

on
Challenges and Innovations for Sustainable Smart Cities (CISSC 2025)
(07th – 09th February 2024)
HOTEL NOVOTEL, CHANDIGARH

Day 1 – 07th February, 2025, Time: 12:30 PM – 01:30 PM

Session 1: Theme – Smart Constructions, Venue: Hall-1

S.No.	Paper ID	Paper Title
01	32	Cracking the Code: Explainable Artificial Intelligence for Predictive Modelling in Sustainable Concrete
02	104	Experimental Study on One-part Geopolymer Mortar Containing Different Bacterial Strains
03	109	Utilization of Green Materials in Sustainable and Environment Friendly Urban Developments
04	118	From Black-Box to Explainable AI: Predicting Compressive Strength of Ultra-High-Performance Concrete
05	189	Leveraging AI to Unlock the Potential of Sustainable Fiber-Reinforced Concrete Materials
06	212	Assessing the Effectiveness of Geo-grid and Bio-waste in Enhancing Soil Hydraulic Properties
07	247	Experimental Investigation on Behavior of Transparent Concrete Using Glass and Optical Fibers
08	258	Factors Affecting Turnover of Workers from the Construction Industry: A Case Study of India
09	260	Advancing Construction 4.0: A Bibliometric Analysis of Mobile Web Integration in Digital Supply Chains

Day 1 – 07th February, 2025, Time: 12:30 PM – 01:30 PM

Session 2: Theme – Urban Mobility, Venue: Hall-2

S.No.	Paper ID	Paper Title
01	52	Evaluation of Effect of Platoon Leader Behavior of Commercial Vehicles on Highways in Non-Lane Based Traffic Conditions
02	60	Evaluating the Shift Towards Bicycle Transportation in Bhopal: A Modelling and Assessment Approach
03	61	Evaluating and Enhancing Road Safety Using star rating for school zone: A Case Study of Bhopal city in India
04	113	Assessing impact of pedestrian safety and security along access routes on transit usage
05	115	USE OF VIENNA TESTS SYSTEM IN TRANSPORTATION DOMAIN: A SYSTEMATIC LITERATURE REVIEW
06	119	Assessing Pedestrian Safety Behavior Through Proactive Observation: A State of the Art
07	142	Understanding Driver Distractions in Two Wheelers using Eye Tracker
08	264	AI-Driven Traffic Management: Utilizing YOLO for Real-Time Detection, Counting, and Regulation of Traffic to Prevent Congestion

Day 1 – 07th February, 2025, Time: 12:30 PM – 01:30 PM

Session 3: Theme – Application of Geospatial Technologies, Venue: Hall-3

S.No.	Paper ID	Paper Title
01	18	IDENTIFICATION OF GROUNDWATER POTENTIAL ZONES OF NASHIK DISTRICT USING GIS
02	50	Systematic Survey of Cloud Removal Algorithms and Associated Challenges in Remote Sensing Data
03	91	Multi-Hazard Susceptibility Mapping based on Analytical Hierarchy Process and Geospatial Information System in Himachal Pradesh
04	114	Crop Monitoring using Temporal UAV Images
05	126	Spatiotemporal Analysis of Surface Urban Heat Islands in a Sub-basin of Sabarmati River
06	250	Evaluating Station Density's Impact on Groundwater Level Estimation in a Semi-Arid Karnataka Watershed
07	269	Analyzing Land Use and Land Cover Variations of Doaba Region of Punjab
08	279	Accident Detection on Curved Roads Using Infrared Sensors in Hilly Regions
09	334	GRAPHICAL SOLUTION OF LAYOUTS IN ROZA YARD (MORADABAD DIVISION) WITH THE HELP OF ORTHOPHOTO MOSAIC TILES GENERATED BY AERIAL PHOTOGRAMMETRY SURVEY

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Day 1 – 07th February, 2025, Time: 02:15 PM – 03:30 PM

Session 4: Theme – Smart Constructions, Venue: Hall-1

S.No.	Paper ID	Paper Title
01	26	A review on development of stress-strain models of steel and their application in FEM analysis of CFST columns
02	154	Utilization of Low-grade Kaolinite Clays as a Sustainable Construction Material
03	196	Effect of Elevated Temperature on Mechanical Strength of Mortar Prepared with Waste Glass Crushed powder as Sustainable Cementitious material
04	210	Data-Driven Prediction and Experimental Assessment of Resilient Modulus in Reclaimed Asphalt Pavement with Rejuvenators
05	221	NUMERICAL INVESTIGATION ON BEHAVIOR OF STIFFENED CONCRETE-FILLED STEEL COMPOSITE COLUMNS
06	275	Evaluating Unconfined Compressive Strength and Post-Failure Behaviour of Brick kiln dust as well as pond Ash Stabilized, Polyester Fibre Reinforced Clay and Sand Subgrades for Improved Pavement Performance
07	299	Compressive strength behavior of recycled aggregate concrete made with finely ground rice husk ash
08	303	Performance Evaluation of Concrete Incorporating Borosilicate Glass Powder and Silica Fume
09	304	Effect of Gradation and Geo-cell Reinforcement on Unbound Granular Materials under Dynamic Loading
10	321	Durable and sustainable full depth reclamation (FDR) base containing thin bituminous layer using innovative nanotechnology
11	344	Characterisation of one-part alkali-activated binder prepared by mechanochemical activation

Day 1 – 07th February, 2025, Time: 02:15 PM – 03:30 PM

Session 5: Theme – Water and Solid-waste Management, Venue: Hall-2

S.No.	Paper ID	Paper Title
01	54	Performance of polyculture vertical flow constructed wetland for campus greywater treatment
02	55	A Comparative Study on Seawater Desalination Using Low-Cost Adsorbents: Multani Mitti, Marble Waste, Coconut Fiber, and Charcoal
03	125	Selective removal of fluoride using hydrous Mn and Zr oxides impregnated strong base anion exchange resin
04	129	A COMPREHENSIVE SYSTEMS THINKING APPROACH TO MINIMIZING CONSTRUCTION-RELATED MATERIAL WASTE
05	204	AI-Driven Predictive Modelling and Sustainable Interventions for Lake Restoration: A Case Study of Sukhna Lake Using Satellite Data
06	230	Hydrothermal Carbonization of Yard Waste: Impact of Leachate on Mass Yield, Energy Content, and Fuel Properties
07	277	Assessment of Eutrophication of a man- made Dhanas lake of an Indian city
08	307	Improving the Efficiency of Food Waste Anaerobic Digestion Using Biochar: A Sustainable Solution for Decentralized Systems
09	310	Superabsorbent polymers in disposable diapers as pollutant sink in water
10	317	Predictive Modelling of BOD Effluent and Removal Efficiency in Sewage Treatment Plants Using Machine Learning

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Day 1 – 07th February, 2025, Time: 02:15 PM – 03:30 PM
Session 6: Theme – Application of Geospatial Technologies, Venue: Hall-3

S.No.	Paper ID	Paper Title
01	38	A MONITORING THE EFFECTS OF CLIMATE CHANGE ON WATER RESOURCE USING REMOTE SENSING AND GIS
02	135	Understanding the Temporal impact of meteorological parameters on Aerosol concentrations in Urban Environment
03	184	Long-term variation in aerosol optical depth and vegetation indices in Ahmedabad, India
04	200	Comparative Assessments of Multi-Sensor Fusion Methods for Land Cover Classification in Remote Sensing: A Review
05	201	Assessing Pregnancy-related Emergency Calls in Maharashtra: Analysis of the MEMS records
06	213	A review on previous two decades Landslide Susceptibility Zonation mapping using GIS and Remote Sensing
07	240	Detection of Land Surface Temperature Variations in Indian Himalayan Region
08	243	Flood Mapping of the Supaul District using Sentinel-1 GRD SAR data and Google Earth Engine (GEE)
09	267	Monitoring Snowstorm-Driven Changes in LULC and NDVI in Uttarkashi with LANDSAT Satellite Imagery
10	297	Leveraging Google Earth Engine for High-Performance Global Geospatial Analysis and Decision Support
11	302	Landfill Mining and Waste Management: Challenges, Opportunities, and Innovations
12	319	LAND USE LAND COVER OF THE MAHANADI RIVER BASIN

Day 2 – 08th February, 2025, Time: 10:00 AM – 11:15 AM
Session 7: Theme – Smart Constructions, Venue: Hall-1

S.No.	Paper ID	Paper Title
01	7	An analysis of reliable health and safety on scaffolding dismantling analysis in megaprojects
02	27	Optimizing OMA Techniques: What Can We Learn from the Lysefjord Bridge?
03	31	Measuring Environmental Impact: Emissions Assessment from Construction to Building Operations
04	57	Utilizing Borosilicate Glass as a Supplementary Cementitious Material
05	58	Leveraging 6D-BIM for Energy-Efficient Residential Building Design: A Comparative Analysis of Wall Materials Across India's Climatic Zones
06	73	"Sustainable Development through Nanotechnology: Classification and Application of Nanoparticles in Cement Composites"
07	141	Performance Evaluation of Geopolymer and Alkaline Activated Concrete: A Review
08	161	Influence of Bamboo Biochar on the Mechanical and Durability Characteristics of Geopolymer Mortars
09	176	A review of BIM applications in Civil Infrastructure SHM practices
10	180	Enhancing Concrete Sustainability: Effects of Partial Replacement of Cement with GGBS and Dolomite Powder
11	216	Enhancing Pavement Performance through Waste Cooking Oil Rejuvenation: State of the Art

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Day 2 – 08th February, 2025, Time: 10:00 AM – 11:15 AM

Session 8: Theme – Disaster Management and Mitigation, Venue: Hall-2

S.No.	Paper ID	Paper Title
01	45	Seismic Safety on Non-Structural Elements in Hospital Buildings
02	92	Seismic Vulnerability and Damage Assessment of Aging Concrete Gravity Dams
03	94	Seismic Fragility Assessment of Corroded Reinforced Concrete Arch Bridges through Experimental and Numerical Investigations
04	165	Seismic Fragility Assessment of Heritage Structures through Field Testing and Numerical Simulations
05	174	DISASTER MANAGEMENT & MITIGATION OF CRITICAL HEALTHCARE INFRASTRUCTURE THROUGH RESILIENT ARCHITECTURE
06	181	Seismic Performance Assessment of Cable-Stayed Bridges of Different Cable Arrangements
07	188	Evaluating the Role of Critical Infrastructure in Regulating Inflows and Outflows in Smart Cities
08	222	Behavior of Clayey Soil Highway Embankment in Rising Flood: Geotechnical Investigations and Effect of Submergence
09	227	Analytical Investigation for Impact Loading on Reinforced Concrete Slab Considering Different Aspect Ratio
10	263	Assessment Of Spatio-Temporal Patterns of Compound Dry and Hot Events in India During the Post-Monsoon Season

Day 2 – 08th February, 2025, Time: 10:00 AM – 11:15 AM

Session 9: Theme – Urban Planning and Development Venue: Hall-3

S.No.	Paper ID	Paper Title
01	82	An Empirical Approach Towards Modeling Informal Activities on Urban Mixed-Use Streets
02	98	A Contemporary Vision Policy Reform and Adoption of Sustainable Urban Green Building Practices in Urban Strategically Designed Chandigarh Smart City: Challenges and Opportunities
03	121	Performance of Reinforced Soft Soil Foundation Using Digital Image Correlation Technique: A Review of Application and Properties
04	127	Assessment, Mapping and Modelling of Traffic Noise Levels in Delhi, India: A Case Study
05	136	Awater comparative analysis of high-rise building with roof truss subjected to wind load:open & closed top floor level
06	137	Mapping the landscape of Sustainable Smart City Research: A Bibliometric Analysis
07	143	Pedestrian Satisfaction Based on Methodology for Improving Walk-ability on Footpath In Vijayawada
08	155	Performance Evaluation of Queue Jump Lane Configurations Under Dynamic Volume-to-Capacity Ratios in Mixed Traffic Conditions
09	173	USING ACCESSIBILITY, DENSITY AND LAND USE INDICATORS TO MEASUREMENT OF TRANSIT-ORIENTED DEVELOPMENT (TOD) INDEX: A CASE STUDY OF BENGALURU

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Day 2 – 08th February, 2025, 2025, Time: 11:30 PM – 01:00 PM

Session 10: Theme – Smart Constructions Venue: Hall-1

S.No.	Paper ID	Paper Title
01	21	Retrofitting of flat-to-slope roofs for energy-efficient design: Case of building in northern India
02	35	Application of Industrial Symbiosis to Achieve Sustainability in India's Oil and Natural Gas
03	42	Response of RC beam repaired using byproduct-based repairing agent
04	63	Leveraging BIM for Sustainable Construction Practices and Integrated Project Delivery: TCCM Approach for Review
05	66	Mechanical and durability properties of sugarcane bagasse and cow dung ash-based sustainable geopolymer bricks
06	83	Reviewing the Hardened Properties of Perlite-Based Mortar and Concrete
07	89	Mechanical Properties and Strength Development of Ambient-Cured Geopolymer Concrete: Effects of Fly Ash to GGBS Ratio and Sodium Hydroxide Concentration
08	95	Sustainable Rigid Pavement Construction: A Review of Recycled Concrete Aggregates and Ground Granulated Blast Furnace Slag
09	101	Mechanical Performance Evaluation of Concrete Infused with Basalt Fibers for Application in Rigid Pavement Construction
10	144	Laboratory Investigation of Lignin as An Alternative Extender to Bitumen for Asphalt Road
11	164	Performance Analysis And Optimization Of Sand-Cement Blocks For Sustainable Construction

Day 2 – 08th February, 2025, 2025, Time: 11:30 PM – 01:00 PM

Session 11: Theme – Water and Solid-waste Management, Venue: Hall-2

S.No.	Paper ID	Paper Title
01	19	Sustainable Blue Economy for Managing Ocean Water and Marine Resources: Challenges and Opportunities in Indian Context
02	110	GIS-DRIVEN APPROACH FOR WASTEWATER MANAGEMENT IN VIZHINJAM AND SURROUNDING COASTAL AREAS
03	162	Exploration of Digital Technologies in Plastic Waste Management-A Case of Cities in Kerala
04	198	Performance Evaluation of Expansive Soil with Industrial Wastes Kota Stone Slurry and Stone Dust
05	203	Composite cementitious materials developed from one-part activation technique
06	262	Inflow Forecasting for a Flood-Prone Reservoir in India Using a Conceptual Hydrologic Model
07	305	A successful climate adaptation case study of converting a climate risk to climate gain by roof top rainwater harvesting in hill town of Darjeeling, West Bengal
08	311	Exposure Profiling and Ecological Risk Framework for management of ECs in Indian environment
09	330	Phosphate removal from Secondary Treated Wastewater Using an Adsorbent Made from Insect Chitin Grown on Kitchen Waste and Applying Exhausted Adsorbent as a Slow-Release Fertilizer

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Day 2 – 08th February, 2025, 2025, Time: 11:30 PM – 01:00 PM

Session 12: Theme – Smart and Sustainable Cities, Venue: Hall-3

S.No.	Paper ID	Paper Title
01	13	Significance Of Transfer Facilities In The Success Of A Transit System: A Case Study Of Navi Mumbai Metro Line 1
02	30	Use of Dairy Wastewater in Concrete: A State-of-the-Art Review
03	36	Utilization of Natural Waste Ash as Partial Replacement of Cement in Concrete Structure: A Comprehensive Review
04	85	Statistical analysis of systematic differences in the calculated 2 pollutant concentrations of the models ECMWF/CAMS and 3 Polyphemus/ DLR
05	106	Assessment of Water Quality Parameters of Selected Water Bodies in Dhaka and Mymensingh, Bangladesh
06	107	The Prospect and Consumption of Wind Energy in Bangladesh: A Step Towards Energy Independence
07	138	Assessment of Water Quality and Environmental Impacts on the Shitalakshya and Brahmaputra Rivers in Bangladesh
08	171	Flood Inundation Mapping Using Multi-Source Remote Sensing and Deep Learning Techniques
09	177	Behavior of Ultra High-Performance Concrete Confined with Circular Titanium Alloy Ties
10	220	Integrating Proximal and Remote Sensing Techniques for Enhanced Agricultural Water Management: A Case Study in Bangladesh.
11	261	Fiber-Reinforced Polymers (FRP) Bar Bond Strength Prediction Using SHapley Additive explanations (SHAP)-Optimized Artificial Neural Networks (ANN)

Day 2 – 08th February, 2025, Time: 01:45 PM – 03:00 PM

Session 13: Theme – Innovative Engineering Solutions, Venue: Hall-1

S.No.	Paper ID	Paper Title
01	15	IoT Based Sewage Overflow Detection and Harmful Gas Monitoring System
02	16	Construction of Large Sized Road Under Bridges/ Underpasses on High Density- High Speed Routes with Innovative “Box Pushing with Modular Protection Plate Arrangement “with zero earth cushion under the track
03	71	Analysis Techniques for Road Traffic Crashes: A Comprehensive Review of Statistical Methods
04	97	Development of Innovative PVC Model to Evaluate the Severity of Pedestrian -Vehicle Conflicts at Congested Intersections in Chandigarh Smart City for the Achieving of SDG-2030 Targets
05	130	Indoor Positioning Using a Self-localizing Ultra-Wideband (UWB) System
06	145	Enhancing Water Security through Smart Rainwater Harvesting for Sustainable Development in India
07	157	Investigation of the Marshall properties of modified Bituminous mix using Nitrile Rubber and Phenolic Resin Powder
08	158	Predictive Modeling of Pavement Structural Capacity using Falling Weight Deflectometer Data
09	163	Crashworthiness of Thin Metallic Monolithic and Layered Tubes subjected to Low-velocity Impact
10	287	A S.W.O.T analysis on Monetization Institute for Land investment Economics with Novel Development (MILIEND) Concept
11	325	Simulating Urban Expansion Using Geospatial Techniques

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Day 2 – 08th February, 2025, Time: 01:45 PM – 03:00 PM

UG Event, Venue: Hall-2

S.No.	Team	Paper Title
01	Team 01	Flood Susceptibility
02	Team 02	Innovative Solutions for Sustainable Connectivity and Traffic Management in Modern Society
03	Team 03	Using simulation and survey-based approach to assess design, and performance of sewage treatment plants in Kashmir to enhance their treatment performance
04	Team 04	AI-Powered UAV Crop Diagnostics for Smart Cities of Tomorrow
05	Team 05	GIS-DRIVEN APPROACH FOR WASTEWATER MANAGEMENT IN VIZHINJAM AND SURROUNDING COASTAL AREAS
06	Team 06	Assessing the Impact of vehicle Speed on Pavement Deterioration and its Implications for Sustainable Urban Mobility in Smart Cities
07	Team 07	Advancements in Pavement Texture Analysis: From Sand Patch to Photogrammetric 3D Modeling
08	Team 08	Virtual Navigation
09	Team 09	Augmented reality in medical sector

Day 2 – 08th February, 2025, Time: 01:45 PM – 03:00 PM

Poster Session: Theme – Smart and Sustainable Cities, Venue: Hall-3

S.No.	Paper ID	Paper Title
01	17	Circular Economy and Sustainability in Construction and Demolition Waste Management
02	24	Evaluation of Soil Stabilization Using Copper Slag Composite with Incineration Bottom Ash in Loam Soil: A Review Paper
03	39	Self-Healing Concrete: A Review of New Era in Advance Construction Concrete and Future Prospects
04	51	Integrating Robotics in Civil Infrastructure Inspection: A Comprehensive Review of Mechanism Analysis and Innovations.
05	68	Dam Breach Analysis in Cascade of Dams Using GIS and Digital Mapping
06	81	Traffic Volume Analysis at Bhumkar Chowk: Identifying Patterns and Solutions for Congestion
07	84	Durability of Nano Titanium Dioxide Mortars: A Perfunctory Review
08	116	Effect of Silica Fume and Sugarcane bagasse Ash on the Properties of Eco friendly Ultra-High-Performance Concrete
09	140	An experimental investigation of N-Choe of Chandigarh region to mitigate the problem of flooding and water drainage in the city.
10	182	Strengthening Disaster Management and Safeguarding Critical Infrastructure Against Landslide Risks: Case study-based review
11	191	Greenhouse Gas Emissions from Water Resources: A Comprehensive Review of Measurement and Mitigation Strategies
12	193	NON-MOTORISED TRANSPORT(NMT) CHALLENGES IN INDIAN CITIES
13	194	An Empirical Study on B2C Freight Trip Generation from Courier Express and Parcel Establishments in India
14	224	Innovative Approaches in the Construction of Cable-Stayed Bridges
15	238	Analysis of Climatic Conditions, Topographical Features and Index Stack of Kullu District, Himachal Pradesh, India Using GIS Tool - A Recent Study
16	252	EXPLORING WASTAGE IN POST TENSIONING SYSTEM: FOUNDATION FOR FUTURE RESEARCH IN MINIMISING GRIPPING LENGTH WASTAGE
17	266	POTHOLE DETECTION AND MATERIAL ESTIMATION USING MACHINE LEARNING
18	276	REVIEW ON SOIL STABILIZATION USING JUTE FIBER
19	302	Landfill Mining and Waste Management: Challenges, Opportunities, and Innovations
20	318	Diagrid Structural System: Literature Review

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Day 3 – 09th February, 2025, Time: 10:00 AM – 11:15 AM
Session 14: Theme – Geo-Environmental Applications, Venue: Hall-1

S.No.	Paper ID	Paper Title
01	34	Evaluating LULC and LST dynamics in hill city of Shimla, India (1991-2021) Using Landsat Satellite Imagery
02	47	Shear Strength Characterization of Incinerated MSW Ash for Liner Applications
03	76	A Study of Compaction Characteristics of Expansive Soil Blended with Egg Shell Powder
04	139	Sustainable and Ecofriendly Binder Ground Granulated Blast Furnace Slag as a Replacement of Cement for Geotechnical Applications
05	159	A Comprehensive Review of Phosphogypsum as a Sustainable Stabiliser for Liquefaction Mitigation in Sandy Soils
06	234	Microplastics Contamination: Sources, Degradation and Environmental Impacts-A Geo-environmental Perspective
07	278	Eco-Friendly Soil Stabilization: Sustainable Use of Fly Ash and Lime for Clayey Soil Improvement
08	291	BLACK COTTON SOIL STABILIZATION USING EGG SHELL POWDER, MARBLE DUST POWDER AND FLY ASH
09	292	BLACK COTTON SOIL STABILIZATION USING CRUSHED WASTE GLASS AND WASTE FOUNDRY SAND

Day 3 – 09th February, 2025, Time: 10:00 AM – 11:15 AM
Session 15: Theme – Innovative Engineering Solutions, Venue: Hall-2

S.No.	Paper ID	Paper Title
01	10	Investigation of the flow dynamics surrounding square and circular cylindrical piers with different gap ratios using RANS and LES numerical model
02	72	Preliminary Analysis of Q-Commerce Operations Using Drones for Last-Mile Delivery for Indian Cities
03	112	Comparative Study of External Bars used for Strengthening of RC Beam-Column Joint by using Finite Element Analysis
04	233	Optimization of concrete mix design for compressive strength using machine learning.
05	246	Affordable Pavement Condition Assessment Using OBD Sensor and Smartphone for Smart Cities
06	270	Advancements in Pavement Texture Analysis: From Sand Patch to Photogrammetric 3D Modeling
07	281	Ensuring Structural Integrity in Smart Cities: Advanced Concrete Crack Detection with YOLOv8
08	283	Evaluating Deflection Bowl parameters from Falling weight deflectometer Data
09	293	A Comprehensive Review of KPI That Affecting Time Optimization in Residential Construction Project
10	316	Airport Pavement Condition Analysis and Application of Machine Learning for Comparison of Estimated and Predicted PCI Values- A Case Study

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Day 3 – 09th February, 2025, Time: 10:00 AM – 11:15 AM
Session 16: Theme – Urban Planning and Development, Venue: Hall-3

S.No.	Paper ID	Paper Title
01	20	A DenseNet-LSTM Based Deep Learning Model for Understanding Land Degradation Susceptibility Over Ramnagar-Mughalsarai Planning Region of Varanasi, India: Towards Achieving Land Degradation Neutrality (SDG 13.3.1) at Local Level.
02	43	Comparative Analysis of Univariate and Multivariate Imputation Methods for Handling Missing Data in Long-Term Ambient Air Quality Monitoring
03	44	Sustainable Lightweight Green Roofs: Application of Agricultural Waste in Enhancing Water Retention and Vegetation Growth
04	62	Overview of various generations of Solar cell for smart cities
05	80	Planning for sustainable communities through urban design tools and techniques: A scoping study.
06	93	Dynamic Characterization of Urban Soils for Metro Infrastructure in Chandigarh and Mohali
07	149	Comparative Study Of A Truss Subjected To Wind Load Applied By Two Different Approaches
08	156	Effects of Firecrackers on Particulate Matter and Co-pollutant Gases during Diwali- A Case Study of Ahmedabad
09	285	Moving Towards Enhancement of Sustainability And Performance: Investigating Titanium Dioxide In Hot Mixed Bituminous Concrete With Waste Plastic Coating
10	322	A review on Implementing highway vehicles to infrastructure for crash data in highway safety in India

Day 3 – 09th February, 2025, Time: 11:45 AM – 01:00 PM
Session 17: Theme – Urban Planning and Development, Venue: Hall-1

S.No.	Paper ID	Paper Title
01	134	Sky View Factor Analysis for a Compact Self-Contained Urban University Campus: A Case Study of IIT Gandhinagar
02	153	Assessment of Carbon Neutrality and Campus Sustainability in Educational Institution Campus : Case Study of COEP Technological University
03	202	Assessment of Accident Risk Index Using the Trajectory Method on Smart City Roads: A Case Study of Bhopal
04	206	Use of demolished bricks in the sub base layer of pavement
05	214	Analyzing First Mile Transport Connectivity using Multinomial Choice Models: A Case Study of Bhopal
06	282	Enhancing Road Safety in School Zones: A Case Study of Pre-and Post-Implementation Measures in Guwahati City
07	296	A Review of Field Performance Evaluation of Stone Matrix Asphalt Pavements
08	326	Spatial Analysis and Forecasting of Land Use and Land Cover Changes in the Mumbai Metropolitan Region

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Session 18: Theme – Smart Constructions, Venue: Hall-2

S.No.	Paper ID	Paper Title
01	67	Sustainable use of mining waste generated during mining activities of natural stones as a construction and building material
02	117	Investigating The Optimum Amount of Groundnut Shell Ash Extracted from Uncontrolled Burning Used in Replacement of Cement For Sustainable Construction
03	169	Development of Ambient-cured Glass Fibre-based High Strength High Ductility Concrete
04	215	Analysis Of Earthquake-Resistant Building Designs Using ETABS Software That Compares Bracing and Shear Wall Systems
05	226	Porous Concrete in Pavement – A Review
06	247	Experimental Investigation on Behavior of Transparent Concrete Using Glass and Optical Fibers
07	298	“Sustainable Engineering through Biochar: A New Frontier for Eco-conscious Practices”
08	308	Influence of rice husk ash fineness on the fresh properties of self-compacting concrete
09	320	Utilization of Industrial Wastes in 3D Concrete Printing for Low Carbon Impact Construction

Day 3 – 09th February, 2025, Time: 11:45 AM – 01:00 PM

Session 19: Theme – Urban Mobility, Venue: Hall-3

S.No.	Paper ID	Paper Title
01	46	Understanding Pedestrian Safety: A Systematic Review of Perception-Based Studies
02	96	Development and Integration of Electric Vehicles Transportation for Urban Mobility in Smart Cities for the Achieving of SDG-2030 Targets
03	122	SAFETY EVALUATION IN THE VARIABLE SPEED LIMIT ENVIRONMENT: A CRITICAL SURVEY
04	147	Evaluation of Damping and Modulus due to Dynamic Displacements in Cohesionless Subgrade Geomaterial
05	166	Structural Reliability Assessment of Prestressed Concrete High Speed Railway Viaduct
06	178	Comparative Life Cycle Assessment of Fiber Reinforced Concrete Pavement and Jointed Plain Cement Concrete Pavement
07	185	Understanding commuter perception of their mode choices in dense urban areas