AQMM 2026 – Track 3 (13teams)

Session Incharge: Dr. G. L. Sathyamoorthy,
Session Chair: Mr. Senthil Kumar, Dr. G.L Sathyamoorthy

Venue: LT1

Themes:

4. Remote Sensing and Geospatial Technologies.
5. Smart Cities and Digital Environmental Systems.
8. Climate Change and Environmental Sustainability.
10. Emerging Technologies and Future Air Systems.

Student Details and Presentation Titles

S. No	ID No	Name	Title	Theme Name	Time
1	21	Abisheik S	Air pollution Analysis in Coimbatore Using QGIS	Remote Sensing and Geospatial Technologies	3:30 PM – 3:42 PM
2	28	Lokesh K	Autonomous Edge-AI UAV Framework for Dynamic High-Resolution Air Quality Mapping	Remote Sensing and Geospatial Technologies	3:42 PM – 3:54 PM
4	15	Rathipriya S	IoT-Based Smart Parking System: Real-Time Availability Detection Using Flutter, OpenStreetMap, and Simulated IoT Sensor Integration	Smart Cities and Digital Environmental Systems	4:06 PM – 4:18 PM

S. No	ID No	Name	Title	Theme Name	Time
5	22	Rhenius Sangeerthanan	Coconut Shell Biochar - Modified Bitumen for Sustainable Pavements: A Critical Review of Pavement Performance, Asphalt Emissions and Air-Quality Implications	Climate Change and Environmental Sustainability	4:18 PM – 4:30 PM
6	65	sindhuja TS	Experimental Evaluation of Nature Based Solutions for ambient Air Pollution Reduction in Industrial Environment in processing unit.	Climate Change and Environmental Sustainability	4:30 PM – 4:42 PM
7	91	Alwin Mathew	Assessment of urban gree cover and its impact on air quality for coimbatore city	Climate Change and Environmental Sustainability	4:42 PM – 4:54 PM
8	17	SURYAPRAKASH S	Co-Design of Physical Systems and Control Policies Using Generative A	Emerging Technologies and Future Air Systems	4:54 PM – 5:06 PM
9	26	ADITHIYAN T	Design and Experimental Investigation of an IoT Enabled Smart Waste-Heat Recovery System for Sustainable Industrial Applications	Emerging Technologies and Future Air Systems	5:06 PM – 5:18 PM
10	42	Archna Pandi	Autonomous Platforms, Advanced Sensing, and Edge Intelligence for Next-Generation Air Quality Monitoring: A Review	Emerging Technologies and Future Air Systems	5:18 PM – 5:30 PM
11	66	UDHAYAKUMAR M	STM32 Based Health Monitoring and Fall Detection using Optimized Gradient Boosting Algorithm	Emerging Technologies and Future Air Systems	5:30 PM – 5:42 PM
13	77	Sneha Mahalingam	AgriShare: A Web Platform for Agricultural Machinery Sharing, Booking, and Utilization Monitoring with Multilingual Rule-Based Assistance	Smart Cities and Digital Environmental Systems	5:54 PM – 6:06 PM
3	7	Sri Pranap K	Environmental Health Risks of Unmanaged Supplementary Cementitious Waste Mitigation Through M30-based Concrete Reuse: An Experimental Study	Smart Cities and Digital Environmental Systems	3:54 PM – 4:06 PM