

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060**

**DEPARTMENT OF MATHEMATICS**

**INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS AND  
COMPUTING 2025**

**AUTOMATION TRACK PRESENTATION SCHEDULE**

**Date & Session: 21.02.2025 – 12.00 – 1.00 pm**

<b>PANEL – I (Venue: Computer Center – I , Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	Sherril Johnson	Sri Ramakrishna Engineering College	Automatic Defect Detection Using Vision System
2.	V.S.Rajamurugan	Sona College of Technology	Book Tracking System for Library
3.	J.Logesh	Bannari Amman Institute Of Technology	Autonomous Navigation Mobile Robot Based on Robot Operating System
4.	Pradeep Valipi	Muthayammal Engineering College	Smart Lift Control For Physically Challenged People Using Wlan Protocol
5.	R.Usha Nandhini	Kongu Engineering College	Design and fabrication of smart dustbin
<b>PANEL – II (Venue: Audio Visual Lab – II , Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	S.V.Neha Abhimukhi	Sona College of Technology, Salem	LORA Technology for Flood Monitoring and Warning System
2.	K.BA.Vijayabhaskar	Karpagam College Of Engineering	Smart Charging Solution From Hybrid Energy System Using Cuk Converter
3.	M.Eniyatamilarasan	Muthayammal Engineering College	Enhanced Plant Disease Detection System With Multi Model Deep Learning And Cgan Augmentation
4.	Dr.P.Magudeshwaran	Kongu Engineering College	An IoT-Enabled Approach to Automated Cleaning of Solar Panels for Efficiency Boost
5.	R.Kamali	Kongu Engineering College	Enhanced Thermal Management and Contamination Protection in Ceramic Band Heaters

**Date & Session:** 21.02.2025 – 4.15 – 5.00 pm

<b>PANEL – I (Venue: Computer Center – I , Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	R.Pratheepkumar	Sona College of Technology	Smart Shopping Cart using RFID
2.	S.R.Guru Keerthana	Bannari Amman Institute Of Technology	Indirect Survey Form Management System
3.	Cibi Krishna Venkatesan	Kongu Engineering College	Design and Optimization of Universal Shift Register Using QCA

  

<b>PANEL – II (Venue: Audio Visual Lab – II , Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	Venkatesh Ragipati	Muthayammal engineering college	Voice Assistant Home Automation Using Arduino Along With Biometric Door Lock System
2.	Mrithula Senthil Kumar	Sri Ramakrishna Engineering College	All-Terrain Snake Mechanized Robot for Landmine Inspection
3.	Praveen Kumar	Kongu Engineering College	Modernizing Vehicle Security and Performance: IoT and GSM-Enhanced Solutions for Theft Prevention, Fuel Monitoring, Speed Control, and Tire Pressure Management

**Date & Session:** 22.02.2025 – 10.20 – 12.00 noon

<b>PANEL – I (Venue: Computer Center – I , Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	E.U.Pradeesh Kumar	Sona College of Technology	A Robust Model for ID Card Detection using YOLO in Real-World Applications
2.	S.Sreelekha	Sri Ramakrishna Engineering College, Coimbatore	Three-Axis Delta Robot with IK and MPC Algorithms for High-Precision Sorting Applications
3.	J.Hari Priya	Bannari Amman Institute Of Technology	Smart Lighting And Thunder Detection For Safety Shutdown
4.	V. Kiruthika	Muthayammal engineering college, Rasipuram	Analysis of eye pressure for Glucoma patients
5.	K.P.Hariprasanth	Muthayammal Engineering College	Intelligent Search And Rescue System Using Iot
6.	S.Shanmuga Sundaram	Kongu Engineering College	Design And Fabrication Of Tapioca Planting Machine
7.	K.S.Bharath	Kongu Engineering College	Design and Fabrication of Semi-Automated Natural Waste Cleaner
8.	Kamali Ramakrishnan	Kongu Engineering College	Enhanced Thermal Management and Contamination Protection in Ceramic Band Heaters

<b>PANEL – II (Venue: Audio Visual Lab – II , Science and Humanities Block)</b>			
<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	K.Vigneshwaran	Sona College of Technology	Speed Control of BLDC Motor for Drone
2.	J.Alvin	Muthayammal Engineering College	Efficient VLSI Implementation of RISC-V Core Design
3.	G.Sanjaykumar	SNS college of Technology	HVAC Duct Cleaning Bot and Monitoring Using Blynk IoT
4.	G.Yogavarshini	Kongu Engineering College	IOT, Automated Feeder Control, Electricity Theft Detection, Fault Detection, Transformer Monitoring, ESP32 Microcontroller, Power Distribution Optimization
5.	S.Arjun	Kongu Engineering College	Automatic Solar Power Trash Compactor
6.	G.Hariharasudhan	Kongu Engineering College	Swarm Robot-Based Intralogistics Management with Hardware Accelerated Centralized Monitoring

7.	N.S.TamilKumaran	Kongu Engineering College	Hybrid CNN-Flower Pollination Algorithm for Optimized Skin Cancer Prognosis Using Patient Biometrics and Epidemiological Factors
8.	C.Abimanyu	Kongu Engineering College	Speed Control of Electric Vehicle based on real time traffic intensity using CNN

**Date & Session:** 22.02.2025 – 3.00 – 4.00 pm

**PANEL – I (Venue: Computer Center – I ,  
Science and Humanities Block)**

<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	M.Bharath	University College Of Engineering - Bit Campus, Anna University, Trichy	Reduction of Excessive Charging and Discharging in Battery Management System by Using Lithium-ion Battery
2.	S.Kiruthick Raj	Muthayammal Engineering College	Automated Image Annotation For Autonomous Vehicles Using An Resnet50-Slt Model With Novel Multi-Scale Feature Extraction
3.	T.Kishan Chakravarthy	Kongu Engineering College	Smart CNC Machine Coolant Monitoring System
4.	R.Aravindh	Kongu Engineering College	A Comparative Analysis of Harmonic Performance Between Cascaded H-Bridge Multilevel Inverter and Cascaded H-Bridge Multilevel DC-Link Inverter Using Carrier Disposition PWM Techniques

**PANEL – II (Venue: Audio Visual Lab – II ,  
Science and Humanities Block)**

<b>S.No.</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Title of the Article</b>
1.	Sriram Mani	Sona College Of Technology	Automated Street Lighting
2.	Dasari Anvesh	Muthayammal Engineering College	FPGA Implementation of Optimized Floating Point Multiplier using Minimal Error Logarithmic Approach
3.	K.Manobaala	Kongu Engineering College	Design And Fabrication Of Semi – Automatic Cucumber Seed Sowing Machine
4.	V.Deepakkumar	Kongu Engineering College	Area Efficient Implementation of the advanced Encryption Standard on FPGA and ASIC Platforms