



12th International Conference on Transportation Systems Engineering and Management (CTSEM 2026)



Department of Civil Engineering, Mahindra University, Hyderabad

Day 1 JULY 17, 2026 (FRIDAY)					
TIME	SESSION				VENUE
08:30 - 09:30 hrs	Registration				Auditorium Lobby
09:30 - 10:15 hrs	Inaugural Ceremony				Auditorium
10:15 - 10:45 hrs	Keynote Session – I	Keynote Speaker: Prof. Srinivas S. Pulugurtha Chair and Professor of Civil Engineering, The University of Mississippi, USA Title of the talk: Transforming Mobility with Automation and Connectivity: Insights from Data, Fusion and Analytics for Tomorrow			Auditorium
10:45 - 11:15 hrs	Keynote Session – II	Keynote Speaker: Mr. Bidur Kant Jha Director, New Technology for Highway Development, MoRT&H, Government of India Title of the talk: Advancing Self-Reliant Technologies for Sustainable Transport Infrastructure			
11:15 - 11:30 hrs	High Tea				Courtyard
	Exhibition Visit				
	Track	Paper IDs	Title	Authors	
Parallel Technical Sessions- I 11:30 - 13:00 hrs	Theme I: Transportation Planning	Session Chairs: Dr Vasudevan N., NATPAC and Dr. Raguram Kadali, NIT Warangal			CR-1
		159	A Review of Crowd-Sourced Data Applications in Travel Demand Modeling	Pooja KM and Archak Mittal	
		177	Multi-Objective Robust Optimization for Q-Commerce Micro-Hub Planning under Congestion and Demand Uncertainty	Ish Kumar and Sonia Chauhan	
		182	Spatial Analysis of Transportation Induced CO2 Emissions: Evaluating the Role of Land Use and Road Infrastructure in Bengaluru	Gagan N and Harsha M Manjunath	
		214	Quantifying Road-Mediated Urban Expansion in Tier-II Indian Cities Using Landscape Expansion Index and Road-Mediated Expansion Analysis	Aditya Gujarkar and Pankaj Bahadure	
		221	Do Built Environment Factors Affect Household Trip Generation in Tier II Indian City?	Saumya Anand, Roopal Sirse, Shriya Pandey, Pritikana Das and Bivina GR	
		245	Well-to-Wheel Impacts of Rail Freight: Evaluating Regional Impact on Indian Freight Transport	Rahul Chouhan, Ayush Nagle, Lokesh Kumar Kalahasthi and Vinod Bhatia	
		295	Impacts of Adaptive Travel Behaviour under Recurring Disruptions on Urban Road Networks	G. S. Vishwas, Fathima Zarina and B. K. Bhavathrathan	



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Theme II: Traffic Engineering & Safety	Session Chairs: Dr. Harikrishna M, NIT Calicut & Mr. Abhishek Chakraborty., CSIR-CRRI			CR-2
	56	Microsimulation Weaving Analysis of Vehicle Speed Behavior near Flyovers in Mixed Traffic Conditions	Bhavya Shri N and Vivek R Das	
	70	A Study on Analysing the Filtering Behaviour of Motorised Two-Wheelers on Vertical Curves along Urban Arterials under Lane Indiscipline Traffic Scenarios	Kavya Priya and Arpita Saha	
	115	Capacity Enhancement and Travel Time Reduction at a Signalized Intersection Using Deep Q-Network-Based Adaptive Signal Control	Gopidesi Venkatesh, Kayitha Ravinder and SSSV Gopala Raju	
	201	Towards Reliable UAV-Based Traffic Surveillance and Analysis in Indian Road Networks	Vatsal Prajapati, Harshal Dave, Vishal Patel and Shrinivas Arkatkar	
	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	Akhil Parisiboina, Samuel Peter Chadalavada and S V Subbarao Saladi	
	275	Network-Level Mobility Assessment under Heterogeneous Urban Traffic Conditions Using UAV-Assisted Simulation and MFD Analysis	Raghu Ram Gatla, Rajesh Chouhan, and Ashish Dhamaniya	
	285	Transformer-Based Multi-Step Vehicle-Level Traffic Speed Prediction Using UAV Trajectory Data Under Heterogeneous Traffic Conditions	Hari Kiran Silveri, Vineet Jain and Ashish Dhamaniya	
Theme III: Pavement Technology	Invited Talk: Prof. Umashankar B, Department of Civil Engineering, IIT Hyderabad Title of the talk: Cement and Additive-Treated Recycled Concrete Aggregates (RCA) as a Sustainable Pavement Base Material			CR-4
	Session Chairs: Dr. M. Sivakumar, NIT Calicut and Mr. T. Someswararao, EGIS Technologies			
	54	Characterization of Bituminous Mixes through Pattern Recognition	M. A. Jayaram and Rakshitha M K	
	77	Effect of Mineral Fillers and Anti-Aging Additives on Conventional Properties of VG-30 Bitumen	Harshavardhan Bante, Muttana S. Balreddy and S. Tejeshwini	
	99	Optimization of Aggregate Gradation for Enhanced Strength and Permeability in Porous Bituminous Mixtures	Deepchand Gundapaneni, Revathi Nathani, Durga Prasad Ponnada, Venkaiah Chowdary and Shankar S.	
	111	High-Performance Concrete Paver Blocks Using Iron Powder. An Experimental Study	Janumpally Katyayani, Arunesh Unnithan and Greegar George	
	124	Comparative Assessment of Moisture-Induced Damage in Flexible Pavement Surface Mixes under Varied Environmental Conditions	K. C. Wilson, M. Satyakumar and K. R. Sukanya	



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		185	Characterization of Coir Fibre Reinforced Stone Mastic Asphalt Mixtures	Swathy Saji, Mukilkrishna U S, Alen Alex and Nithin Jacob John		
		196	Improving Subgrade Performance of Black Cotton Soil Using UV-C Treated Crumb Rubber	Manjeeri Prashant Nehare, Akash Anil Kolate, and Sita Rami Reddy		
	Theme IV: Other Applications in Transportation Engineering	Session Chairs: Dr. Sadguna Nuli, Anurag University & Dr A V A Bharat Kumar, Vignans Foundation for Science, Technology and Research			CR-5	
		14	Modeling Heterogeneous Bidirectional Pedestrian Dynamics on Railway Foot Over Bridges Using a Three-Dimensional Cellular Automata Framework			Suprabeet Datta, Manoj Kumar Biswal, Reetanjali Nanda, Niyati Nayak and Supriya Marik
		105	Identification of Key Attributes for Promoting Electric Autorickshaw in Urban Areas: An Application of AHP-FCE Approach			Rohit Kumar and Debasis Basu
		180	Directional Effects of Near-Fault Ground Motions on Elastic Highway Bridge Pier Response			Chaitanya Bhargav Nerella and Jayaprakash Vemuri
		219	Understanding Electric Vehicle Choice Behavior in Delhi: A Mixed Logit Model Approach for Light Commercial Vehicles			Abhishek, Lokesh Kumar Kalahasthi, Apoorv Shukla and Ramesh Ch. Majhi
		239	Constructing District-Level Multi-Regional Input-Output Tables: A Structural Comparison of Gravity- and Entropy-Based Inter-regionalization			Gummadi Srinivasulu Rohith Sagar and B Raghuram Kadali
		300	A Risk-based Methodology for Prioritizing Road Network Maintenance			Suthraye Sreelekha and K. Nitheesh
13:00 - 13:45 hrs	Networking Lunch				Dining Hall	
	Track	Paper IDs	Title	Authors		
Parallel Technical Sessions – II 13:45 – 15:15 hrs	Theme I: Transportation Planning	Invited Talk: Prof. Naveen Yeluru, Professor, University of Central Florida Title of the talk: Econometric data fusion approaches for utilizing disparate data sources for transportation planning applications			CR-1	
		Session Chairs: Prof. Naveen Yeluru, University of Central Florida & Dr. Vikram Singh, CSIR-CRRI				
		102	Station Criticality Assessment of Urban Metro Networks: A Multimodal Framework using Pune Metro as a Case Study	Aditya Singh and Arati Petkar		
		119	Econometric and Descriptive Analysis of Charging Infrastructure and Operational Performance of Delhi E-Buses	Misna, Ramesh Chandra Majhi and Akarshan Jangral		



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		141	Quantifying Transportation Sustainability in Developing Economies: A Five-Pillar Framework for Data-Scarce Environments	Anil Maan, Ravindra Kumar and Rajeev Kumar Mishra	
		176	Assessment of System, Operation, and Infrastructure Attributes Influencing Public Electric Bicycle Sharing System through Experts' Opinion	Pooja Nalwade, Prasanta K Sahu, Ishant Sharma and Bandhan B. Majumdar	
		204	Bridging EIA Gaps for Inland Water Transport: A FAHP-TOPSIS Framework Integrating LCA and SEA Attributes	Nidhi Chauhan, K. Krishnamurthy, Yogeshwar V. Navandar and Bivina G. R.	
		251	A Hybrid CRITIC-TOPSIS Framework for Assessing Bus Stop Infrastructure	Rajesh Kumar Chaudhary and RB Sharmila	
	Track II: Traffic Engineering & Safety	Invited Talk: Dr. Digvijay Pawar, Department of Civil Engineering, IIT Hyderabad Title of the talk: Understanding the Mobility and Satisfaction Outcomes of Zero-Fare Bus Policies for Women in India			CR-2
		Session Chairs: Dr. Digvijay Pawar, IIT Hyderabad & Dr. Regulus Shallam, NIT Andhra Pradesh			
		61	Microsimulation Analysis of How Pedestrian Density Affects Vehicular Flow in Mixed Traffic Conditions in India.	Sangram Dhakne, Rupali Zope and Bhupati Kannur	
		216	Assessment and Predictive Modelling of Traffic Noise in Bhopal City, India	Ravi Kumar, Pritikana Das and Param Dev Tripathi	
		218	Impact of Side Friction on Midblock Congestion and Traffic Performance in Urban Areas: A Regression and ANN-Based Case Study	Param Dev Tripathi, Pritikana Das, Bivina G.R. and Ravi Kumar	
		261	An Integrated UAV and V-Box Assessment of Operational Deficiencies at a High- Demand Unsignalized Intersection under Heterogeneous Traffic Conditions	Dipesh Rajput and Ashish Dhamaniya	
	Theme III: Pavement Technology	Invited Talk: Prof. Rajib B. Mallick, University of Texas, El Paso Title of the talk: Education and Research in Transportation Infrastructure			CR-4
		Session Chairs: Dr. D. Sita Rami Reddy, VNIT Nagpur & Dr. Jegan Bharath Kumar, NATPAC			
		165	Electrochemical Impedance Spectroscopy for the Assessment of Mechanical and Microstructural Properties of Cement Stabilized Full Depth Reclamation (FDR) Mixes	Lekshmi Jayakumar Subha, Rajib Basu Mallick, and Soheil Nazarian	
		188	Performance Evaluation of Cellulose Fiber Pellets (Petrocel) in Stone Matrix Asphalt Mixes	Amulya Raj, Pritikana Das and Siksha Swaroopa Kar	



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		313	Development and Performance Evaluation of Sustainable Bricks Made from Construction and Demolition Waste: A Quaternary Binder and Circular Economy Approach	Deekshitha Mamdekar, Sudharsan Narayanasamy and Nandika Srinivas Rao		
		314	Experimental Investigation on Sustainable Concrete Using Fly Ash, Granite Powder, and Sludge Waste as Partial Replacements for Cement and Fine Aggregates	Itte Chaitanya and Muddana Mounika		
		316	Mix Design Development of Recycled Aggregate Concrete Incorporating Recycled Fine and Coarse Aggregates with Limestone Calcined Clay Cement (LC3)	Shashanka Dagam, Ashwin Kumar M, Uma Shankar Biswal and Sudharsan Narayanasamy		
		317	Investigation of Strength Properties of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells and Cement with Silica Fume	Yellanolla Jagadeeshwar and Thirumala Sujatha		
	Theme IV: Other Applications in Transportation Engineering	Invited Talk: Prof. Shashi S. Nambisan, Professor & Director, University of Nevada, Las Vegas Title of the talk: Technologies for Transportation: To Mine or to Mind?			CR-5	
		Session Chairs: Prof. Shashi S. Nambisan, University of Nevada, Las Vegas, & Mr. Surya Jeedigunta, SNJ Solar				
		50	Driver Aberrant Behaviour Prediction using Gaze Tracking	Singh Priyadarshan and Amudapuram Mohan Rao		
		103	Development of a GIS-Integrated Traffic Diversion Framework during Construction of Metro through Traffic Simulation and Level of Service Analysis	Sanket Vasant Shinde, Rupali Pankaj Zope and Bhupati Kannur		
		273	Multi-feature Driver Alertness Detection using Facial Expressions	Shivalika Jha, Himadri Tripathi, Laxmi Chauhan, Reeta Kukreja, Kamini Gupta, A Mohan Rao and Vinod Karar		
		292	Probe-Based Travel Time Prediction Using Ensemble Learning Methods	Fathima C K, Bhadradri Raghuram Kadali and CSRK Prasad		
		297	Queue Length Prediction Using Machine Learning Techniques under Mixed Traffic Conditions	B. Shailaja and B. Raghuram Kadali		
	15:15 - 15:30 hrs	Tea Break				Courtyard
		Exhibition Visit				
		Session Chairs: Dr. S. Padma, CSIR-CRRI and Dr. Shaheem S., NATPAC				



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Poster Session-I 15:30 - 16:30 hrs	Theme I: Transportation Planning	39	AI-Driven Integrated Ticketing: Framework for Urban Mobility	Surya Jeedigunta, Madhusudan Kinthada, Ch Ranga Rao and Yesu Danam B	1st Floor, ECSOE Building
		58	Analyzing Bus Arrivals and their Impact on Passenger Waiting Time for a Series of Bus Stop Using Agent Based Models	Chaithanya P and K Parthan	
		63	Effect of Fare Free Bus Service on Travel Behavior of Commuters in Bengaluru	Naveen Patil, Deeraj Kumar N and Sahana Siddu Rakkasagi	
		96	Enhancing Last-Mile Connectivity for MRTS Stations in Chennai through Integrated Feeder and Pedestrian Interventions	Eswar Gunasekaran, Nantha Priya Gurusamy	
		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	Adinarayana Badveeti, Anant Sharma, Kasinayana Badweeti	
		130	Developing Wait Time Model for Public Transit	Veronica Ratnesh and Pramesh Kumar	
		158	Performance Evaluation of Linear Bus Routes Using Bootstrapped DEA and Stochastic Frontier Analysis	Vishikha Keshava, Anila Cyril and Raviraj H Mulangi	
		174	A Data-Driven Analysis of Passenger Travel Patterns in Kochi Metro Using AFC Data	Pankaj Kumar, Vasudevan N and Mithun Mohan	
		179	Assessment of Perceived Accessibility of Urban Bus Stops Using GIS and Passenger Perception Analysis	Gopika Jitender, Anila Cyril, and Geeva George	
		215	Data Driven Freight Trip Modeling: Evidence from Tier-II Indian City	Ravi Kumar, Pritikana Das, Errampalli Madhu and Param DevTripathi	
		229	Assessing Spatial Inequality in Accessibility to Essential Services: A Case of Nagpur City	Natasha Kapai and Pankaj Bahadure	
		246	Evaluation of Gender Equity on Public Transportation: Post Implementation of Fare-Free Public Transport Bus for Women Passenger's in Telangana, India	Geetha Guduri, G.V.L.N. Murthy and B Raghuram Kadali	
		247	Evaluation of Gender Difference in Perceptions Affecting the Quality of Urban Public Transport Using Importance-Performance Analysis	Naga Pavani Katta, G.V.L.N. Murthy and B Raghuram Kadali	
		288	Decoding Urban Transit Satisfaction: A Statistical Analysis of Bus Rapid Transit System Performance in Ahmedabad Using a Composite Service Quality Index	Neel R. Parikh and Achal R. Parikh	



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		291	Establishment Based Urban Freight Trip Generation Rates: Case Study of Visakhapatnam, India	Upendra Kumar A, Sairam Dasari, Ravi Shekar Ch and Ravinder K	
		298	Auditory Detectability of Electric Two-Wheelers in Pedestrian Interactions	Nagarjuna Mandalaju and Jahnvi Yarlagadda	
	Theme II: Traffic Engineering & Safety	Session Chairs: Dr. Ramesh Majhi, CSIR-CRRI and Dr. Vasanta Kumar S., VIT Vellore			1 st Floor, ECSOE Building
		35	Modelling the Impact of Mobile Phone Usage and Delivery Time Pressure on Last Mile Delivery Workers	Raghul BVD, Sahana S V, and Darshana Othayoth	
		62	ADAS in the Indian Context: Evaluating Effectiveness of the Lane Departure Warning System under Real-World Traffic Conditions	Kasi Nayana Badweeti and Digvijay S. Pawar	
		69	Public Perception on Causes of In-Vehicle Driver Distraction	Ankit Singh, Amit Kumar Patel and Digvijay S. Pawar	
		120	A Comprehensive Approach to Road Safety at a Staggered Five-Legged Roundabout: A Case Study	Nischal Kafle, Bishal Shrestha, P. Siva Sankar and V.A. Bharat Kumar Anna	
		187	Development and Validation of Low-Cost Game Engine–Based Car Driving Simulator integrated with Microscopic Traffic Simulation: Challenges and Lessons Learned	Prateek Kumar Rai and Udit Jain	
		192	Estimation of Observation and Entrance Angles for Traffic Signs: An Analytical Approach	Anila Cyril, Praveen P S, Shaheem S, Anish Kini B, Saurabh Singh and Aswathy P	
		193	Impact of Channelisers on Safety of Forced Gap Behaviour at Unsignalized Intersections: An Empirical and Simulation-Based Analysis	Abhishek Ramesh, Praveen P S, Parthan Kunhikrishnan, Anila Cyril, Suvin P. Venthuruthiyil and Ashalatha R	
		224	Assessment of Road User Behavior on Two Lane Undivided Highways	Simbarashe Chateya, Anashe Matumika, Tichaona Kasambarare, Tanatswa Tadzimirwa, Vaddala Suresh and V A Bharat Kumar Anna	
		231	Effect of Posted Speed Limit on Speed Reduction on Rural Highways NH 44 Kurnool and NH 48 Vellore, A Case Study	Patan Azmatullah Khan	
		236	Driver Behavior Heterogeneity in Mixed Traffic: Multi-Class Analysis of Speed, Aggressiveness, and Volatility Using Vehicle Kinematics and Sociodemographic Factors	Mohit Rewatkar Chintaman Bari and Hareshkumar Golakiya	
		250	Comparison of Machine Learning Models using Combined Surrogate Safety Measures for Curved Road Sections	K. Sukhanya, B. K. Bhavathrathan and Anurag Singh	



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		263	Assessment and Predictive Modelling of Skid Resistance (BPN) Using British Pendulum Tester: A Field Study on Pavement Surfaces at MANIT, Bhopal, India	Yaprala Prashanth, Gaurav Bagul, Bivina G.R. and Akmal Abdelfatah	
		264	Understanding Risk Perception Variability Among Indian Drivers Across Different Speed Limits in Mixed Traffic	Vaibhav Lokhande, Chintaman Bari and Samiul Hasan	
		310	Operational GHG Mitigation Potential of the Delhi–Ahmedabad High-Speed Rail Corridor: A Multi-Mode Interval Analysis	Sandeepan Roy, Priyanka Koner, Bitayan Mondal and Bodupalli Nitin Krishna	
		311	Bi-Objective Optimization of Electric Vehicle Charging Station Siting Using Efficient Sparse Search-Based Evolutionary Algorithm	Sandeepan Roy, Priyanka Koner, Tirthankar Adhikari and Neeraj Sohani	
	Theme III: Pavement Technology	Session Chairs: Dr. VamsiKrishna, CSIR-CRRI, & Dr. Ravi Teja, SRM University			1 st Floor, ECSOE Building
		17	High-RAP Dense Bituminous Macadam Mixtures: A Critical Review of Material Characterization, Mix Design Frameworks, and Long-Term Pavement Performance.	Rinkal Dudhwala, Rajesh Gujar and Siksha Swaroopa Kar	
		20	Geotechnical Investigation of Expansive Soil Stabilized with Quarry Dust and Plastic Fibres	Ambica, Tirumala Deepika, Pallavi Badry	
		29	Enhancing Climate Resilience of Rigid and Flexible Pavements Over Soft Soil Subgrades Using Geogrid Reinforcement: A Finite Element Study	Kadakuntla Manognya and S. Shankar	
		36	Experimental Investigation of Footstep-Induced Energy Generation using Piezoelectric Pavement Tiles: Conceptual case study	Gundu Apporva, Kankanala Vishnuvardhan, Gunji Venkata Sai Kartheek, Mohammad Rizwan, Pallavi Badry	
		51	Laboratory Investigation of Cement Concrete Characteristics Using Rice Husk Ash and Waste Concrete Aggregate for Rigid Pavement.	Meet P. Patel, Manish P. Jain, and Dipak M. Rathwa	
		71	Development of Probabilistic Model for Predicting Pavement Condition Index of National Highways	Thananki Ganga Sai Kumar, Sonia B I and Sunitha V	
		86	The Rising Amount of Waste Materials in Pavement Construction	Daljeet Kumari and Vivek	
		113	Performance Evaluation of Pervious Concrete Using Recycled Aggregate	Ayyagari Lakshmi Prasanna and Parthiban P	
		131	Synergistic Effect of Fly Ash and E-Waste Non-Metallic PCB Powder on the Performance of Blended Cement Concrete	Sonu Indrapal Suhagpure, Pritikana Das and Siddhartha Rokade	



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		171	PVI Considerations in Design, Construction, and Maintenance of Pavements	Kiran Mohanraj	
		190	Effective Utilization of Construction and Demolition Waste with Different types of Fiber for Sustainable Pavement Material	Sricharan Vallabhaneni, Harinder Devavath, Sambhasiva Rao and Sai Sahitya Kurre G	
		258	Pavement Distress Evaluation using LIDAR Technology	U. Shimpi Dimple and S. Vasantha Kumar	
		296	Multi-Scale Performance Characterization of Sasobit and Waste Cooking Oil Modified PMB and VG Binders for Sustainable Warm Mix Asphalt Applications	Sai eshwary Gundu, Ramesh Adepu and Battini Srinidhi	
		304	Field Assessment and Machine Learning-Based Prediction of Transverse Cracking in Urban Rigid Pavements	Jitendra Singh Yadav, Kamal Singh and Priyansh Gupta	
Parallel Technical Sessions – III 16:30 - 18:00 hrs	Theme I: Transportation Planning	Session Chairs: Dr. Anila Cyril, NATPAC and Dr. B K Bhavathrathan, IIT Palakkad			CR-1
		94	Behavioural Determinants of Electric Vehicle Usage Intention: A Structural Equation Modelling Approach	Shaheem S, B Anish Kini, Rameesha TV and Greeshma G S	
		169	Assessing Inequalities in Travelers' Exposure to Air Pollution in Delhi	Vikram Singh and Amit Agarwal	
		240	Analysis of Tourist Travel Behaviour and Mode Choice Patterns in Public Transport Usage: A Pilot Study from Bodhgaya, India	Alok Gaurav, Pratiksha Maddheshiya, Bivina G. R., and Chalumuri Ravi Sekhar	
		243	Investigating Factors Determining the Choice of Park & Ride Facility Using Structural Equation Model - A Case Study of Kochi Metro Rail	C S Sivapriya, Abhiyel Samuel N, Krishnapriya M G and Vasudevan N	
		252	Gender Differences in Public Transport Usage, Travel Behavior and Subjective Well-Being in Warangal City	Kusireddy Sasi Nandini, Bhadradi Raghuram Kadali and S.S.S.V.Gopala Raju	
		286	A Synergistic Approach Using Gradient Boosting and Traditional Models for Predicting Urban Travel Behaviour	S. Anita, Samson Mathew, G Subbaiyan	
	Theme II: Traffic Engineering & Safety	Session Chairs: Dr. Nishant Pawar, NIT Calicut and Dr. Srinivas Pulugurtha, University of Mississippi, USA			CR-2
		147	Pedestrians Red-light Violation and Safety Assessment at Signalized Intersections in Indian Traffic Scenario	Koviri Balram and Arpita Saha	
		153	Road Risk Detection using Hybrid CNN-VIT-XGBoost Model with Explainable AI	Kimmi Gupta, Ch. Ravi Sekhar, Gautam Ahuja, Shivam Verma and Dileep Kumar Yadav	
		255	Behavioural Adaptation of Powered Two-Wheeler Riders to Advance Pothole Alerts: A Naturalistic Riding Study	Samuel Peter Chadalavada and S V Subbarao Saladi	



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		266	Impact of Road Marking–Based Safety Intervention on Crash Frequency, Severity, and Characteristics: A Before–After Study	Ardra S. Krishna, Darshana Othayoth, Shriniwas S Arkatkar, Aishwarya Abhilash and Ebin Sam S	
		268	Effect of Road Geometry on Heart Rate Variability of Driver: A Case of Expressway	Nurul Ain Ansari, Chintaman Bari and A. Mohan Rao	
		294	From Perception to Action: Behavioural Insights into Pedestrian Crossing at Unsignalized Intersections in India	Anam Hyder and Saladi. S.V. Subbarao	
		301	Impact of Group Dynamics in Religious Gathering Buildings: A Simulation-Based Study	Dharitri Kahali and Siva Kumar Bathina	
	Theme III: Pavement Technology	Session Chairs: Dr. Sreedhar, Vardhaman College of Engg., & Dr. Ramesh Adepu, VNR VJiet			CR-4
		30	Sustainable Valorization of Reclaimed Asphalt Pavement in Dense Bituminous Macadam: Performance, Durability, and Circular Economy Implications.	Dudhwala Rinkal, Siksha Swaroopa Kar and Rajesh Gujar	
		53	Field Implementation and Evaluation of Full Depth Reclaimed Bases Treated with Cement and Silica-rich Additive	Nagendra Babu Reddy Muli, Umashankar Balunaini, Remella Krishna Madhav and Meenavolu Ramamohana Rao	
		72	Effect of Chitosan-Based Metal–Organic Framework on the Physical Properties of Asphalt Binder	Hafsa Yaseen Qureshi and Vivek	
		87	Performance Enhancement and CO ₂ Sequestration Potential of Carbonated Steel Slag as a Sustainable Aggregate Substitute in Bituminous Mixes	Mahaveer Singh Dangi, Tarun Kumar Narnaure and Priyansh Singh	
		210	A Review on Aging, Rejuvenation, and Performance of Reclaimed Asphalt Binders for Sustainable Binder Utilization	Sharanabasappa Kori and Nikita Bhagat	
		230	Strength Assessment of Fly Ash-Based Artificial Aggregates for Sustainable Pavements	Akhilram M E, Yerasani Mahendra Reddy and Hillol Chakravarty	
		278	Comparative Analysis of Hybrid ANN Optimization Models for Predicting Fiber Reinforced Geopolymer Concrete Compressive Strength	Muskan Begum, Ramujee Kolli and Harika Rayana	
	Theme IV: Other Applications in	Session Chair: Dr. Krishna Kishore M, Saveetha University, & Dr. K. Sitaramnjaneyulu, Ex-Scientist, CSIR-CRRI			CR-5
		11	Naturalistic Driving Data-based Machine Learning Classification of Safe and Unsafe Driving: ML-DRIVE	Suprabeet Datta and Supriya Marik	



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	Transportation Engineering	24	Edge-Intelligent CAN-IoT Architecture for Real-Time Electric Vehicle Battery Parameter Monitoring with Anomaly Detection and Thermal Management	Vedaprakash Reddy Syamala, Guru Bharadwaj Sure, Pavan Kishore Kalyanam, Sarada Musala and Yuvaraja Shanmugam	
		140	Classified Vehicle Volume Using Deep Learning	Sadguna Nuli, Varshini Chityala, and Pooja Pullempla	
		267	Deep Learning Based Automated Helmet Violation Detection for Two-Wheeler Riders	Sadguna Nuli, Sai Sankeerth Bommerla and Venkata Surya Prakash Rao Malladi	
		277	Ensembling of Deep Learning Neural Network Models for Strength Prediction of Ternary Blended OPC Concrete	Navya K, Ramujee Kolli, Harika Rayana	
		307	Dynamic Line-Based Turning Movement Count Using YOLOv8 and Deep SORT for Traffic Analysis	Varun Raj Rayabharapu, B Raghuram Kadali and CSRK Prasad	
18:30 - 19:30 hrs	Cultural Evening				Auditorium
19:30 - 22:00 hrs	Conference Dinner				Dining Hall

Day 2 July 18, 2026 (Saturday)					
TIME	SESSION				VENUE
09:00 – 9:30 hrs	Registration				
Parallel Technical Sessions – IV 09:30 - 11:00 hrs	Theme I: Transportation Planning	Session Chairs: Dr. Samson Mathew, NIT Trichy, & Dr. GVL Narasimha Murthy, Swarnandhra College of Engg and Technology			CR-1
		48	Evaluating Willingness of Public Bus Commuters Regarding Inclusion of Additional Features to the Existing Transit Infrastructure	Anirudh Subramanyam Mantripragada, Bhadradi Raghuram Kadali, and C.S.R.K. Prasad	
		57	Perception-Driven Modelling of Road User Safety in Mixed Traffic Conditions within Transit-Oriented Precincts	Lalitha Sree Chintakayala, Anirudh Subramanyam Mantripragada, Bhadradi Raghuram Kadali and C.S.R.K. Prasad	



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TIME	SESSION				VENUE
		83	Analyzing Reliability of Bus Service Using Automatic Vehicle Location Data	Rajan Tiwari and Pramesh Kumar	
		88	Estimating Final State of Charge of E-Buses: Machine Learning Techniques for Transit Routes in Delhi	Akarshan Jangral, Ramesh Chandra Majhi and Misna	
		116	Standardization of Survey Instrument for Taking Commuter's Perception and Willingness at the Interchange Hubs	Varsha Yadav, Rajat Rastogi and Mukti Advani	
		163	What Drives the Safety and Security Perception of Women Commuters During their First and Last Mile Travel?	Dilawaiz Ali, Prasanta K. Sahu, Avijit Maji, Bandhan Bandhu Majumdar	
		238	Analysis of Commuters' Multimodal Transportation Choices and Its Impact on Travel Behaviour	Shernaz V Seyad, B Raghuram Kadali and Kavitha Madhu	
	Theme II: Traffic Engineering & Safety	Session Chair: Dr. A Mohan Rao, CSIR-CRRI and B. Sudhir Kumar, Vishnu Engg College for Women, Bhimavaram			CR-2
		65	ACT-based Crash Risk Analysis in Highway Work Zones in Mixed Traffic Conditions	Amit Kumar Patel and Digvijay S. Pawar	
		148	Trajectory-Based Safety Evaluation of Signalized Y-Intersections Using Surrogate Safety Measures	Anjana Shyam, Sreelakshmi N D, Nishant Mukund Pawar and Harikrishna M	
		166	Analysis of Vehicle Following Behavior and Crash Risk in Urban Roads under Lane-Indiscipline Mixed-Traffic Conditions	Akash Kolate and Arpita Saha	
		195	Predicting and Analysing Crash Severity on Expressway to Enhance Road Safety: A ML Approach	Ishfaq Ul Abass, Jinendra Kumar Jain, Pawan Kalla, Parveen Kumar, Amit Sain, Ghanshyam Balotiya and Suresh Chand Bairwa	
		197	Quantifying Inter-Driver Heterogeneity using Individual-Level Calibration of the Two-Fluid Model	Atif Shaikh, Ninad Gore and Shriniwas Arkatkar	
		260	Design and Development of Virtual Reality Application to Enhance Road Safety Behaviour of School Children	Abees Jibin, Neeraja Chandrasekhar, Yogeshwar V. Navandar, K Krishnamurthy and Bivina G. R.	
	Theme III: Pavement Technology	Session Chair: Dr. Sridhar, Vasavi Engineering College, & Dr. Chandra Mouli, Sarath Geotechnics			CR-4
		84	Interfacial Characteristics of Bamboo Mats with Cohesionless Infills	Vivek R Das, Asha M N and Bhavya Shri N	
		138	Numerical Investigation of Interaction Between Tunnel and Slope; A Parametric Study by Varying Tunnel Location and Slope Angle	Raj Nayak, Krishna Prasad Kallada and Anirban Mandal	
		170	Performance Evaluation of Glass Fiber Reinforced Pavement Quality Concrete: Strength Assessment	Siddharth C. Patel, Kamal Singh, Achyut Kumar Singh and Jitendra Singh Yadav	



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TIME	SESSION			VENUE
		175	Engineering Evaluation and Optimization of Agro-HDPE Biochar for High Performance Binder	Suresh Chand Bairwa, Pawan Kalla, Sarfaraz Ahmed, Amit Sain, Nikhil Mathur
		186	Limestone Calcined Clay Cement in Sustainable Bridge Construction: A Review	Anisree A C, Madhav S Nair, Roshan Roy, Vismaya C, Naveena G S, Chris Elsa Joseph and Nithin Jacob John
		289	Influence of Copper and Zinc Tailings on the Geotechnical Behavior of Black Clayey Soil	L. Siddhartha Naik, Raghava A. Bhamidipati, B. Shalini and P. Akash
		318	Pavement Sustainability via Full-Depth Reclamation: Global Insights and Indian Scenario	Gurunath Kanade, Deepti Avirneni and Gottumukkala Bharath
	Theme IV: Other Applications in Transportation Engineering	Session Chair: Dr. Arpita Saha, VNIT Nagpur & Dr. Sunder Bukya, Mahindra University		
		47	Data-Driven Analysis of Risky Riding Behaviors and Crash Involvement among Powered Two-Wheeler Riders	Anand Kumar and Regulus D. K. Shallam
		64	Bio-Kinematic Fusion and Stabilized Computer Vision for Robust Driver Behaviour Monitoring in Mixed Traffic Conditions	Divyanshu Shukla, Varun Singh, Shahrukh and Somit Pratap Singh
		75	Investigating Risk Factors Affecting Injury Severity of Crashes on Expressways in India: A Random Parameters Logit with Heterogeneity in Means Approach	Parveen Kumar, Ishfaq Ul Abass, Jinendra Kumar Jain and Gyanendra Singh
		93	Evaluating YOLOv8 Models for Real-Time Traffic Analysis: A Comparative Approach	Sanskriti Pandey, Rhishikesh Bansode, Harsh Kumar Meena, Shaline Shukla, Divya Kumar
		184	Dynamic Video Based Traffic Violation Detection Using YOLOv8 with Ego Motion Compensation and Multi Object Tracking	Shinaf P.K., Rahul Kshatriya, Yogeshwar Navender, K Krishnamurthy, Praveen Sankaran
		249	Two-Stage Time-Topological Optimization for Demand-Responsive Feeder Transit Design on Arterial Networks	Tanay Kinariwala, N Mohamed Hasain, Abhijeet Kumar Gaurav and Avijit Maji
		265	Bridging Raw GPS Data and Mobility Intelligence: A Trajectory Refinement Approach for Railway User Detection	Jainam Khanter, N Mohamed Hasain, Pramod Bide, Prasanta Sahu and Avijit Maji
	Tea Break			Courtyard



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TIME	SESSION			VENUE	
11:00 - 11:15 hrs	Exhibition Visit				
11:15 - 11:45 hrs	Keynote Session - III	Keynote Speaker: Dr. Srinivas Geedipally , TTI Research Engineer, Texas A & M Title of the track: From Reactive to Predictive: Transforming Road Safety Through Data, Design, and AI		Auditorium	
11:45 - 12:15 hrs	Keynote Session - IV	Keynote Speaker: Dr. Chalumuri Ravi Sekhar , Director, CSIR-CRRI, New Delhi Title of the track: Comprehensive Mobility Planning in India: Challenges, Diagnosis and Way Forward			
12:15 - 12:45 hrs	Sponsored Presentation			LT-2	
12:45 – 13:45 hrs	Networking Lunch			Dining Hall	
Poster Session-II 13:45 – 14:45 hrs	Theme I: Transportation Planning	Session Chair: Prof. (HAG) M. V. L. R. Anjaneyulu, NIT Calicut and Mr. Kiran Mohan Raj, Transtech		1 st Floor, ECSoE Building	
		106	Temporal Distribution of Out-Of-Home Activities: Evidence from Working and Non-Working Individuals in Bengaluru		KM Manasa and Kunhikrishnan Parthan
		109	Modelling of Linear Sustainable Walkability Weighted Index for PEC University Green Campus for Achieving of SDG-2030 Targets		Adinarayana Badveeti, Kasinayana Badweeti, Ayush Chauhan, Aryan and Balkaran Singh Sohal
		129	An Integrated Practical Investigation Linking Land Use, Travel Behaviour, Driver Safety, and Geometric Design Consistency		G Prasuna and D Rajashekar Reddy
		133	Pedestrian Volume Count Analysis and NMT Infrastructure Evaluation: Periyar Statue Junction, Dindigul		Ragavi R C
		152	Development of a Composite Centrality Index for Cluster-Level Urban Road Networks: A Case Study of Hyderabad Metropolitan Area		Sai Sahitya Kurre, Rishabh Ranjan, Teja Tallam, Deepthi Avirneni and Akhilesh Janagam
		167	Prioritizing Pedestrian Perception on Quality of Pedestrian Infrastructure in An Indian City		Sonia Chauhan and Sanjay Gupta
		211	Walkability Assessment Around Metro Stations for Transit Oriented Development Implementation		Zesha Rachel Pothen and Sijo M Saji



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TIME	SESSION				VENUE
		213	Role of Spatial Accessibility to Recreational Spaces as a Determinant of Urban Livability: A Case of Indore City	Pragna Pandugu and Pankaj N Bahadure	
		220	Sustainable Public Transport Efficiency in Indian Million-Plus Cities: A Systematic Review and Analysis Using Passenger Kilometre Travelled (PKT) per Capita	Achal R. Parikh and Gaurang J. Joshi	
		223	Travel Behaviour Analysis in Dindigul: Evidence from a CMP Household Travel Survey Across 171 Traffic Analysis Zones	Ragavi R C	
		254	Formulation of Speed Management Policy for Improving Road Safety: A Case Study from West Bengal, India	Sankhadeep Pramanik, Abhishek Chakraborty, Uday Shankar and Bhargab Maitra	
		283	First and Last Mile Travel Mode Choice Among University Students and Young Adults: Evidence from Pune Metro, India	Nishant Narayan Phadke and Sagar Sunil Kolapkar	
		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	Pratiksha Maddheshiya, Alok Gaurav, Bivina G.R., Kamal Singh and Chalumuri Ravi Sekhar	
	Theme II: Traffic Engineering & Safety	Session Chairs: Dr. Anil Kumar Bachu, IIT Patna, & Dr. Srinivas Geedipally, Texas A & M			1 st Floor, ECSoE Building
		55	Evaluation of Speed Profiles in Weaving and Non-Weaving Sections of Urban Roundabouts	Bhavya Shri N and Vivek R Das	
		136	Simulation-Based Optimization of Urban Intersection Performance: Analysis of Delay and CO ₂ emissions	Rose Robin, Pooja Prakash, Revathy Vinod K, Fathima Siyana P, Anna Paul and Ashik K Azad	
		155	Impact of Side Friction on Traffic Flow Dynamics: A Case Study of Urban Arterials in Patna	Nikhil Kumar Suman, Amrit Raj, Saksham Raj and Satyajit Mondal	
		156	Evaluation of Surrogate Safety Measures and Signal Control Design at an Urban Unsignalized Intersection Using Microsimulation	Achyut Kumar Singh, Kamal Singh, Bivina G.R. and Siddharth C. Patel	
		157	Particulate Matter Exposure and Health Risks among School-Going Children in Patna	Amrit Raj, Nikhil Kumar Suman, Saksham Raj and Satyajit Mondal	
		237	A Multidimensional Analysis of Factors Contributing to Road Accidents	Dirghayu Joge and Kailas Arjun Patil	
		244	Understanding Child Pedestrian Distraction Behavior: A Quantitative Survey Study	Anshul Panthi, Chonish Raj Rahangdale, Bivina G.R. and Parijat Jain	



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TIME	SESSION				VENUE
		274	Real-Time Detection of Driver Drowsiness and Distraction Through Upper Body Kinematics: Neck Posture and Shoulder Asymmetry Analysis	Mahak Singh, Shailly Singh, Reeta Kukreja, Kamini Gupta, A Mohan Rao, and Vinod Karar	
		279	Development of Representative Driving Cycle and Estimation of Energy Consumption for Electric Buses	Don James, Nishant Mukund Pawar, Gokul T G and Sabyasachee Mishra	
		287	Development of A Methodology to Identify Leader-Follower Pair on Horizontal Curves under Heterogeneous Traffic Conditions	Vishal Tiwari, Vineet Jain and Ashish Dhamaniya	
		298	Auditory Detectability of Electric Two-Wheelers in Pedestrian Interactions	Nagarjuna Mandaloju and Jahnvi Yarlagadda	
		303	Prioritizing Motorised Two-Wheeler Safety Strategies in Mixed Traffic Conditions: A TOPSIS-based Multi-Criteria Approach	Madurai Krishna Kishore and Darshana Othayoth	
		305	Spatial Variation in Traffic Law Violations across Indian States	Vana Kishore Chandra Swaroop and Jahnvi Yarlagadda	
	Theme III: Pavement Technology	Session Chairs: Dr. Narendra, MVSR College of Engg., & Dr. Surender Singh, IIT Madras			1 st Floor, ECSoE Building
		21	Comparative Analysis of PSC, PPC, and HVFA Mixes with Conventional OPC	Pallavi Badry, Saikrishna Bondugula, Ravi Shankar Badry, and Ivaturi Sarma	
		27	Influence of Tire Pressure and Footprint on Flexible Pavement Response Based on Mechanistic-Empirical Study	Supriya Marik, Abhijit Mondal, Indrasen Singh and Purbayan Ghosh Mondal	
		37	Experimental Investigation on Cement Grouted Bituminous Mix Using Stone Dust and Rice Husk Ash	Anirudh N, Muttana S Balreddy and Sunil S	
		46	Performance Evaluation of Semi-Flexible Pavement Using Industrial By- Products	Anirudh N, Yashaswini Shankar J S, Muttana S Balreddy, Sunil S and Vinay H N	
		73	Quantifying the Influence of Traffic, Climate, and Structural Variables on Pavement Roughness Characteristics: An MLR-Based Analysis of LTPP Field Data	Boddu Sudhir Kumar, Pala Gireesh Kumar, Seeram Bhuvaneshwari, Vungarala Jahnvi and Kanaka Vallika	
		95	Performance Enhancement of Semi-Flexible Pavements via Optimized Cementitious Grout Mixes	Abhir Rajurkar and Bhupati Kannur	
		122	Induction Furnace Slag as Aggregate in Bituminous Pavement Construction: Physicochemical Characterization	Sreeresh R and Sivakumar M	
		127	Laboratory Investigation on the Mechanical Properties of Bituminous Mix Using CRMB Rubber Modified Bitumen	Heervita R. Rathod, Manish P. Jain and Dipak M. Rathva	



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TIME	SESSION				VENUE
		146	Optimising Chemical Stabiliser Dosage for Enhanced Performance of Stabilised Pavement Base Layers	Al Ameen. N, Hari Narayanan, Jincy, Sagar Stanly, Reshmy D.S and Shiju Chandran R	
		151	An Experimental Analysis on Partial Replacement of Cement by Marble Powder and Natural Sand by M-Sand in PQC	Priyansh Gupta, Kamal Singh, Bivina Geetha Rajendran and Jitendra Singh Yadav	
		178	Effect of Mix Ingredients on Strength of Hammer-Compacted Dry Lean Concrete	Manoj Kumar Singh, Mahesh Gaikwad, Lalita Jangpangi and Dinesh Ganvir	
		183	Effect of Rice Straw Biochar on the Physical and Rheological Behaviour of Bituminous Binder	Ghanshyam Balotiya, Arun Gaur, Amit Sain, Ishfaq UI Abass, Suresh Chand Bairwa and Omprakash Gared	
		189	Characterization of Agro-HDPE Biochar for Bituminous Binder- A Waste-to- Value Approach	Suresh Chand Bairwa, Pawan Kalla, Sarfaraz Ahmed, Amit Sain, Ghanshyam Balotiya and Ishfaq UI Abass	
		209	Physical and Rheological Characterization of Lignin-Tyre Pyrolysis Oil Modified VG30 Bitumen for Sustainable Pavement Applications	Pratiksha Ware, Namdeo Hedao and Saurabh Shinde	
		232	Influence of Parent Concrete Grade on the Internal Curing Potential of Fine Recycled Concrete Aggregates in Rigid Pavements	Aijaz Maqbool Thoker and Surender Singh	
		280	Rheological Evaluation of Hybrid Waste Glass–Plastic Modified Asphalt Binder	Mir Sumear Qadir, Balraj Baidwan, Tanuj Chopra and Abhinay Kumar	
		309	Strength Performance of Sustainable Artificial Fly Ash Coarse Aggregates for Rigid Pavement Applications	G Vaishnavi, Pupalwad Arti Sudam and Kadali Srinivas	
		315	Experimental Investigation on Concrete with Partial Replacement of Cement by Glass Powder and Fine Aggregate by Copper Slag with Sisal Fiber Addition	Jadhav Chetan and Kandoori Roja	
Parallel Technical Sessions – V 14:45-16:15 hrs	Theme I: Transportation Planning	Invited Talk: Prof. CSRK Prasad, Department of Civil Engineering, NIT Warangal Title of the talk: Transit-Oriented Development (TOD): Mobility vs Sustainability			CR-1
		Session Chair: Dr. CSRK Prasad, NIT Warangal, & Dr. Phani Kumar, CSIR-CRRI			
		154	Assessment of Urban Rail Transit Resilience under Short-Term Operational Disturbances: A System and Passenger Behavioral Analysis	Gunturu Sanjay and Harikrishna M	



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		164	Impacts of ‘Fare-free Bus travel for Females’ on Activity Travel Behavior: A case of Hyderabad, Telangana, India	G Pavan Kalyan	
		199	Gender-Disaggregated Travel Behaviour Analysis in Dindigul: Evidence from Income, Occupation, Vehicle Ownership, and Household Dependency Dimensions of a CMP Household Survey	R C Ragavi	
		206	An Assessment of Women’s Travel Decisions in Inland Water Transport Systems: A Multinomial Logit Analysis of Demographic and Accessibility Factors	Gayathri P, Sabitha N M and Ajitha T	
		234	Estimating the Price of Unpreparedness in Road Network Evacuations	K. Nitheesh, B. K. Bhavathrathan	
	Theme II: Traffic Engineering & Safety Track	Invited Talk: Prof. Shriniwas Arkatkar, Department of Civil Engineering, SVNIT Surat Title of the talk: Development and Applications of Trajectory Data Under Heterogeneous Non-Lane Based Traffic Conditions in India			CR-2
		Session Chair: Prof. Shriniwas Arkatkar, SVNIT Surat, & Dr. Dharitri Kahali, CSIR-CRRI			
		66	A Vision-Based Multimodal Approach for Driver Drowsiness Detection Using Pupil Diameter Variations and Karolinska Sleepiness Scale (KSS)	Prapti Lalpuriya, Dev Ashishkumar, Amudapuram Mohan Rao and Nikhil Mishra	
		92	Experimental Validation of High-Fidelity Simulator-Based Driver Assessment Against Real-World Performance: A Study on Indian Road Conditions	Jahanvi Saraswat, Kavita Verma, Kamini Gupta, Vinod Karar and A. Mohan Rao	
		161	A Case Study of Merging, Diverging, and Lane Changing Behaviour on Highway Weaving Area in Lane Indiscipline Traffic Conditions	Gunuru Ravi Teja and Arpita Saha	
		284	Non-Parametric Analysis of Driver Reaction Time Using the Vienna Testing System under Mixed Traffic Conditions	Dhruv Mehta, Chintaman Bari, Vineet Jain and Ashish Dhamaniya	
		306	Data Driven Approaches for Conflict Distance Prediction at Signalized Y Intersections	Sreelakshmi N D, Harikrishna Madhavan and Nishant Mukund Pawar	
		270	Comparison of Selected Car Following Models under Mixed Traffic Conditions	Daniel John and M.V.L.R. Anjaneyulu	
	Theme III: Pavement Technology	Invited Talk: Dr. Bharat G., Scientist E, Central Road Research Institute (CRRI) Title of the talk: Next-Generation Sustainable Materials for Pavements			CR-4
		Session Chairs: Dr. Bharat G., CSIR-CRRI, & Dr. Vijay Kumar R., BVRIT			



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TIME	SESSION				VENUE
		22	The 4E Multi-Criteria Framework: Balancing Engineering Needs with Economic, Environmental and Enforcement Goals in Transport	Sahana Siddu Rakkasagi, and Chethana R	
		162	Machine Learning-Based Structural Evaluation of Flexible Pavements Using FWD Deflection Basin Parameters	Teja Tallam, Sai Sahitya Kurre, Soheb Patel and Deepthi Avirneni	
		202	Assessment of Structural Performance for Stabilized Low Volume Roads in Kerala	Devesh K Nampoothiri, Shri. Ashik K Asad and Hillol Chakravarthy	
		272	Exploring the Potential of Reclaimed Aggregates from Reclaimed Asphalt Pavements (RAP) for Pothole Patching in Vellore – A Case Study	Riyaz Khan N H and S. Vasantha Kumar	
		290	Influence of LDPE and HDPE Modified Binders on the Performance of Porous Asphalt Mixtures	Keerthi Chandramalla, Aniket V. Kataware and Venkappayya R. Desai	
	Theme IV: Other Applications in Transportation Engineering	Invited Talk: Prof. Avijit Maji, Department of Civil Engineering, IIT Bombay Title of the talk: Mumbai suburban network under hydrometeorological extremes: A Case Study			CR-5
		Session Chairs: Prof. Avijit Maji, IIT Bombay, & Dr. Atmakuri Priyanka, GMRIT			
		227	Assessment of Traffic Noise Characteristics Across Different Road Geometries in an Urban Mid-Sized City: A Case Study of Bhopal, India	Param Dev Tripathi, Pritikana Das and Bivina G.R.	
		276	From Registration to Road: Estimating Active Fleet Composition, Travel Intensity, and Exhaust Emissions in an Indian Metropolis Using Survival Analysis	Reashma P S and Krishna Raj	
		281	Evaluation of Spatiotemporal Urban Expansion of Kozhikode District and Its Interaction with Road Networks	Ragasree T, Nishant Mukund Pawar, Resmi S R, Anoop P K	
		299	Key Management Principles for BIM-enabled Transportation Infrastructure Delivery: Evidence from Metro-Rail Megaprojects	Sulakshya Gaur and Abhay Tawalare	
		312	Visual Attention and Driving Behaviour Under Simulated and Real-World Scenarios using within Subjects Eye Tracker Design	Sunder Bukya, Tilak Chaturvedi and Punit Kakkera	
	16:15 - 16:30 hrs	Tea Break			
Exhibition Visit					
16:30 – 17:00 hrs	Panel Discussion: Smart and sustainable mobility systems for smart cities				Auditorium



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TIME	SESSION	VENUE
17:00 – 17:15 hrs	Honouring Retired Transportation Faculty	
17:15 - 18:00 hrs	Awards Distribution and Valedictory Ceremony	