



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

ACADEMIC YEAR 2025 – 2026

FACULTY PUBLICATIONS - International / National Journals

S.NO	DETAILS
1.	Dr. M. Senthilkumar, “Energy efficient optimization of grid event authentication using blockchain and transformer-based anomaly detection”, Journal of Sustainable Computing: Informatics and Systems, https://doi.org/10.1016/j.suscom.2026.101341 .
2.	S.Vimala, Aiswarya N, Delkowschiasri N M, Kiruthika S, “NeuroFusionNet: A Deep Multi-Modal CNN Architecture for Integrated Neurological Disorder Detection Using EEG and Neuroimaging”, IJRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2703-2719, March 2026.
3.	M.Mohanraj, Dharshini R, Manisha K, Sudarshana R, “Global Dev Insight: An AI-Driven Socioeconomic Analytics Platform for Predictive Poverty and Education Assessment”, IJRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2751-2762, March 2026
4.	R.Subashini, Dhivyashree S, Lakchaya V, Mythili S, “Silent Sentinels: A Multimodel AI Framework for Gaze-Based Communication and Assistance in Locked-In Syndrom”, IJRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2721-2733, March 2026.
5.	Dr.G.Sumathi, Anupriya A, Sasirekha S, Swathi S, “The Academic Architect: A Multi-Agent AI Framework for Personalized Learning Execution and Longitudinal Student Development”, IJRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2735-2750, March 2026.
6.	A.Sangeetha, Dharshini S, Harshaprasha N S, Vetri Selvi S, “ Web Automation on Autopilot: Building and AI Browser Agent”, IJRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2679-2688, March 2026
7.	N.Gokul Krishnan, M.Gokulnath, S.Manoj, P.G.Gayathri, “AI-Powered eBOM to mBOM Converter Optimized Manufacturing”, IJSRET, 2395-566X(O), Vol.12, Iss.No.1, pp.1-8, Jan-Feb 2026

8.	Prakash T, Sakthivelan K, Dharun M, M.Vanitha, “An Intelligent Tamil Learning Platform for Children”, IJSRET, 2395-566X(O), Vol.12, Iss.No.2, pp.1-5, Mar-Apr 2026
9.	M.Vanitha, Dr.M.Senthilkumar, Arjun C, Gokul S, Surya Prakash S, “A Context-Aware Clinical Decision Support System for Standardized Diagnosis of Temporomandibular Disorders”, IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp. 1744-1756, March 2026.
10.	M.Mohanraj, Dr.M.Senthilkumar, Manjunath R, Muralitharan P, Vignesh R, “The Resume-Aware AI Interview Agent: A Multi-Modal Framework for Personalized Speech-Based Interview Preparation”, IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp. 1719-1731, March 2026.
11.	E. Madhumita, Dr.M.Senthilkumar, Bala Ganesh S, Govindaran C, “Careerpulse AI: An Intelligent Job Application Tracking with Machine Learning-Driven Candidate Profiling and Predictive Analytics”, IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp. 1757-1769, March 2026
12.	S.Vimala, Dr.M.Senthilkumar, Abishek Winston I, Santhosh Kumar T, Sivakumar P, “AI-Based Voting System Using Face Recognition”, IJSRET, 2395-566X(O) Vol.12, Iss.No.2 ,pp. 1-6, Mar-Apr 2026
13.	A.Sangeetha, Harish V, Praveen T, Sabarishdeva R S, “Design and Development of a Smart Education System Using AI for Personalized Learning and Mock Interviews”, IJMRSET, 2582-7219, Vol.9, Iss.No. 3, pp. 3041-3052, March 2026
14.	Dr.M.Senthilkumar, S.Sathishkumar, Madhan Metha S, Kavin S, Arun kumar B, “Intelligent Chat Parser Based Smart Ordering System”, IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp. 1744-1756, March 2026
15.	Dr.M.Senthilkumar, Logeshwaran S, Rakesh V, Pranesh K R, “Design and Development of Brain Tumor Pathology Classification Using EfficientNet-V2S with Explainable AI”, IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp. 1700-1708, March 2026
16.	Dr.M.Senthilkumar, Sajitha N, Sandhiya R, Vinothini N, “The Biometric Fortress: A Multi-Layered Framework for Securing Electronic Health Records Through Advanced Cybersecurity and Authentication Mechanisms”, IJIRSET, 2319-8753(e) 2347-6710(p), Vol.15, Iss.No.3, pp. 2689-2701, March 2026
17.	Mahesh.R, Dr.J.Preetha, Ajay Surya B, Thamizharasan P, “ Distilling Intelligence: Deploying Lightweight, Neural Networks on ESP32 for Edge AI”, IEEE ICVMI, 979-8-3315-9602-6, IEEE X-plore, Oct 2025

18.	R.B.Dhayanandhan, N.Naresh, A.Gowri, "Smart City Public Service Information Portal" IJSRET, 2395-566X(O), Vol.12, Iss.No.1, pp.1-9, Jan-Feb 2026
19.	E.Madhumita, Jai Atchuthan G, Karthikeyan R, Dharnishan M, "Autods: An Autonomous AI System for End-To-End Data Science Automation", IJIRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2763-2774, March 2026
20.	Hariharasudhan N, Harish K, Harish Ragavendat N, P.G.Gayathri, "Legal Documents Summarizer", IJSET, 2348-4098(O), 2395-4752 (P), pp.1-12, 2026
21.	S.Vimala, Deepak S, Roshan Kumar S, Tamil Selvan D, "AI Based Student Health Support System", IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp. 1709-1718, March 2026
22.	R.Subashini, Dr.M.Senthilkumar, Gokul M, Selva S, Sharvesh R, "ML-Insight: A Multi-Agent Collaborative Framework for Autonomous Debugging and Validation of Machine Learning Pipelines", IJIRCCE, 2320-9801(e) 2320-9798(p), Vol.14, Iss.No.3, pp.1732-1743, March 2026
23.	Sathishkumar S, Mohanraj M, Basheer Ahmed M, Somnath T, Manibharathi C, "Virtual Assistant and Object Detection for Blind People", IJIRSET, 2319-8753(e), 2347-6710(p), Vol. 15, Iss.No.3, pp-2735-2750, March 2026
24.	Dr.M.Senthilkumar, S.Vimala, Darshwana R S, Dhayalini S S, "An Integrated Agentic AI Framework for Personalized Academic Assistance in Technical Education", IJSET, 2348-4098(O), 2395-4752(P), Vol.14, Iss.No.2, pp.1-7, 2026
25.	Dr.M.Senthilkumar, A.Sangeetha, Hareini S, Kowsiga, Jayadharshini A, "A Rural Telemedicine Network for Remote Healthcare Delivery Using AI-Assisted Consultation and Digital Prescription Systems", IJSET, 2348-4098(O), 2395-4752(P), Vol.14, Iss.No.2, pp-8-13, 2026
26.	Dr. K. Baskar, "Qos-Aware Load balancing in Cloud Computing based on Chronological Kookaburra optimization Algorithm", International Journal of Network Management, https://doi.org/10.1002/nem.70020 Digital Object Identifier (DOI)