



Pune Vidyarthi Griha's
College of Engineering, Technology & Management, Pune-09
An Autonomous Institute Affiliated to Savitribai Phule Pune University
ICAETM 2026 – TRACK 1, DAY 1, SESSION I



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Wednesday, 28 October 2026
Mode	Offline
Time	01:30 pm – 4.30 pm
Venue	109: Engg. Main Building
4.30 pm: High Tea break & common photo session	

Track 1: Electric Mobility, Power & Sustainable Energy Systems

Session Coordinator: Dr. M. R. Tarambale

Session Chair: Dr. Paresh Nasikkar

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	90	Falak Mukul	Case Study: Performance Evaluation of Centralised and Dedicated Reactive Power Compensation Of Industry Using ETAP Software
2	93	Shivakumar Badiger	Development and Performance Analysis of Tribid Vehicle by Integrating Petrol, CNG and Electric Power Systems
3	261	Sutar Sarthak	Performance analysis of PEM Fuel cell in view of RC Filter design
4	264	Shivanjali Shinde	FPGA based real time fault detection and protection system for power grid applications
5	268	Aniruddha Rekhe	Design and Implementation of an ABB VFD-Based Control Panel for a 1 HP Three-Phase Induction Motor
6	166	Jawarkar Sujay	HandSpeak: Smart Glove for Transliteration of Sign Language into Text and Speech with Two-Way Communication



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ICAETM 2026 – TRACK 1, DAY 1, SESSION II



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Wednesday, 28 October 2026
Mode	Online
Time	2:30 pm – 4.30 pm
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 1: Electric Mobility, Power & Sustainable Energy Systems

Session Coordinator: Dr. U. S. Thakar

Session Chair: Dr. Dharmendra Kumar Dheer

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	212	Kamble Vaibhav	Design and Development of Solar Powered Low Voltage Battery Charging
2	73	Yadav Chaitrali	Smart IoT and Machine Learning-Based Battery Management System for Electric Vehicle
3	77	Salunke Aditya	Electrical Safety Audit of a Higher Educational Institute
4	120	Chinmay Yeole	Advances and Challenges of Sodium-Ion Batteries for Electric Vehicle Applications
5	167	Khobragade Siddhi	Design and Simulation of an Axial Flux PCB Stator BLDC Motor for EV Powertrain Applications
6	230	Thombare Harsh	Design and Simulation of 60V, 3A EV Battery Charger Using Buck Converter with CC-CV Control
7	440	Manojkumar Chavhan	An Integrated Digital-Twin and Artificial-Intelligence Framework for Real-Time State-of-Charge and State-of-Health Estimation in Electric-Vehicle Lithium-Ion Battery Management Systems: Experimental Validation and IoT-Enabled Hardware Implementation



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ICAETM 2026 – TRACK 1, DAY 2, SESSION I



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Thursday, 29th October 2026
Mode	Online
Time	10.30 am - 12.30 pm
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 1: Electric Mobility, Power & Sustainable Energy Systems

Session Coordinator: Dr. M. P. Bhawalkar

Session Chair: Dr. Jayesh Pirolkar

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	201	Mole Samarth	Design and Development of a Dual-Source Hybrid Water Geyser Using LPG and Electricity
2	205	Yash Bharti	Recovering Vehicle Braking Energy Using a Hybrid Battery–Supercapacitor System
3	208	Joshi Rahul	Behavior Prediction of e-Vehicle Battery Using a Simplified Circuit Model in MATLAB/Simulink
4	266	Bagwan Arkam	Exploration of MATLAB/Simulink Modeling Techniques for Efficient Embedded Software Development Using Embedded Coder
5	221	Akshay Parabthane	System-Level Loss Analysis and Regenerative Braking Control for a PMSM-Driven Electric Forklift.
6	269	Lokhande Gaurav	An Intelligent In-Cabin Health Monitoring and Automated Emergency Response System Using Real-Time Data Analysis
7	176	Chavan Kiran	Design and Implementation of PowerPilot : An Automated Load And Power Management using PLC
8	174	Patil Pushpraj	Automatic Car Parking System Based on Programmable Logic Controller



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ICAETM 2026 – TRACK 1, DAY 2, SESSION II



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Thursday, 29th October 2026
Mode	Online
Time	1.30 pm - 3.30 pm
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 1: Electric Mobility, Power & Sustainable Energy Systems

Session Coordinator: Dr. M. S. Thakare

Session Chair: Dr. Mrunal Deshpande

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	226	Sawant Manali	An Event-Triggered, Edge Intelligent Battery Management System for Electric Vehicles Using a Digital Twin and Model-Residual Anomaly Detection
2	260	Akangire Sayali	A Reinforcement-Learning-Tuned Adaptive-Step Perturb & Observe MPPT for Solar PV Systems under Indian Climatic Conditions
3	84	Muley Shivani	Dynamic Performance Enhancement of Grid-Connected EV Charging Stations Using STSMC
4	204	Narote Onkar	Investigating Machine Learning Approaches for Range Estimation in Electric Scooters
5	206	Burungale Rupali	Machine Learning Approaches for Power Quality Disturbance Classification in Smart Grids: A Review
6	423	Ayush kumar Singh	Multi-Criteria Decision Framework for EV Charger Site Selection
7	265	Hande Sarthak	IoT Based Substation Surveillance system for preventive maintenance
8	267	Potdar Shreeya	Railway Accident Prevention System with Auto Brake Using Embedded Sensor and Wireless Communication Technologies
9	172	Supugade Siddhesh	Intelligent Multi-Machine Scheduler for Load Management