



10th IEEE International Students' Conference on Electrical, Electronics and Computer Science



SCEECS 2025 MANIT, Bhopal

The list below includes the papers selected for offline presentations at SCEECS 2025, scheduled on 18th and 19th January 2025. The detailed presentation schedule will be announced at MANIT, Bhopal, following the inaugural ceremony on 18th January. Kindly ensure your presence at the venue for further updates.

CSE

S.NO.	PAPER ID	TITLE
1	277	Retinal Disease Detection for Low Resource Devices Through Pruned and Quantized CNNs
2	221	SEP Activated GoogLeNet Architecture for Electronic Device Classification
3	231	Integrated Farm Security System
4	309	Advanced Feature Engineering and Model Improvement for Sarcasm Detection Using Deep Learning Architectures
5	357	Integrating Open-Source LLMs with Retrieval-Augmented Generation for Obstetrics and Gynecology Domain
6	544	Evaluation of tweets for disaster management
7	554	A Federated Transfer Learning Framework with Differential Privacy for Secure Monkeypox Diagnosis
8	555	Enhanced Classification of Cricket Batting Shots Using Advanced Machine Learning and Computer Vision Techniques
9	628	Leveraging Deep Learning Ensembles for Stock Index Forecasting: A Nifty 50 approach
10	644	Compact and Secure Image Encryption for IoT Systems Employing ECC and AES Hybrid Cryptography
11	655	An Attention-Driven Bi-GRU Framework for India VIX Prediction
12	1650	Immersive Urban Narratives: Augmented Reality Data Visualization for Smart City Engagement
13	1171	InterviewEdge: A Smart Interview Assistant



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S.NO.	PAPER ID	TITLE
14	716	Artificial Intelligence Enhanced Mental Care Platform SAARTHI
15	719	AI-Based System for Real-Time Yoga Pose Detection and Correction
16	1049	Optimizing Time Series Denoising with an Improved Singular Spectrum Analysis Approach
17	1070	TechAssist: A RAG-Based Chatbot for Accessing Technical Information from StackOverflow
18	1127	Design and Implementation of Hand Exoskeleton for Rheumatoid Arthritis Rehabilitation
19	263	Enhancing Task Scheduling in Cloud-Fog Environments with Improved Butterfly Swarm Optimization
20	1416	Watch classification using DL models
21	1433	Hybrid Ensemble of MobileNetV2 and EfficientNetB0 for Enhanced Land Use and Land Cover Classification
22	1536	Stress Detection Using SVM and Virtual Assistant
23	1665	Enhancing Accessibility:A Real-Time Mobile Application for Visual Narration and Text Recognition for the Visually Impaired
24	1709	Design and Implementation of an Aadhaar-Based E-Voting System with Facial Recognition for Enhanced Security and Accessibility



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EE

S.NO.	PAPER ID	TITLE
1	1452	Enhanced Power Quality and Efficiency in Electric Vehicle Charging with Interleaved Boost and PSFB Converters
2	1460	Analysis of Voltage and Load profiles of a rural distribution Feeder in Madhya Pradesh
3	1464	Analysis of Capacity Utilization Factor of decentralized solar generators: a case study
4	1598	A Grid-Connected 30 kW 5-Level Bidirectional Multilevel Converter for Electric Vehicle Charging
5	1664	Optimization and Control of Photovoltaic Power Generation System Connected to the Utility Grid
6	1378	A Fuel Cell Powered Soft Switched based Buck Boost Converter
7	1380	DESIGN AND ANALYSIS OF A SOFT-SWITCHED BUCK-BOOST CONVERTER FOR BATTERY CHARGING



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ECE

S.NO.	PAPER ID	TITLE
1	285	Design and Analysis of a Hexagonal Patch Antenna with Star-Shaped Slot for 5G NR N257 Band and IoT Integration
2	373	3- Pole Waveguide Band Pass filter used for Microwave P2P in 5G Application
3	433	Design and Implementation of Single Master Single Slave Serial Peripheral Interface (SPI) on FPGA
4	1718	Wideband SIW antenna for mm-wave band of 5G Communications
5	468	Hardware Accelerators for Deep Learning Applications
6	1201	Filtering Methods, Assessment Criteria, and Prospects for Image Denoising
7	1405	Adaptive Scheduling Using the MQTT Protocol in the IoT Based on Environmental Sensing and Network Load
8	1123	Design of Ground Station Antennas for Tracking of LoRa based Satellites at 433MHz Amateur Frequencies