



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2024-2025

FACULTY PUBLICATIONS - International / National Conferences

SL.NO	DETAILS
International Conference:	
1	Pavithra Mani, Meenatchi.K, Gowrishankar.C , Nallakumar.R, Kanikha.M, Kavin.B and Kanishkar Rohith.G, "A Model Employing Interpretable Deep Learning Techniques to Forecast Dental Caries Through the Analysis of Panoramic Radiograph Images," IEEE proceedings of 15 th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024, pp.1-6, DOI: 10.1109/ICCCNT61001.2024.10724200
2	U. Pasupathi, A. Gopi Saminathan, A. Manikandan, M. Subhashini, C. Gowrishankar and T. S. Poornappriya, "An Efficient Data Collection using Whale Optimization Algorithm (WOA) in Wireless Sensor Network," 2024 Global Conference on Communications and Information Technologies (GCCIT), Bangalore, India, 2024, pp.1-6, DOI: 10.1109/GCCIT63234.2024.10862476 .
3	K. Manju, P. M. Dinesh, K. Deepa, K. Kathan, G. P. Lakshmi and M. Alagarsamy, "Engineering Framework for Smart Poultry Farming Using Internet of Things," 2024 International Conference on Intelligent & Innovative Practices in Engineering & Management (IIPEM), Singapore, Singapore, 2024, pp. 1-7, DOI: 10.1109/IIPEM62726.2024.10925722 .
4	Pandiaraja.P, Thangavel.S, Sengolrajan Thanasingh and Karthik.K, ‘A Gesture Translation for Hearing-Impaired Individuals in Emergency Circumstances’, Springer 9 th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2024) at Jaipur, India (Virtual Mode) on 19 th -21 th December,2024.
5	Pandiaraja.P, Karthick Kathirvel, Karthik.K and Murali.S, ‘Virtual Attendance Management by Facial Recognition using OpenCV’, Springer 9 th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2024) at Jaipur, India (Virtual Mode) on 19 th -21 th December, 2024.



**KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

6	S. D, J. B. Sajin, M. Manivel, T.Jayakumar, S.Ragul and S. Ponnusamy, "Impact of Electric Vehicle Integration on Power Grids: A Comprehensive Review," <i>2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)</i> , Bhopal, India, 2025, pp. 1-6, DOI: 10.1109/SCEECS64059.2025.10941398 .
7	C. Selvarathi, M. T, G. Madhu Mitha, S. S, S. Thanasingh and P. Pandiaraja, "Cardiac Vascular Disease Prediction Using Stacked Ensemble Algorithm for Type-2 Diabetes Mellitus," <i>2025 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL)</i> , Bhimdatta, Nepal, 2025,DOI: 10.1109/ICSADL65848.2025.10933070 , pp. 1159-1164.
8	G. S. Subramaniam, S. Kumar Muthuvel, M. Bhoopathi, P. Sridhar, P. M. Dinesh and P. Narayan, "Design and Performance Evaluation of Triangle Aero Array Antennas for Next-Generation 5G Wireless Networks," <i>2025 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL)</i> , Bhimdatta, Nepal, 2025, pp. 361-368, DOI: 10.1109/ICSADL65848.2025.10933239 .
9	R.Gopalakrishnan , Aneesh,S, Logeshkumar S and Chandra Mouli K,' Modular Industrial Labeling and Stamping System with Conveyor Integration using PLC Controller', Second International Conference on Futuristic Trends in science, Engineering and Management (ICFTSEM-II)-2025 at St.Xavier's College of Management & Technology (SXCMT), Patna & Global Conference Hub, Coimbatore on 27 th & 28 th February, 2025, pp.164, ISBN.No: 978-81-981558-2-5,DOI: https://doi.org/10.47392/IRJAEH.2025.0106 .
10	Mohanraj K. and. Mahilmithranaz R.S, 'Development of Special Purpose Machine using PLC', Second International Conference on Futuristic Trends in science, Engineering and Management (ICFTSEM-II)-2025 at St.Xavier's College of Management & Technology (SXCMT), Patna & Global Conference Hub, Coimbatore ISBN.No:978-81-981558-2-5, DOI: https://doi.org/10.47392/IRJAEH.2025.0097 on 27 th & 28 th February, 2025, pp.206.
11	R.Gopalakrishnan , T.Shomesh, M.Kamalesh, V.Heama Chandran, 'Design and Performance Analysis of a Hybrid Inverter for Solar and Wind Energy System', Second International Conference on Futuristic Trends in science, Engineering and Management (ICFTSEM-II)-2025 at St.Xavier's College of Management & Technology (SXCMT), Patna & Global Conference Hub, Coimbatore on 27 th & 28 th February, 2025, pp.180, ISBN.No: 978-81-981558-2-5, DOI: https://doi.org/10.47392/IRJAEH.2025.0078 .
12	P.Sridhar , A.Manoj, J.Valan Joshi and S.Meiyarasu, 'AI-Driven Autonomous Hygiene Solution for Public Toilet', Second International Conference on Futuristic Trends in science, Engineering and Management (ICFTSEM-II)-2025 at St.Xavier's College of Management & Technology (SXCMT), Patna & Global Conference Hub, Coimbatore, ISBN. No: 978-81-981558-2-5,DOI: https://doi.org/10.47392/RJAEH.2025.0094 on 27 th & 28 th February, 2025, pp.213.



**KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

13	R.Deebika , N.Mahalakshmi N, R.Subashini and R.Dharshana, ‘Development of an Electro-Magnetic Induction Sealing system for Packing Application using PLC’, 6 th International Conference on Computational Intelligence and Industry 5.0 (ICCII 2025), at Velammal Institute of Technology, Chennai on 21 st & 22 nd March, 2025,ISBN.No: 978-81-967851-2-3.
14	S.Revathi , N.Akshaya and S.Gayathiri, ‘Thermal Controller-based Electric Autoclave System for Medical Equipment Sterilization’, 6 th International Conference on Computational Intelligence and Industry 5.0 (ICCII 2025) at Velammal Institute of Technology, Chennai on 21 st & 22 nd March, 2025, ISBN.No: 978-81-967851-2-3.
15	P.Tamilnesan , B.Praveen, M.Srikanth and S.Sudhakar, ‘Integration of Smart Obstacle Detection and Navigation System for Optimized Automated Cart Performance’, International Conference on Engineering, Science and Management (ICESM) 2025 at Guru Gobind Singh College of Engineering & Research Centre, Nashik, Maharashtra on 11 th & 12 th March 2025,ISBN.No:97-81-981558-4-9.
16	K.Karthik , P.Kishorekumar, S.Hariharan and V.Pradeep, ‘Automated Printing on Small Commodities using Conveyor Belt Technology’, International Conference on Engineering, Science and Management (ICESM) 2025 at Guru Gobind Singh College of Engineering & Research Centre, Nashik, Maharashtra on 11 th & 12 th March 2025.
17	R.Deebika , R.Aarthi, R.Vijayadharshini and M.Sathiya Priya, ‘Design and Implementation of PLC Controlled Digital Liquid Filling Machine with Manual and Automatic Modes’, ANRF Sponsored International Conference on Sustainable Development in Advanced Materials, Manufacturing and Industry 4.0 (INS DAM 2025), at Kalasalingam academy of Research and Education, Krishnankoil on 27 th & 28 th March,2025.
18	Dr.T.Rajamanikandan , S.Kavya and M.Sowmiya, ‘Design and Fabrication of Electrolyte from Plantain’, ANRF Sponsored International Conference on Sustainable Development in Advanced Materials, Manufacturing and Industry 4.0 (INS DAM 2025), at Kalasalingam academy of Research and Education, Krishnankoil on 27 th & 28 th March,2025.
19	J.Karthikeyan , P.Dinesh Murugan, P.Santhosh Kumar and S.Karthik, ‘Design and Development of an Automated Insects Prevention System for Cattle’, ANRF Sponsored International Conference on Sustainable Development in Advanced Materials, Manufacturing and Industry 4.0 (INS DAM 2025) at Kalasalingam academy of Research and Education, Krishnankoil on 27 th & 28 th March,2025.
20	E.Immanuvel Bright, S.A., N.Sridhar, K.S.Kavin, R.Deebika and S.Sengottaian,’Hybrid Power Conversion System using PWM Rectification and Advanced Bidirectional DC-DC Control for Efficient Load Applications’, Proceedings of 14 th IEEE International Conference on Communication Systems and Networks Technologies 2025, ISBN.NO:979-8-3315-3193-5/25, DOI: 10.1109/CSNT64827.2025.10968356 .



**KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

21	Pairaj Karuppasamy, Vigilson Prem Monickaraj, Revathi Subramaniam , Darshankumar J, Mathankumar M, Manjunathan Alagarsamy', Deep Learning Advancing Image Classification-Neural Network Design and Performance Analysis', Third International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA 2025) at Kumaraguru College of Technology, Coimbatore on April, 4-5, 2025.
----	--