



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**CONFERENCE PUBLICATIONS**

**Academic Year : 2025- 2026**

S.No	Faculty Name	Title of the Paper	Conference Details	Organized by	Conference year	National /International
1.	Dr,T.Sripriya	Wi-Fi Signal Strength Analyzer Using Deep Learning for Optimized Network Performance in Smart Environments	ICECONF	IEEE(St Joseph's College of Engineering)	Oct 2025	International
2.	Dr,T.Sripriya	Design and Development of a MEMS-Based Pressure Sensor for Precise Pressure Measurement	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov-25	International
3.	Dr. W. Nancy	Radar-Based Surveillance System Leveraging AI for Real-Time Detection and Autonomous Tracking in Security Applications	ICECONF	IEEE(St Joseph's College of Engineering)	Oct 2025	International
4.	Dr. W. Nancy	Design of a Neuro-Inspired Control Framework to Improve Robotic Adaptation and Self-Preservation during Autonomous Navigation	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov-25	International
3.	Dr,M.Benisha	Soil Moisture-Based Intelligent Irrigation System with IoT and Cloud Computing for Precision	ICECONF	IEEE(St Joseph's College of	Oct 2025	

		Agriculture and Water Conservation		Engineering)		International
4.	Dr,M.Benisha	Intelligent Vehicle-to-Infrastructure (V2I) Communication System for Smart Traffic Management	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 25	International
5	Mr.M.Sudhagar	Smart Transit Network For Better Urban Mobility and Real-Time Traffic	4th International Conference on Advvances in Computing,communication and Applied information (ACCAI 2025)	IEEE Technical Sponsored	Jul-25	International
6	Mr.M.Sudhagar	Sustainable Weather Monitoring And Prediction System Powered By Photovoltaics	International Conference on Information Technologies organized by IETE (INTEND2.0)	St Joseph's College of Engineering	Sep-25	International
7	Mr.M.Sudhagar	Mobile solar Charger Mini FM Transmitter	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 25	International
8	Mrs.M.Indumathi	Thyristor Controlled Series Capacitor based LVRT analysis in Wind Energy conversion Sysem	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 25	International
9	Mrs.M.Nithya	Railway system Electrification using SEC Converter &DC Grid based on Renewable Energy	National Conference on Next-Generation Radiation Safety Protocols: Integrating AI and IoT in Healthcare Facilities	St Joseph's Institute of Technology	Sep-25	International
10	Mrs.M.Nithya	Drop control of system using converters and DC grid based on renewable energy system	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 25	International
11	Mrs.S.Revathy	Block chain-Enabled Incentive Mechanisms for Multi-Institutional Cervical Cancer Risk Prediction in 6G Networks	International Conference on Communication and Electronics Systems (ICCES-2025)	PPG Institute of Technology	Oct-25	International

12	Mrs.S.Revathy	Low-Cost Mini Automated Guided Vehicle (AGV) with AI-Powered Multicolor Line Tracking and Slot Detection for Industrial Automation	ICECONF	IEEE(St Joseph's College of Engineering)	09-10-2025	International
13	Mrs.S.Revathy	Explainable Deep Learning Models in Medical Image Analysis using AI	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International
14	Mrs.S.Revathy	Design of a Neuro-Inspired Control Framework to Improve Robotic Adaptation and Self-Preservation during Autonomous Navigation	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International
15	Mrs.L.Hubert Mary	Low Power and High-Speed Dadda Multiplier Architecture For Optimized Digital Signal Processing Applications	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International
16	Ms.T.Karthika	Development of AI - Enhanced Low Cost smart Soil Testing Device for Marginal Farmers	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International
17	Ms.T.Karthika	Harnessing AI - Driven IoT Innovations for Sustainable Farming and Food Resilience	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International
18.	Ms.M.Bharathi	Clap Based Light Switch System, IR Sensor Object Counter	National Conference on Next Generation Radiation Safety Protocols: Integrating AI and IoT in Healthcare Facilities	St Joseph's Institute of Technology	Oct 2025	International
19.	Ms.M.Bharathi	Optimized User Access for Massive MIMO Low Earth Orbit Satellite Networks	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International

20.	Mr. P.Gobi	High-Frequency MIMO Antenna Design for 6G Wireless Communication with Enhanced Isolation	First International Conference on Innovation in Electronics and Communication Engineering. (ICIEC'25)	Jeppiaar Institute of Technology	Nov 2025	International
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