



Pune Vidyarthi Griha's
College of Engineering, Technology & Management, Pune-09
An Autonomous Institute Affiliated to Savitribai Phule Pune University
ICAETM 2026 – TRACK 5, DAY 1, SESSION I



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Wednesday, 28 October 2026
Mode	Offline
Time	1:30 pm – 4.30 pm
Venue	404: Engg. Main Building
4.30 pm: High Tea break & common photo session	

Track 5: Electronics, Embedded & Communication Technologies

**Session Coordinator: Prof. Mrs. V. V. Sovani
Prof. N. D. Kuchekar**

Session Chair: Dr. Bhuvaneshwari Jolad

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	114	Shardul Sudhanshu Ranade	Gesture Controlled Wheelchair Using the ESP32 Microcontroller
2	143	Atharva Vilas Hamak	A Comparative Study of Existing UWB Vivaldi Antenna Designs
3	147	Sakshi Bhamare	Intelligent IoT-Based Monitoring and Predictive Maintenance System for Pulse Jet Bag Filters
4	168	Dr. Swati Ajay Gandhi	5G-Enabled Edge AI Smart Surveillance System for Real-Time Crime Detection
5	187	Tejas Muralidhar Surve	Vision Assist: AI-Based Bus Detection and Audio Guidance System for Visually Impaired Passengers Using YOLOv8 and OCR
6	316	Anand Somnath Najan	Adaptive Intelligent Surface-Based System to Suppress the Impact of Unauthorized Users in Wireless Communication Networks
7	455	Ravindra Somnath Bhangare	AI-Driven Hybrid Li-Fi & Wi-Fi Smart Secure Communications And Intelligent Automation System



Pune Vidyarthi Griha's
College of Engineering, Technology & Management, Pune-09
An Autonomous Institute Affiliated to Savitribai Phule Pune University
ICAETM 2026 – TRACK 5, DAY 2, SESSION I



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Thursday, 29 October 2026
Mode	Online
Time	9.00 AM – 11.00AM
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 5: Electronics, Embedded & Communication Technologies

**Session Coordinator: Prof. T. S. Khataavkar,
Prof. S. V. Yogi**

Session Chair: Dr. Rohit Dua

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	109	Arin Vikas Patil	Advanced EEG Signal Processing Techniques for Real-Time Brain-Computer Interface Systems
2	112	Ekeshwari Babarao Dolas	Tremometrix: An IoT-Based Prototype for Classification of Parkinsonian Tremors Using Wearable device
3	126	Sonika Sharad Wadekar	Design and Implementation of an ESP32-Based IoT Framework for Distribution Transformer Monitoring
4	127	Shruti Rajendra Gujar	Explainable and Calibrated Efficient Net Framework for Sugarcane Leaf Disease Detection Using ESP32-CAM Imaging
5	158	Akanksha Madhav Digraskar	IOT- Based Real -Time Power Quality Monitoring and Analysis
6	177	Sakshi Jagdish Khanore	Design and Development of a Solar-Powered Autonomous Pool Cleaning Robot



Pune Vidyarthi Griha's
College of Engineering, Technology & Management, Pune-09
An Autonomous Institute Affiliated to Savitribai Phule Pune University
ICAETM 2026 – TRACK 5, DAY 2, SESSION II



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Thursday, 29 October 2026
Mode	Online
Time	9.00 AM – 11.00 AM
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 5: Electronics, Embedded & Communication Technologies

**Session Coordinator: Dr. M. H. Belsare,
Prof. P. S. Deshpande**

Session Chair: Dr. Jeegisha Jain

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	144	Shachi kishor kadam	A Comprehensive Review of Intelligent Control, Communication and Mapping Technologies for Micro Submarine Systems
2	107	Sumedh Pathrudkar	Comparative Analysis of Delay, Power, and Area in Hybrid Multi-Bit Adders Based on Ling and SQRT CSLA Architectures
3	139	Anjali Anil Suryawanshi	Eye Assist Device
4	234	Kunal Tupe	Comparative Performance Analysis of Modulation Schemes for Inter-Satellite Optical Links: QPSK, OOK and 16-QAM
5	157	Bhagyashri Vijay Parbhane	IOT-BASED REAL-TIME AIR QUALITY MONITORING SYSTEM
6	165	Bhakti Bhausaheb Chavan	Automatic Irrigation and Soil Nutrient Monitoring System



Pune Vidyarthi Griha's
College of Engineering, Technology & Management, Pune-09
An Autonomous Institute Affiliated to Savitribai Phule Pune University
ICAETM 2026 – TRACK 5, DAY 2, SESSION III



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Thursday, 29 October 2026
Mode	Online
Time	2:30 pm – 4.30 pm
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 5: Electronics, Embedded & Communication Technologies

Session Coordinator: Dr. M. P. Potdar,
Prof. Mrs. U. A. Walke

Session Chair: Dr. Sanjay Mohite

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	195	Niti Jitendrabhai Agrawal	Fall Detection System for Elderly People
2	213	Vidya Jadhav	Smart Agriculture System And Market Forecasting
3	218	Mohit Mahendra Kudagi	A Physics-Based Digital Twin for Severity-Calibrated MCSA Dataset Generation and Machine-Learning Fault Diagnosis of Induction Motors
4	193	Jui Amol Bramhe	Design and Development of a Smart Sign Language to Speech Converting Robotic Glove
5	69	Soham Amit Kale	A Comprehensive Review of Wall-Climbing Robots for Inspection and Maintenance Applications
6	243	Mangesh Chavan	SafeWear: An IoT-Based Smart Wearable for Automated Physiological Anomaly Detection and GPS-Enabled Emergency Alerting
7	353	Mayuri Arjun Auti	Locked-In Syndrome: A Comprehensive Review of Clinical Management, Brain-Computer Interface Technologies, and Ethical Considerations
8	451	Anita Tanaji Salunkhe	Wearable IoT Patient Monitoring with On-Device Fall Detection: A Review of Edge-AI Methods, Embedded Deployment, and Open Challenges



Pune Vidyarthi Griha's
College of Engineering, Technology & Management, Pune-09
An Autonomous Institute Affiliated to Savitribai Phule Pune University
ICAETM 2026 – TRACK 5, DAY 3, SESSION I



INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, TECHNOLOGY AND MANAGEMENT

Date	Friday, 30 October 2026
Mode	Online
Time	9.00 AM – 11.00 AM
Venue	-
10 min.: Presentation time	
5 min. : Question & Answer	

Track 5: Electronics, Embedded & Communication Technologies

**Session Coordinator: Dr. S. R. Litake,
Prof. V. U. Gongane**

Session Chair: Mr. Shardul Rautmare

TECHNICAL PAPER PRESENTATION SCHEDULE

Sr. No.	Paper ID	Author Name	Article Title
1	388	Rohit Dua	Work-In-Progress: From Curiosity to Creation: Undergraduate Research Experiences in Electrical and Computer Engineering Through the OURE Program
2	413	Snehal Mohan Veer	Design of an Iterative Context-Enriched Multi-Stage Intelligence Framework for Reliable Rice Disease Classification Using Spectral Texture Manifolds, Progression Graphs, and Uncertainty-Aware Optimizations
3	138	Shubhjeet Singh Kalsi	Design and FPGA Implementation of a 32-bit RISC-V Processor with a Custom Matrix Multiply-Accumulate ISA Extension
4	169	Mallika Narayan Kulkarni	FPGA-Based Hybrid Lightweight Cryptographic Architecture for Secure Communication in IoMT Healthcare Systems
5	197	Jugal Salil Shirodkar	FPGA Implementation and Evaluation of Multiple-Bit Parity-Based Fault Detection for CRC Circuit
6	198	Shrutika Jitendra Shinde	Design and Implementation of a Multitype FIR Filter on FPGA