

**LIST OF SELECTD ABSTRACTS FOR POSTER PRESENTATION**  
**ENGINEERING SCIENCE AND TECHNOLOGY**

SL No	Full Name	Title of Presentation	Mode of Presentation	Participation Number	Code
1	Krishnendu M S Sreelekshmi S Habeeb Akshay	AI-Based Seismic Assessment of Irregular RCC Buildings Using an Automated BIM-FEA Framework	Poster		501
2	Adwaith A Kumar	AI-Driven Search and Rescue: Intelligent Drone Deployment for Real-time Human Detection Using YOLOv8	Poster	NC00423	502
3	ANGEL B JOHN	Authorship Attribution of Malayalam Literary Works using Transformer Models and Transfer Learning	Poster	NC00504	503
4	Manikandan H Haris P A Rajeesh R Pillai Muhasin K M Monthash T Bijesh Paul	Beyond Compliance: Psychological Safety and Power Dynamics as Enablers of Inclusive,Liberty-Centric Behaviour-Based Safety Engineering	Poster		504

SL No	Full Name	Title of Presentation	Mode of Presentation	Participation Number	Code
5	Harinandana p	BioSentry	Poster	NC00393	505
6	Shiji S Suresh Assa J V	Codal Approach to Size Selection of Solid Concrete Bricks	Poster		506
7	Alisha Mary Shibu	COGNIDECODE : A Multimodal Neural Framework for Brain Signal Interpretation	Poster	NC00501	507
8	Anusha Sunny	Comparative performance evaluation of machine learning models for dielectric property predictions	Poster	NC00475	508
9	M S Savitha Abhishek G Abinav K Anubhav V K Akshitha R	Cropshield AI: Intelligent Farming System for Crop Disease Detection, Price Forecasting & Pesticide Management	Poster		509

SL No	Full Name	Title of Presentation	Mode of Presentation	Participation Number	Code
10	Dr.Reji P G Akash M S Nandhana Nath S Albin V Ani Asna A	Design and Development of Sustainable Portable Homes Powered by Solar Energy and Resistant to Earthquakes	Poster		510
11	Safa Sayed	Development and Characterization of Silver Nanoparticle – Enriched Biopolymer Films Synthesized using Spent Mushroom Substrate	Poster	NC00703	511
12	Nandana V Lailand SREEDATH T	Development of edible straw from agricultural byproducts	Poster	NC00311	512
13	Siya scaria	DHARTI-AI: Living Weather Intelligence for Small Farmers”	Poster	NC00559	513
14	Annu Alphonse Jojo	Echoeyes - An AI powered device for visually impaired individuals for navigation and interaction	Poster	NC00490	514

SL No	Full Name	Title of Presentation	Mode of Presentation	Participation Number	Code
15	Devika L Krishna M Alamelu D Ajay Gowtham Krishna Meera Bai	FROM MARINE BIOMASS TO DYE REMEDIATION: COMPARATIVE ADSORPTION OF CRYSTAL VIOLET AND CONGO RED ON ULVA FASCIATA BIOCHAR	Poster		515
16	AJIN REJI ALVIN JOHN VARGHESE MUHAMMED ANAS S NIKHITHA RAJEEV	Future of Charging for EVs and IoT Devices Without Cables	Poster	NC00610	516
17	Rena Farzana S	GEPOLYMER CONCRETE AS A SUSTAINABLE AND DISASTER-RESILIENT MATERIAL FOR INFRASTRUCTURE DEVELOPMENT	Poster	NC00447	517

SL No	Full Name	Title of Presentation	Mode of Presentation	Participation Number	Code
18	JENCY STANLY	Hybrid Bivariate Beta-Based Models for Discrete Count Data with Applications	Poster	NC00374	518
19	Megha K J Anusha Sunny	Influence of 3D Printing Parameters on Relative Dielectric Properties of Synthetic Material	Poster		519
20	Anita Mariya Joseph	Living Weather Intelligence for Small Farmers	Poster		520
21	SREYA C VIVEK RAM M J	Lumora-Portable Stargazing System	Poster	NC00665	521
22	NIVYA MARY ABRAHAM	Numerical Simulation of Fixed-Bed Adsorption of Zn (II) Using Agricultural Waste Adsorbents	Poster	NC00528	522
23	ANJU DEVI	Post-Flood Data Loss and Recovery Strategies for Critical Digital Systems in Kerala	Poster	NC00730	523
24	FILBERT JOLLY JACOB Malavika C M Raniya M A Fadiya Siyan CH Diya Thomas	Process Optimization and Technological Strategies for Developing a Synbiotic Functional Bar from Non-Marketable Rambutan Fruits	Poster	NC00361	524

SL No	Full Name	Title of Presentation	Mode of Presentation	Participation Number	Code
25	Dr.C.V. Suresh Babu	Reimagining Engineering, Science and Technology Education Through Research -Based Teaching and Learning: A Pathway toward Purpose-Driven Higher Education	Poster		525
26	Fathimathul Rizma	Reinterpreting Kannur City's Cultural Quarters through Everyday Urbanism: An Analysis of Experiential Patterns	Poster		526
27	S Anupama	RideLink : A Unified Ride Management System	Poster	NC00345	527
28	ANCY & MATHEW	Scrap Tyre Pad Isolators for Seismic Protection of Low-Rise Masonry Buildings in India: A Study on the Effect of Central Holes	Poster	NC00524	528
29	GOURINANDA SINOJ IRFANA RAHIM Anaina Binoy	SIGN TO SPEAK	Poster	NC00438	529
30	VYSHNAVI MANOJ Harinandini Anil ANJALEENA ROY	SMART EV CHARGING STATION	Poster	NC00471	530
31	DAN MATHEWS VINU ROSHAN JOY ADVAID JAY APRASADH SAM SAROD BLESSON	STEGAN VISION	Poster		531
32	Sreedath T Joseph George Nandana V Lailand Nikki John Kannampilly	Sustainable Production of Biodegradable Straws from Agri-Waste	Poster		532
33	Manikandan H Reghuraj A R Leera Raju Surya S Pradeep P D Premkrishnan P	Towards Sustainable Machining: Energy Modelling and Efficiency Enhancement Incorporating Sustainability Indices	Poster		533
34	Dr.Honey Baby Aswathi Mariam Mohan Silpanjali Gopal	Translating Academic Innovation for Societal Advancement in Kerala	Poster		534

35	Abhiraj B	UAV-Based Deep Learning Framework for Maritime Search and Rescue:RGB and Infrared Human Detection Using YOLOv8	Poster		535
36	Nidhila Raj	Valorization of Waste Biomass into Smart Cellulose Films for Food Freshness Sensing	Poster	NC00440	536
37	Shreyas K	Sustainable Construction through Optimized Mix Design with Automated Nozzle Adjustment in 3d Printer	Poster		537