

# Third International Conference on Green Energy, Environmental Engineering and Sustainable Technologies 2025 (ICGEST 2025)

Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India

## Program Schedule

Date	Time	Event
19.12.2025	10.50 a.m. to 11.20 a.m.	<b>Keynote Address 1: Dr. Haider TH. Salim AL Rikabi</b> <i>Electrical Engineering.</i> <i>College of Engineering /Wasit University, Iraq</i> <b>Google meet link: <a href="https://meet.google.com/rie-wpxr-cnc">https://meet.google.com/rie-wpxr-cnc</a></b>
	11.30 a.m. to 11.50 a.m.	<b>Inaugural Function</b> <b>Google meet link: <a href="https://meet.google.com/rie-wpxr-cnc">https://meet.google.com/rie-wpxr-cnc</a></b>
	11.55 a.m. to 02.00 p.m.	Session 1: EST01 (Refer page 2 for session link)
		Session 2: EST02 (Refer page 3 for session link)
		Session 3: EST03 (Refer page 4 for session link)
		Session 4: EST04 (Refer page 5 for session link)
		Session 5: EST05 (Refer page 6 for session link)

### Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google meet platform.
3. Participants can join the irrespective sessions by clicking the meet link given
4. Mode of presentation should be power point presentation (ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 2 minutes (Queries)
6. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
7. Participants are requested to contact the respective session coordinators for presentation related queries.
8. If any problem connecting to session, please contact the session In-Charges during presentation date(s).

## Session 1: EST01 (Online)

Date: 19.12.2025

Time: 11.55 am to 02.05 pm

Session Chair: Dr Ajay Kumar Verma, Shri Shankaracharya Technical Campus, Bhilai

Google Meet Link: <https://meet.google.com/mwa-wseu-zkt>

Time	Paper ID	Paper Title
11.55 am	GEST 5012	Mechanical of Palm Shell Ash-Based Gepolymer Mortar with Silica Fume as Cement Substitute
12.07 pm	GEST 5027	Seismic Evaluation of a Four-Storey Apartment Building in Matina, Davao City using Non-Linear Dynamic Analysis in accordance with ASCE 41-17
12.19 pm	GEST 5030	Solar Cooling Alternatives for Kuwait's Climate
12.31 pm	GEST 5032	Recycled Glass as Partial Replacement for Fine Aggregates in Concrete for Marine Structure Application
12.43 pm	GEST 5033	Investigating the Use of Pandan Leaves (Pandanus Amaryllifolius) as a Component in Producing Exterior Wall Fiber Cement Board
12.55 pm	GEST 5034	Evaluating the Mechanical Properties of M20 Concrete Hollow Blocks with Coconut Husk Ash (CHA) and Crushed Coconut Shell (CCS) as Cement and Fine Aggregates Replacement
01.07 pm	GEST 5035	Utilization of Spent Coffee Grounds, Waste Glass, and Clay as Raw Materials for Flooring Tiles
01.19 pm	GEST 5042	Waste Heat Driven Vapour Absorption Refrigeration System for Two-Wheelers Using LiBr-H <sub>2</sub> O Pair
01.31 pm	GEST 5043	Decarbonising Building Construction Using Bio-Digital Fabrication: An ISM Approach
01.43 pm	GEST 5044	Optimization of Enzymatic Biodiesel Production from Waste Cooking Oil Using Lipase: Process Modelling, Yield Enhancement, and Fuel Characterization
01.55 pm	GEST 5059	Geospatial analysis of the Khorezm oasis in terms of its vegetation cover and the impact of vegetation criteria on the desertification process

## Session 2: EST02 (Online)

Date: 19.12.2025

Time: 11.55 am to 02.05 pm

Session Chair: Dr Lakshman Sondhi, Shri Shankaracharya Technical Campus, Bhilai

Google Meet Link: <https://meet.google.com/ivg-qwbo-urm>

Time	Paper ID	Paper Title
11.55 am	GEST 5065	Sustainable Geopolymer Pavers: A Comparative study of Rice Husk Ash and GGBS based mixes
12.07 pm	GEST 5067	The Impact of Green Packaging on Vietnamese Students' Green Purchase Intention: Driving Environmental Sustainability in Digital Commerce
12.19 pm	GEST 5069	Piezoresistive Properties of Smart Concrete Integrated with Nano Carbon Fibres
12.31 pm	GEST 5077	Mapping the Policy-Economic-Technological Barriers in Construction & Demolition Waste: Cause-Effect Insights from a DEMATEL Analysis
12.43 pm	GEST 5080	Fresh Properties and Early Strength of Diatomaceous Earth Based Geopolymer Pastes
12.55 pm	GEST 5082	Removal of micropollutant from Samaraa drinking water using granular activated carbon: Review
01.07 pm	GEST 5084	Effect of Precast Concrete Walls on the Behavior of Mortar-Filled Steel Hollow Section Frames
01.19 pm	GEST 5085	The effect of steel hollow section size on flexural capacity and ductility of truss reinforced concrete beams
01.31 pm	GEST 5087	Applications of HEC-RAS and ADC in Hydraulic Flow Modelling Around Barrages: A Systematic Review
01.43 pm	GEST 5088	Deep Learning and Blockchain for Smart Grids: Integration, Challenges, and Future Directions
01.55 pm	GEST 5099	Effect of Titanium Oxide on Hydrogen Peroxide Generation in Plasma-Activated Water

### Session 3: EST03 (Online)

Date: 19.12.2025

Time: 11.55 am to 02.05 pm

Session Chair: Dr Shimpy Ralhan, Shri Shankaracharya Technical Campus

Google Meet Link: <https://meet.google.com/iit-hype-tte>

Time	Paper ID	Paper Title
11.55 am	GEST 6001	Integration of Renewable energy sources with Battery Energy Storage for Line Loss Reduction in Distribution Networks using HALACBO algorithm
12.07 pm	GEST 6007	The Effect of Different Service Loads on the Behavior of Full-Scale Precast Concrete Sandwich Panels
12.19 pm	GEST 6011	Quantification of Household Greenhouse Gas Emissions in Mumbai: A Scope 1, 2, and 3 Analysis
12.31 pm	GEST 6017	Blast Furnace Slag and Rice Husk Ash as sustainable materials in ternary blended concrete
12.43 pm	GEST 6018	Sustainable Cultural Behavior and Environmental Awareness: The Case of Joss Paper Burning in Vietnam
12.55 pm	GEST 6024	Analyzing solar panel power based on light intensity at different wavelengths
01.07 pm	GEST 6034	Advanced Oxidation of Pesticide-Containing Wastewater Using an Ozonation Column System Under Optimized Conditions
01.19 pm	GEST 6042	Comparative Evaluation of Machine and Deep Learning Models for Air Quality Index Prediction in Jaipur, India
01.31 pm	GEST 6048	Impact of Bentonite Clay on the Structural and Durability properties of concrete
01.43 pm	GEST 6049	Influence of Tank Geometry on Seismic Performance and Cost of RCC Overhead Water Tanks in Indian Seismic Zones
01.55 pm	GEST 6050	Comparative Analysis of Particulate Matter Emissions and Health Risks from Biomass and LPG Cooking Fuels

## Session 4: EST04 (Online)

Date: 19.12.2025

Time: 11.55 am to 02.05 pm

Session Chair: Dr Somesh Kumar Dewangan, Shri Shankaracharya Technical Campus, Bhilai

Google Meet Link: <https://meet.google.com/uoh-dwry-ywf>

Time	Paper ID	Paper Title
11.55 am	GEST 6059	Experimental Work on Shear Behavior of Masonry Wall Using Local Mortar and Traditional Solid Clay Brick
12.07 pm	GEST 6066	Influence of Outdoor Particulate Matter on Indoor Air Quality and Human Health Risks in Urban High-Rise Buildings
12.19 pm	GEST 6074	The sustainability of financing for the demining process in Ukraines territory
12.31 pm	GEST 6080	Justification of the acceptability of a hybrid approach to passenger and freight flows' predictive modelling in the context of sustainable development
12.43 pm	GEST 6081	Urban infrastructure of large city environments in Uzbekistan
12.55 pm	GEST 6082	Optimization of Abaca Fiber Content in Cementitious Composites to Improve Mechanical Performance at Early and Design Ages
01.07 pm	GEST 6088	Smart Locker Solutions for Sustainable Urban Logistics: Experimental Research in Ho Chi Minh City
01.19 pm	GEST 6089	Decoding Telemedicine Adoption: The Roles of Digital Skills, Trust Dynamics, and Facilitating Conditions Among Outpatients
01.31 pm	GEST 6090	To the study of the efficiency of electric traction locomotives on the Kokand - Andizhan section of the Uzbek railway
01.43 pm	GEST 6091	Data Center Management Planning in a Glassware Company Using the NIST SP 800-30 Method
01.55 pm	GEST 6092	Employing Green Technology System in calibrating Eco-Marketing strategy of grape growing companies: Transparent and Controlled use of Green Chemicals

## Session 5: EST05 (Online)

Date: 19.12.2025

Time: 11.55 am to 02.05 pm

Session Chair: Dr Avinash Dhole, Shri Shankaracharya Technical Campus, Bhilai

Google Meet Link: <https://meet.google.com/peg-taav-ufw>

Time	Paper ID	Paper Title
11.55 am	GEST 6094	Blockchain and Digital Platforms for Transparency and Visitor Management in Sustainable Eco-Tourism
12.07 pm	GEST 6095	Evaluating the Effectiveness of IoT-Based Environmental Monitoring Systems in Minimizing Ecological Impact at Eco-Tourism Sites
12.19 pm	GEST 6096	Application of operating systems for the combined development of ground vehicles and drones for cargo delivery based on artificial intelligence
12.31 pm	GEST 6098	Hybrid Evaluation of Water Distribution System Using Epanet and Statistical Indices
12.43 pm	GEST 6099	Design of Water Distribution Network through Extended Period Monte Carlo Simulation
12.55 pm	GEST 7000	A Hybrid WaterGEMS-MAE-PCC Framework for Hydraulic Modeling and Reliability Assessment of Water Distribution Systems
01.07 pm	GEST 7002	A Performance-Enhanced Water Distribution Model via EPANET Integrated with R <sup>2</sup> and Percent Bias Analysis
01.19 pm	GEST 7004	Sustainable Synthesis of Mg-Doped Nanostructures Using Tamarind Seed Extract for Water Fluoride Mitigation and Antibacterial Activity
01.31 pm	GEST 7005	Green Synthesis of Rutin-Mediated Myristica fragrans Silver Nanoparticles and Their Antibacterial Efficacy on Escherichia coli and Bacillus subtilis
01.43 pm	GEST 7006	Sustainable Malathion Degradation Using Fe <sub>3</sub> O <sub>4</sub> /Marine Algae Nanocomposite Synthesized from Electrochemical Sludge