid Deep Kronecker Forward Harmonic Network for Breast Cancer Detection Using Histopathological Images. <i>Biomedical Materials & Devices</i> (2026). https://doi.org/10.1007/s44174-026-00646-9	<i>Biomedical Materials & Devices</i> Scopus Journal 27 February 2026
6	Vanitha, R., Ranjith Kumar, A., Vinoth, R., & Sujatha, K. (2025). Deep residual network and deep belief network based bigdata classification in mapreduce framework using CT images. <i>Statistics</i> , 1–31. https://doi.org/10.1080/02331888.2025.2593400	A Journal of Theoretical and Applied Statistics SCI Dec 2025
5	Shajeena, J., Govindasamy, B., Gnanasundaram, M., & Robinson Joel, M. (2025). Mobile-Le Harmonic Fusion Network for Object Recognition and SiamMoT Based Multi-Object Tracking Using Video Surveillance. <i>Cybernetics and Systems</i> , 1–31. https://doi.org/10.1080/01969722.2025.2590761	Cybernetics and Systems, SCI 12 Dec 2025
4	M. Arshiya Mobeen and S. Safia Naveed, “Securing the future: The enhanced BB84 protocol for robust quantum key distribution,” <i>Journal of Theoretical and Applied Information Technology</i> , vol. 103, no. 21, Nov. 2025.	<i>Journal of Theoretical and Applied Information Technology</i> November 2025
3	Vanitha, R.Ramanathan, Vinoth Rajesh, K.Parthasarathy, Deepika,ZFDMN: a hybrid deep learning approach for lung cancer detection using MapReduce framework, 2025, International Journal of Data Mining and Bioinformatics, P 427-450, ,V 29,N 4,DOI 10.1504/IJDMB.2025.148961	International Journal of Data Mining and Bioinformatics SCI October 6, 2025
2	Shelendra Pal, S. Palaniyandi, Amal Al-Abri, Robinson Joel, G. Bhuvaneswari, G. Manikandan, A nonlinear autoregressive recurrent forward harmonic network for rainfall forecasting,Journal of Hydrology,2025, 134208, ISSN 0022-	Journal of Hydrology, SCI 16 September/ Dec 2025.

	1694, https://doi.org/10.1016/j.jhydrol.2025.134208	
1	EGAN-F-MIRNet: Enlighten Generative Adversarial Network-Fusion-MIRNet for Image Enhancement of MRI Brain Image. Biomedical Materials & Devices (2025). https://doi.org/10.1007/s44174-025-00492-1	Biomedical Materials & Devices , Scopus Journal July /29 August 2025
	Saumiya, S., Christal Jebi, R., Anushlin Leena, M.B. <i>et al.</i> ISAM-QV7Net: an improved segment anything model-2 with the quantum-inspired superposition memory and vision-efficientNetB7 for the advanced liver tumor prognosis. <i>Eur. Phys. J. Plus</i> 140 , 679 (2025). https://doi.org/10.1140/epjp/s13360-025-06587-4	Scopus Journal July 2025