



The following papers have been accepted for presentation at CTSEM 2026.

Track: Transportation Planning

Paper ID	Paper Title
13	Integrating Geospatial and Other Technologies for Smart Transportation
15	Assessment for prioritizing factors influencing service quality of Intermediate Public Transport to metro Pune city
18	CBUS: An Integrated Real-Time Bus Tracking and Route Planning System
25	HTMLP: A Digital Highway Truck-Matching Logistics Platform for Decentralized, Low- Cost, and Real-Time Parcel Delivery
26	Smart Ryde: Smart Rural Transportation System the Future of Transportation in Rural Areas
39	AI-Driven Integrated Ticketing: Framework for Urban Mobility
48	Evaluating Willingness of Public Bus Commuters Regarding Inclusion of Additional Features to the Existing Transit Infrastructure
57	Perception-Driven Modelling of Road User Safety in Mixed Traffic Conditions within Transit-Oriented Precincts
58	Analyzing Bus Arrivals and their Impact on Passenger Waiting time for a Series of Bus Stop Using Agent Based Models
59	Behavioural Modelling for Parking Demand Management in Urban Areas: A Case of Nellore City
63	Effect of Fare Free Bus Service on Travel Behavior of Commuters in Bengaluru
74	Global Trends in Urban Parking Demand Modeling
76	Land-Use Driven Parking Demand: A Systematic Review
83	Analyzing reliability of bus service using Automatic Vehicle Location data
88	Estimating Final State of Charge of E-Buses: Machine Learning Techniques for Transit Routes in Delhi
89	Street Space Readiness Assessment for Micro-mobility Integration: A TOPSIS-based prioritization for urban Corridor in Pune
94	Behavioural Determinants of Electric Vehicle Usage Intention: A Structural Equation Modelling Approach
96	Enhancing Last-Mile Connectivity for MRTS Stations in Chennai through Integrated Feeder and Pedestrian Interventions
97	Assessment of Travel Demand in Chennai Metropolitan Area under Terminal Decentralisation
102	Station Criticality Assessment of Urban Metro Networks: A Multimodal Framework using Pune Metro as a Case Study

Paper ID	Paper Title
106	Temporal Distribution of Out-Of-Home Activities: Evidence from Working and Non-Working Individuals in Bengaluru
109	Modelling of Linear Sustainable Walkability Weighted Index for PEC University Green Campus for Achieving of SDG-2030 Targets
110	Comprehensive Urban Mobility Planning for Thiruvananthapuram Using GIS-based Multi-criteria Decision Analysis
116	Standardization of Survey Instrument for Taking Commuter's Perception and Willingness at the Interchange Hubs
117	Comparative analysis of Urban Travel Time Reliability across Public Transit and Motorized Transport Modes
119	Econometric and Descriptive Analysis of Charging Infra- structure and Operational Performance of Delhi E-Buses
123	Discrete Choice Modelling of Short Haul Intercity Travel: A Case Study of Chennai Corridors
126	Development of EV Policy Framework for Integrated Electric Vehicles (EV) Demand and Public Policy Forecasting for Chandigarh City Using Python Code and Machine Learning Models
129	An Integrated Practical Investigation Linking Land Use, Travel Behaviour, Driver Safety, and Geometric Design Consistency
130	Developing Wait Time Model for Public Transit
133	Pedestrian Volume Count Analysis and NMT Infrastructure Evaluation: Periyar Statue Junction, Dindigul
141	Quantifying Transportation Sustainability in Developing Economies: A Five-Pillar Framework for Data-Scarce Environments
150	Use of E-Scooters for First-Last Mile Connectivity: A Systematic Review of Travel Behaviour, Infrastructure, and Policy Implications
152	Development of a Composite Centrality Index for Cluster-Level Urban Road Networks: A Case Study of Hyderabad Metropolitan Area
154	Assessment of Urban Rail Transit Resilience under Short-Term Operational Disturbances: A System and Passenger Behavioral Analysis
158	Performance Evaluation of Linear Bus Routes Using Bootstrapped DEA and Stochastic Frontier Analysis
159	A Review of Crowd-Sourced Data Applications in Travel Demand Modeling
163	What drives the safety and security perception of women commuters during their first and last mile travel?
164	Impacts of 'Fare-free Bus travel for Females' on Activity Travel Behavior: A case of Hyderabad, Telangana, India
167	Prioritizing pedestrian perception on quality of pedestrian infrastructure in an Indian city
169	Assessing inequalities in travelers' exposure to air pollution in Delhi
174	A Data-Driven Analysis of Passenger Travel Patterns in Kochi Metro Using AFC Data
176	Assessment of System, Operation, and Infrastructure Attributes Influencing Public Electric Bicycle Sharing System through Experts' Opinion

Paper ID	Paper Title
177	Multi-Objective Robust Optimization for Q-Commerce Micro-Hub Planning under Congestion and Demand Uncertainty
179	Assessment of perceived accessibility of urban bus stops using GIS and passenger perception analysis
182	Spatial Analysis of Transportation Induced CO2 Emissions: Evaluating the Role of Land Use and Road Infrastructure in Bengaluru
199	Gender-Disaggregated Travel Behaviour Analysis in Dindigul: Evidence from Income, Occupation, Vehicle Ownership, and Household Dependency Dimensions of a CMP Household Survey
204	Bridging EIA Gaps for Inland Water Transport: A FAHP-TOPSIS Framework Integrating LCA and SEA Attributes
206	An Assessment of Women's Travel Decisions in Inland Water Transport Systems: A Multinomial Logit Analysis of Demographic and Accessibility Factors
211	Walkability Assessment Around Metro Stations for Transit Oriented Development Implementation
213	Role of Spatial Accessibility to Recreational Spaces as a Determinant of Urban Livability: A Case of Indore City
214	Quantifying Road-Mediated Urban Expansion in Tier-II Indian Cities Using Landscape Expansion Index and Road-Mediated Expansion Analysis
215	Data Driven Freight Trip Modeling: Evidence from Tier-II Indian City
220	Sustainable Public Transport Efficiency in Indian Million-Plus Cities: A Systematic Review and Analysis Using Passenger Kilometre Travelled (PKT) per Capita
221	Do Built Environment Factors Affect Household Trip Generation in tier II Indian City?
223	Travel Behaviour Analysis in Dindigul: Evidence from a CMP Household Travel Survey Across 171 Traffic Analysis Zones
228	A Cost-Effective and Efficient Procedure for Distance Measurement of Hotels and Estimating Influence of Detour on Pricing
229	Assessing Spatial Inequality in Accessibility to Essential Services: A Case of Nagpur City
234	Estimating the Price of Unpreparedness in Road Network Evacuations
238	Analysis of Commuters' Multimodal Transportation Choices and Its Impact on Travel Behaviour
240	Analysis of Tourist Travel Behaviour and Mode Choice Patterns in Public Transport Usage: A Pilot Study from Bodhgaya, India
242	Evaluating Automated Guided Vehicles in Material Handling Equipment: A Mixed-Methods Study of Performance and Adoption
243	Investigating Factors Determining the Choice of Park & Ride Facility Using Structural Equation Model - A Case Study of Kochi Metro Rail
245	Well-to-Wheel Impacts of Rail Freight: Evaluating Re-gional Impact on Indian Freight Transport
246	Evaluation of gender equity on public transportation: Post implementation of fare free public transport bus for women passenger's in Telangana, India
247	Evaluation of gender difference in perceptions affecting the quality of urban public transport Using Importance-Performance Analysis

Paper ID	Paper Title
248	Economic Evaluation of Multimodal Freight Transport in the Hinterland of Cochin Port
251	A Hybrid CRITIC-TOPSIS Framework for Assessing Bus Stop Infrastructure
252	Gender differences in public transport usage, travel behavior and subjective well-being in Warangal city
283	First and Last Mile Travel Mode Choice Among University Students and Young Adults: Evidence from Pune Metro, India
286	A Synergistic Approach Using Gradient Boosting and Traditional Models for Predicting Urban Travel Behaviour
288	Decoding Urban Transit Satisfaction: A Statistical Analysis of Bus Rapid Transit System Performance in Ahmedabad Using a Composite Service Quality Index
291	Establishment Based Urban Freight Trip Generation Rates: Case Study of Visakhapatnam, India
293	Understanding Tourist Travel Behavior in the Usage of Public Transport: A Study of OD Patterns, Mode Usage and Intra-City Mobility in Udaipur, Rajasthan
295	Impacts of Adaptive Travel Behavior under Recurring Disruptions on Urban Road Networks
297	Queue Length Prediction Using Machine Learning Techniques under Mixed Traffic Conditions

Track: Traffic Engineering and Safety

Paper ID	Paper Title
10	Influence of Driver's Demographics on Reaction Time: A Vienna Test Setup Study
16	Effect of Exhaust Discharge Direction on Human Exposure in Urban Two-Wheeler Traffic
19	Diagnostic Analysis of Road Geometric Deficiencies and their Correlation with Accident Patterns in Ahmedabad's Urban Corridors
23	Statistical Analysis of Pavement Deterioration Near Traffic Calming Measures: A Case Study of Adama to Asella Road
35	Modelling the Impact of Mobile Phone Usage and Delivery Time Pressure on Last Mile Delivery Workers
40	Road Crash Prediction Methods: A Structured Review and Comparative Analysis of Statistical, Machine Learning, and Hybrid Approaches
41	Performance Evaluation of Chicanes as Traffic Calming Measure on One-Way and Two-Way Roads
47	Data-Driven Analysis of Risky Riding Behaviors and Crash Involvement among Powered Two-Wheeler Riders
50	Driver Aberrant Behaviour Prediction using Gaze Tracking
55	Evaluation of Speed Profiles in Weaving and Non-Weaving Sections of Urban Roundabouts
56	Microsimulation Weaving Analysis of Vehicle Speed Behavior near Flyovers in Mixed Traffic Conditions

60	Proactive Identification of High-Risk Road Sections using a Multi-Criteria Framework Integrating Safety Audit, iRAP, LOS, and Resilience Indicators
61	Microsimulation Analysis of How Pedestrian Density Affects Vehicular Flow in Mixed Traffic Conditions in India.
62	ADAS in the Indian Context: Evaluating Effectiveness of the Lane Departure Warning System under Real-World Traffic Conditions
64	Bio-Kinematic Fusion and Stabilized Computer Vision for Robust Driver Behaviour Monitoring in Mixed Traffic Conditions
65	ACT-based Crash Risk Analysis in Highway Work Zones in Mixed Traffic Conditions
66	A Vision-Based Multimodal Approach for Driver Drowsiness Detection Using Pupil Diameter Variations and Karolinska Sleepiness Scale (KSS)
69	Public perception on causes of in-vehicle driver distraction
70	A Study on Analysing the Filtering Behaviour of Motorised Two-Wheelers on Vertical Curves along Urban Arterials under Lane Indiscipline Traffic Scenarios
75	Investigating Risk Factors Affecting Injury Severity of Crashes on Expressways in India: A Random Parameters Logit with Heterogeneity in Means Approach
78	Development of Pedestrian Gap Acceptance and Crossing Speed Models at Un-Controlled Mid-Blocks
79	Optimizing T-Intersection: IRC Warrant Analysis and Integrated Redesign
92	Experimental Validation of High-Fidelity Simulator-Based Driver Assessment Against Real-World Performance: A Study on Indian Road Conditions
93	Evaluating YOLOv8 Models for Real-Time Traffic Analysis: A Comparative Approach
100	Vision-Based Adaptive Signal Control for Heterogeneous Traffic Using Deep Learning
101	Machine Learning-Based Modeling of Operating Speed on Horizontal Curves in Rural Highways
115	Capacity Enhancement and Travel Time Reduction at a Signalized Intersection Using Deep Q-Network-Based Adaptive Signal Control
118	Fuzzy Logic Based Identification of Dilemma Zone Boundaries and Driver Decision Behaviour at Signalised Intersections
120	A Comprehensive Approach to Road Safety at a Staggered Five-Legged Roundabout: A Case Study
136	Simulation-Based Optimization of Urban Intersection Performance: Analysis of delay and CO ₂ emissions
142	Comprehensive Assessment of Transverse Rumble Strip Performance Using Field Data and Predictive Analytics
147	Pedestrians Red-light Violation and Safety Assessment at Signalized Intersections in Indian Traffic Scenario
148	Trajectory-Based Safety Evaluation of Signalized Y-Intersections Using Surrogate Safety Measures
155	Impact of Side Friction on Traffic Flow Dynamics: A Case Study of Urban Arterials in Patna

156	Evaluation of Surrogate Safety Measures and Signal Control Design at an Urban Unsignalized Intersection Using Microsimulation
157	Particulate Matter Exposure and Health Risks among School-Going Children in Patna
161	A Case Study of Merging, Diverging, and Lane Changing Behaviour on Highway Weaving Area in Lane Indiscipline Traffic Conditions
166	Analysis of Vehicle Following Behavior and Crash Risk in Urban Roads under Lane-Indiscipline Mixed-Traffic Conditions
181	A comparative crash severity analysis using statistical and machine learning models on Delhi-Mumbai Expressway
184	Dynamic Video Based Traffic Violation Detection Using YOLOv8 with Ego Motion Compensation and Multi Object Tracking
187	Development and validation of Low-Cost Game Engine–Based Car Driving Simulator integrated with Microscopic Traffic Simulation: Challenges and Lessons Learned
192	Estimation of Observation and Entrance Angles for Traffic Signs: An Analytical Approach
193	Impact of Channelisers on Safety of Forced Gap Behaviour at Unsignalized Intersections: An Empirical and Simulation-Based Analysis
194	Monte Carlo optimisation based calibration of SUMO for Indian traffic conditions
195	Predicting and Analysing Crash Severity on Expressway to Enhance Road Safety: A ML Approach
197	Quantifying Inter-Driver Heterogeneity using Individual-Level Calibration of the Two-Fluid Model
198	Impact of Introducing a Segregated Motorized Two-Wheeler Lane on Traffic Flow Operations at an Urban Arterial Corridor Using Micro-Simulation
200	Revealing the Critical Risks: A Comprehensive Analysis of Crash Severity and Safety Factors on the Yamuna Expressway
201	Towards Reliable UAV-Based Traffic Surveillance and Analysis in Indian Road Networks
203	Evaluation of Driving Behaviour Using Surrogate Risk Indicators under Mixed Urban Traffic Conditions
205	Driver Behaviour Analysis of Two-Wheelers Using Artificial Intelligence: A Review
207	Blackspot Analysis and Economic Impact of Road Accidents: A Study on MC Road Corridor
208	A Multi-Criteria Spatial Accessibility Analysis of Healthcare Services in Rural Hapur District Using 3SFCA-AHP Framework.
216	Assessment and Predictive Modelling of Traffic Noise in Bhopal City, India
218	Impact of Side Friction on Midblock Congestion and Traffic Performance in Urban Ar-eas: A Regression and ANN-Based Case Study
222	Performance Evaluation of Unsignalized and Signalized Control under Heterogenous Traffic Conditions
224	Assessment of Road User Behavior on Two Lane Undivided Highways

225	Safety Analysis of Critical Time Parameters in Overtaking Manoeuvres Using Hybrid Modeling Approaches
231	Effect of posted speed limit on speed reduction on rural highways NH 44 Kurnool and NH 48 Vellore a case study
236	Driver Behavior Heterogeneity in Mixed Traffic: Multi-Class Analysis of Speed, Aggressiveness, and Volatility Using Vehicle Kinematics and Sociodemographic Factors
237	A Multidimensional Analysis of Factors Contributing to Road Accidents
241	Traffic Congestion Prediction using Machine Learning Approaches
244	Understanding Child Pedestrian Distraction Behavior: A Quantitative Survey Study
250	Comparison of Machine Learning Models using Combined Surrogate Safety Measures for Curved Road Sections
254	Formulation of Speed Management Policy for Improving Road Safety: A Case Study from West Bengal, India
255	Behavioural Adaptation of Powered Two-Wheeler Riders to Advance Pothole Alerts: A Naturalistic Riding Study
256	Influence of Daytime and Night-time Lighting Conditions and Road Surface Irregularities on Two-Wheeler Rider Behaviour: An Integrated Eye-Tracking and Kinematic Analysis
259	A Perception-Based Framework for Roundabout Safety Analysis under Mixed Traffic Scenarios using Association Rule Mining
260	Design and Development of Virtual Reality Application to Enhance Road Safety Behaviour of School Children
261	An Integrated UAV and V-Box Assessment of Operational Deficiencies at a High-Demand Unsignalized Intersection under Heterogeneous Traffic Conditions
262	Distinguishing Driving Behaviour Leveraging Human Oddity and Vehicle Telematic Data: An Indian Corroborative Study
263	Assessment and Predictive Modelling of Skid Resistance (BPN) Using British Pendulum Tester: A Field Study on Pavement Surfaces at MANIT, Bhopal, India
264	Understanding Risk Perception Variability Among Indian Drivers Across Different Speed Limits in Mixed Traffic
266	Impact of Road Marking–Based Safety Intervention on Crash Frequency, Severity, and Characteristics: A Before–After Study
268	Effect of Road Geometry on Heart Rate Variability of Driver: A Case of Expressway
270	Comparison of Selected Car Following Models under Mixed Traffic Conditions
271	Driver Behavioral Analysis on Level-2 ADAS under Naturalistic Indian Mixed-Traffic Conditions: A Stealth to Active Human Factors Evaluation
273	Multi-feature Driver Alertness Detection using Facial Expressions
274	Real-Time Detection of Driver Drowsiness and Distraction Through Upper Body Kinematics: Neck Posture and Shoulder Asymmetry Analysis
275	Network-Level Mobility Assessment under Heterogeneous Urban Traffic Conditions Using UAV Assisted Simulation and MFD Analysis

279	Development of Representative Driving Cycle and Estimation of Energy Consumption for Electric Buses
284	Non-Parametric Analysis of Driver Reaction Time Using the Vienna Testing System under Mixed Traffic Conditions
285	Transformer-Based Multi-Step Vehicle-Level Traffic Speed Prediction Using UAV Trajectory Data Under Heterogeneous Traffic Conditions
287	Development of A Methodology to Identify Leader-Follower Pair on Horizontal Curves under Heterogeneous Traffic Conditions
292	Probe-Based Travel Time Prediction Using Ensemble Learning Methods
294	From Perception to Action: Behavioural Insights into Pedestrian Crossing at Unsignalized Intersections in India
298	Auditory Detectability of Electric Two-Wheelers in Pedestrian Interactions
301	Impact of Group Dynamics in Religious Gathering Buildings: A Simulation-Based Study
303	Prioritizing Motorised Two-Wheeler Safety Strategies in Mixed Traffic Conditions: A TOPSIS-based multi-criteria approach
305	Spatial Variation in Traffic Law Violations across Indian States
306	Data driven approaches for conflict distance prediction at signalized Y intersections
308	To examine the road user involvement in road safety management

Track: Pavement Technology

Paper ID	Paper Title
9	Effectiveness of Hybrid Cementitious Composites Reinforced with Polypropylene Fibers and Treated Corn Straw
17	High-RAP Dense Bituminous Macadam Mixtures: A Critical Review of Material Characterization, Mix Design Frameworks, and Long-Term Pavement Performance.
20	Improvement of expansive soil and evaluating the stresses with different admixtures
21	COMPARATIVE ANALYSIS OF PSC, PPC AND HVFA MIXES WITH CONVENTIONAL OPC
22	The 4E Multi-Criteria Framework: Balancing Engineering Needs with Economic, Environmental and Enforcement Goals in Transport
27	Influence of Tire Pressure and Footprint on Flexible Pavement Response Based on Mechanistic-Empirical Study
29	ENHANCING CLIMATE RESILIENCE OF RIGID AND FLEXIBLE PAVEMENTS OVER SOFT SOIL SUBGRADES USING GEOGRID REINFORCEMENT: A FINITE ELEMENT STUDY
30	Sustainable Valorization of Reclaimed Asphalt Pavement in Dense Bituminous Macadam: Performance, Durability, and Circular Economy Implications.
36	Experimental Investigation of Footstep-Induced Energy Generation Using Piezoelectric Pavement Tiles

37	Experimental Investigation on Cement Grouted Bituminous Mix Using Stone Dust and Rice Husk Ash
42	Performance Evaluation of Pervious Concrete Using Natural Coarse Aggregate Through Durability and Life Cycle Assessment
46	Performance Evaluation of Semi-Flexible Pavement Using Industrial By-Products
49	Mechanistic Evaluation of Corner Stress and Load Transfer in Thin Whitetopping Using Multi-Panel Finite Element Modelling
51	Laboratory Investigation of Cement Concrete Characteristics Using Rice Husk Ash and Waste Concrete Aggregate for Rigid Pavement.
53	Field Implementation and Evaluation of Full Depth Reclaimed Bases Treated with Cement and Silica-rich Additive
54	Characterization of Bituminous Mixes through Pattern Recognition
71	Development of Probabilistic Model for Predicting Pavement Condition Index of National Highways
72	Effect of Chitosan-Based Metal–Organic Framework on the Physical Properties of Asphalt Binder
73	Quantifying the influence of Traffic, Climate, and Structural Variables on Pavement Roughness Characteristics: An MLR-Based Analysis of LTPP Field Data
77	Effect of Mineral Fillers and Anti-Aging Additives on Conventional Properties of VG-30 Bitumen
81	EXPERIMENTAL INVESTIGATION OF SODIUM LIGNOSULFONATE-MODIFIED CEMENT GROUTED BITUMINOUS MIX FOR SEMI-FLEXIBLE PAVEMENT APPLICATIONS
84	Interfacial Characteristics of Bamboo Mats with Cohesionless Infills
85	INFLUENCE OF ALUMINIUM FOIL POWDER ON PENETRATION AND SOFTENING POINT OF ASPHALT BINDER
86	THE RISING AMOUNT OF WASTE MATERIALS IN PAVEMENT CONSTRUCTION
87	Performance Enhancement and CO ₂ Sequestration Potential of Carbonated Steel Slag as a Sustainable Aggregate Substitute in Bituminous Mixes
95	Performance Enhancement of Semi-Flexible Pavements via Optimized Cementitious Grout Mixes
98	Characterization of Bonding and Debonding Mechanisms in Textile Pyrolysis Oil Modified Bitumen Using Surface Free Energy Method
99	Optimization of Aggregate Gradation for Enhanced Strength and Permeability in Porous Bituminous Mixtures
111	High-Performance Concrete Paver Blocks Using Iron Powder. An Experimental Study
112	Field Performance Analysis of Micro-surfacing in Bituminous Surfaced Road Networks
113	PERFORMANCE EVALUATION OF PERVIOUS CONCRETE USING RECYCLED AGGREGATE
114	Ground and Tunnel Deformation in Twin Circular Tunnels: A Parametric Study

122	Induction Furnace Slag as Aggregate in Bituminous Pavement Construction: Physicochemical Characterization
124	Comparative Assessment of Moisture-Induced Damage in Flexible Pavement Surface Mixes under Varied Environmental Conditions
125	Experimental Investigation on the Feasibility of Coir Polymer Composites for Sustainable Pavement Applications
127	LABORATORY INVESTIGATION ON THE MECHANICAL PROPERTIES OF BITUMINOUS MIX USING CRMB RUBBER MODIFIED BITUMEN
128	Performance Evaluation of Hot Mix Asphalt Incorporating Bio-Rejuvenated Reclaimed Asphalt Pavement (RAP)
131	Synergistic Effect of Fly Ash and E-Waste Non-Metallic PCB Powder on the Performance of Blended Cement Concrete
132	Experimental Evaluation of Fatigue Performance of Rejuvenated RAP Binders
138	Numerical Investigation of Interaction Between Tunnel and Slope; A Parametric Study by Varying Tunnel Location and Slope Angle
144	Performance and Cost Evaluation of Geogrid-Reinforced Flexible Pavement Using IRC 37:2018: A DPR-Based Case Study from Gujarat, India
146	Optimising Chemical Stabiliser Dosage for Enhanced Performance of Stabilised Pavement Base Layers
149	Mechanical Properties and Moisture Resistance of Bituminous Mixes incorporating Nano Clay and Basalt Fibre
151	An Experimental Analysis on Partial Replacement of Cement by Marble Powder and Natural Sand by M-Sand in PQC
162	Machine Learning-Based Structural Evaluation of Flexible Pavements Using FWD Deflection Basin Parameters
165	Electrochemical Impedance Spectroscopy for the Assessment of Mechanical and Microstructural Properties of Cement Stabilized Full Depth Reclamation (FDR) Mixes
170	Performance Evaluation of Glass Fiber Reinforced Pavement Quality Concrete: Strength Assessment
171	PVI Considerations in Design, Construction, and Maintenance of Pavements
172	Rut Depth Potential of Flexible Pavement Laid over Fiber Reinforced Sandy Subgrade
175	Engineering Evaluation and Optimization of Agro-HDPE Biochar for High Performance Binder
178	Effect of Mix Ingredients on Strength of Hammer-Compacted Dry Lean Concrete
183	Effect of Rice Straw Biochar on the Physical and Rheological Behaviour of Bituminous Binder
185	Experimental Study on Coir Fiber Reinforced Bituminous Concrete
186	Limestone Calcined Clay Cement in Sustainable Bridge Construction: A Review
188	Performance Evaluation of Cellulose Fiber Pellets (Petrocel) in Stone Matrix Asphalt Mixes
189	Characterization of Agro-HDPE Biochar for Bituminous Binder- A Waste-to-Value Approach

190	Effective Utilization of Construction and Demolition Waste with different types of fiber for Sustainable pavement material
196	Improving Subgrade Performance of Black Cotton Soil Using UV-C Treated Crumb Rubber
202	Assessment of Structural Performance for Stabilized Low Volume Roads in Kerala
209	Physical and Rheological Characterization of Lignin-Tyre Pyrolysis Oil Modified VG30 Bitumen for Sustainable Pavement Applications
210	A Review on Aging, Rejuvenation, and Performance of Reclaimed Asphalt Binders for Sustainable Binder Utilization
217	Asphalt Binder Selection for Future Indian Climatic Conditions Using Pavement Temperature Prediction Model
230	Strength Assessment of Fly Ash-Based Artificial Aggregates for Sustainable Pavements
232	Influence of parent concrete grade on the internal curing potential of fine recycled concrete aggregates in rigid pavements
258	Pavement Distress Evaluation using LIDAR Technology
272	Exploring the Potential of Reclaimed Aggregates from Reclaimed Asphalt Pavements (RAP) for Pothole Patching in Vellore – A Case Study
278	Comparative Analysis of Hybrid ANN Optimization Models for Predicting Fiber Reinforced Geopolymer Concrete Compressive Strength
280	Rheological Evaluation of Hybrid Waste Glass–Plastic Modified Asphalt Binder
289	Influence of Copper and Zinc Tailings on the Geotechnical Behavior of Black Clayey Soil
290	Influence of LDPE and HDPE Modified Binders on the Performance of Porous Asphalt Mixtures
296	Multi-Scale Performance Characterization of Sasobit and Waste Cooking Oil Modified PMB and VG Binders for Sustainable Warm Mix Asphalt Applications
304	Field Assessment and Machine Learning-Based Prediction of Transverse Cracking in Urban Rigid Pavements
309	Strength Performance of Sustainable Artificial Fly Ash Coarse Aggregates for Rigid Pavement Applications

Track: Other Applications in Transportation Engineering

Paper ID	Paper Title
11	Naturalistic Driving Data based Machine Learning Classification of Safe and Unsafe Driving: ML-DRIVE
14	Modeling Heterogeneous Bidirectional Pedestrian Dynamics on Railway Foot Over Bridges Using a Three-Dimensional Cellular Automata Framework
24	Edge-Intelligent CAN-IoT Architecture for Real-Time Electric Vehicle Battery Parameter Monitoring with Anomaly Detection and Thermal Management
31	Smart Traffic Management System for Urban Congestion

52	Critical review of transport budget analysis of Urban Local Bodies and fund allocation to Non-Motorized Transport (NMT) infrastructure in Indian cities
103	Development of a GIS-Integrated Traffic Diversion Framework during Construction of Metro through Traffic Simulation and Level of Service Analysis
104	Driving Range Prediction of Electric Vehicles under Indian Driving Conditions using Ensemble Machine Learning
105	Identification of Key Attributes for Promoting Electric Autorickshaw in Urban Areas: An Application of AHP-FCE Approach
107	Prediction of Aging-Related Rheological Behaviour of Pyrolysis Oil Asphalt Using Machine Learning Techniques
140	Classified Vehicle Volume Using Deep Learning
168	Literature review on sustainable financing for non-motorized transport infrastructure
180	Directional Effects of Near-Fault Ground Motions on Elastic Highway Bridge Pier Response
191	Assessment of Urban Road Using HDM-4 and AI – Tool for Effective Maintenance of Pavement Surface
219	Understanding Electric Vehicle Choice Behavior in Delhi: A Mixed Logit Model Approach for Light Commercial Vehicles
227	Assessment of Traffic Noise Characteristics Across Different Road Geometries in an Urban Mid-Sized City: A Case Study of Bhopal, India
239	Constructing District-Level Multi-Regional Input-Output Tables: A Structural Comparison of Gravity- and Entropy-Based Interregionalization
249	Two-Stage Time-Topological Optimization for Demand-Responsive Feeder Transit Design on Arterial Networks
265	Bridging Raw GPS Data and Mobility Intelligence: A Trajectory Refinement Approach for Railway User Detection
267	Deep Learning Based Automated Helmet Violation Detection for Two-Wheeler Riders
276	From Registration to Road: Estimating Active Fleet Composition, Travel Intensity, and Exhaust Emissions in an Indian Metropolis Using Survival Analysis
277	Ensembling of deep learning neural network models for strength prediction of ternary blended OPC concrete
281	Evaluation of Spatiotemporal Urban Expansion of Kozhikode District and Its Interaction with Road Networks
299	Key Management Principles for BIM-enabled Transportation Infrastructure Delivery: Evidence from Metro-Rail Megaprojects
300	A Risk-based Methodology for Prioritizing Road Network Maintenance
307	Dynamic Line-Based Turning Movement Count Using YOLOv8 and Deep SORT for Traffic Analysis
310	Operational GHG Mitigation Potential of the Delhi–Ahmedabad High-Speed Rail Corridor: A Multi-Mode Interval Analysis
311	Bi-Objective Optimization of Electric Vehicle Charging Station Siting Using Efficient Sparse Search-Based Evolutionary Algorithm

312	Visual Attention and Driving Behaviour Under Simulated and Real-World Scenarios using Within Subjects Eye Tracker Design
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