

### TPMDC 2020 Session Details

10 December 2020 (Day 1) Session 1A Transport and Mobility Networks Session Chair: Dr. Gopal Patil, IIT Bombay			
Joining Link: <a href="https://bit.ly/2Ldzqoh">https://bit.ly/2Ldzqoh</a>			
Time	Paper ID	Author(s)	Paper Title
14:00 to 16:00	27	Siddi Ramulu D and Sankar K	Suburban rail in India: issues, opportunities and way forward: a case study of Chennai suburban rail
	35	Shaheem S and Sreelekshmi S	Study on the impact of metro on the mode shift behaviour of commuters in Kochi city
	67	Marimuthu Venkadavarahan, B Prakash and Sankaran	Estimation of weekly freight trips generation in central business district of the city – a case study of Tiruchirappalli
	70	Aman Singh Rajput and Chetna Singh	Assessing the relationship between regional accessibility and distribution of services across peri urban areas – case study of Indore
	98	Abhijeet Pangavhane, Shrinivas Arkatkar and Gaurang Joshi	Bus transit network analysis using genetic algorithm based approach

10 December 2020 (Day 1) Session 1B Traffic Management, Operations and Safety Session Chair: Dr. Shrinivas Arkatkar, SVNIT, Surat			
Joining Link: <a href="https://bit.ly/33R5SDI">https://bit.ly/33R5SDI</a>			
Time	Paper ID	Author(s)	Paper Title
14:00 to 16:00	7	Tushar Sangal	Integration of metro with other modes of transport - customer satisfaction: a case of Delhi
	16	Muhammad Ashraf Javid, Widad Al-Hashmi, Asma Al Shaqsi and Nazam Ali	Evaluation of driving attitudes of university bus drivers in Oman
	20	S Chaitra, Chaithra V Reddy, Nettem Manichand and Vivek R Das	Capacity analysis of unsignalized intersection by different methods
	21	Varun Darshan Naik J, Vivek R Das and Prakash P	An approach to find driver behaviour of auto rickshaw through psychological tests
	176	Ashish Kumar Patnaik, Nirmalendu Bikash Mishra and Prasanta Kumar Bhuyan	Comparative study of critical gap at roundabouts: Heterogeneous traffic condition
	177	Sarvani Duvvuri, Sonu Mathew and Srinivas Pulugurtha	Applicability of variable speed limits using supervised machine learning and travel time data

10 December 2020 (Day 1) Session 1C Emerging Travel Technologies Session Chair: Dr. Nagendra Velaga, IIT Bombay			
Joining Link: <a href="https://bit.ly/39TVWx2">https://bit.ly/39TVWx2</a>			
Time	Paper ID	Author(s)	Paper Title
14:00 to 16:00	15	Harpreet Singh and Ankit Kathuria	Driver behaviour profiling using naturalistic driving data-a systematic review
	52	Mallikarjun Patil, Bandhan Bandhu Majumdar and Siddardha	Analysis of user perception for electric two-wheeler attribute prioritization and market segment evaluation in Indian context
	82	K P Aswathy and Spurthi Ravuri	Technology feasibility of battery-swapping technology for e-buses in Bengaluru
	99	Pratik Diyora, Ninad Gore, Manish Jain, Shrinivas Arkatkar and Gaurang Joshi	Effect of travel time uncertainty on performance of two-fluid model
	104	Yasaswi Sri Chandra Gandhi Kilaru and Indrajit Ghosh	Traffic event description based on twitter data using unsupervised learning methods for Indian road conditions

10 December 2020 (Day 1) Session 1D Transport Economics, Finance, Policy and Governance Session Chair: Dr. Avijit Maji, IIT Bombay			
Joining Link: <a href="https://bit.ly/3gnXX5M">https://bit.ly/3gnXX5M</a>			
Time	Paper ID	Author(s)	Paper Title
14:00 to 16:00	12	Shiv Priye and Manoj Malayath	Identifying the critical areas of improvements for the efficient operation of electric rickshaw services: a case study of new Delhi, India
	19	Muneera C P and Krishnamurthy Karuppanagounder	Economic assessment of traffic congestion relief measures at signalised intersection – evidences from an Indian city
	29	Sivakumar Balakrishnan and Krishnamurthy Karuppanagounder	Ranking of road traffic accident blackspots based on economic criteria: a study from Indian cities
	43	Suhail Akhtar and Indrajit Ghosh	Adoption of electric vehicles: a systematic review
	53	Dhruvi Shah, Jay Soni and Rajesh Gujar	Consequences to freight transport demand on account of covid-19 and robust response policies: a review
	87	Mahendra Parihar	Trucking industry getting benefits from improved road infrastructure in India - reality of myth?



**13<sup>th</sup> International Conference on Transportation  
Planning and Implementation  
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<b>10 December 2020 (Day 1)</b>			
<b>Session 1E</b>			
<b>Pavement Materials, Analysis and Design</b>			
<b>Session Chair: Dr. Dharamveer Singh, IIT Bombay</b>			
<b>Joining Link: <a href="https://bit.ly/2VPRwPs">https://bit.ly/2VPRwPs</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>14:00 to 16:00</b>	9	Ambika Behl and Siksha Swaroopa Kar	Impact of warm mix additive (WMA) on performance of high RAP mixtures
	24	G Shrivankumar and S Shankar	Potential use of recycled concrete aggregate with fly ash for bases in low volume roads
	25	V S Sanjay Kumar and Abin Joseph	A quick response model for predicting pavement condition index
	28	Shambhavi Suresh, R M Mahalingegowda, K C Manjunath and Abhishek G B	An experimental study on the cool pavement materials
	34	Gyan Ranjan Rout and Veena Venudharan	Design and economic impacts of soil stabilization using rice husk ash: quantitative material optimization

<b>10 December 2020 (Day 1)</b>			
<b>Session 2A</b>			
<b>Activity and Transport Demand</b>			
<b>Session Chair: Dr. G J Joshi, SVNIT, Surat</b>			
<b>Joining Link: <a href="https://bit.ly/2Ldzqoh">https://bit.ly/2Ldzqoh</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>16:30 to 18:30</b>	32	K P Aswathy, Varun Raturi and Anantha Lakshmi Paladugula	Analysing mode-choice-behaviour using nested logit model: a case study of Bengaluru city
	36	Reema Bera and Bhargab Maitra	Valuing the attributes of plug-in hybrid electric vehicle in urban India: a stated preference approach
	38	Poonam Adsule and Raghuram Kadali	Evaluation of younger age bicycle user's trip behaviour
	42	Nazam Ali, Muhammad Ashraf Javid and Muhammad Abdullah	Impacts of health- and service-oriented priorities on commuters' mode choice behaviours before and during covid-19 pandemic in a developing country
	105	Ravi Gadepalli and Divyanka Dhok	Travel patterns of urban India-relationship between socio-economic and travel characteristics across city categories
	167	Romin Italiya, Nandan Dawda, Gaurang J Joshi, Shriniwas S Arkatkar and Sanjay M Dave	Understanding users perception to ride multi-modal public transport system

<b>10 December 2020 (Day 1)</b>			
<b>Session 2B</b>			
<b>Traffic Management, Operations and Safety</b>			
<b>Session Chair: Dr. Bhargava Rama Chilukuri, IIT Madras</b>			
<b>Joining Link: <a href="https://bit.ly/33R5SDI">https://bit.ly/33R5SDI</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>16:30 to 18:30</b>	86	Rahul Raoniar, Sajad Maqbool and Akhilesh Kumar Maurya	Factors influencing pedestrian walking speed and safety margin at signalized intersection crosswalks
	158	Ranjana Soni, Geetam Tiwari and Manoj Malayath	Impact of the odd even policy implementation on car occupancy
	159	Ankit Kumar Kushwaha, Sudip Kumar Roy and Anuj Kishor Budhkar	Estimation of congestion pricing levels, duration and benefits to an urban corridor
	160	Suvin P Venthuruthiyil, Pranab Kar, Sharayu Aradwad, Harsh Prakashkumar Harkhani,	Association of maneuverability and safety of vehicles in a congested urban road with weak lane-discipline and vehicle heterogeneity
	161	Pranab Kar, Suvin P. Venthuruthiyil, Mallikarjuna Chunchu and Sandeep Singh	Influence of trucks on the safety of passenger cars on rural highways
	165	Madhumita Paul and Indrajit Ghosh	Understanding the drivers' perception of traffic signal countdown timers



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10 December 2020 (Day 1) Session 2C Emerging Travel Technologies Session Chair: Dr. Akhilesh Maurya, IIT Guwahati			
Joining Link: <a href="https://bit.ly/39TVWx2">https://bit.ly/39TVWx2</a>			
Time	Paper ID	Author(s)	Paper Title
16:30 to 18:30	121	Ameya Chandrakar, Rahul Sahu and Vivek Gupta	Skytran: a convenient alternative to private transportation
	157	Priyanshu Raj, Eeshan Bhaduri and Arkopal K Goswami	How much sustainable are ride hailing services? Exploring its impact on mode choice behaviour
	175	Abirami Krishna A, Sarthak Chaturvedi and Bhargava Rama Chilukuri	Traffic state estimation using DSRC- based mobile sensors
	180	Sudheer Ballare and Gaurav Singh	Analysing the environmental impact of autonomous vehicles in Mumbai, India

10 December 2020 (Day 1) Session 2D Transport Economics, Finance, Policy and Governance Session Chair: Dr. Ankit Kathuria, IIT Jammu			
Joining Link: <a href="https://bit.ly/3gnXX5M">https://bit.ly/3gnXX5M</a>			
Time	Paper ID	Author(s)	Paper Title
16:30 to 18:30	100	Shekhar Singh and Indrajit Ghosh	A review of factors affecting cyclone evacuation
	101	Nitish Satyawadi	Transport planning and implementation methodologies for developing countries
	148	Anuj Singh	Public-private partnership (PPP) arrangements in delivery of urban bus transport services
	149	Anjula Negi and Sanjay Gupta	Project finance arrangement in mass transit systems: a critical analysis of three metro rail projects in India
	155	Vikas Nimesh, Runa Sen Chatterjee, Mahendra Reddy Vanteru and Arkopal Kishore Goswami	A study of user's perception towards shift to electric vehicle- a case of residential educational campus



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<b>10 December 2020 (Day 1)</b> <b>Session 2E</b> <b>Pavement Materials, Analysis and Design</b> <b>Session Chair: Dr. Ayyanna Habal, PDPU, Gandhinagar</b>			
<b>Joining Link: <a href="https://bit.ly/2VPRwPs">https://bit.ly/2VPRwPs</a></b>			
Time	Paper ID	Author(s)	Paper Title
<b>16:30 to 18:30</b>	45	Dheeraj Adwani, Ankit Sharma, G D R N Ransinchung and Praveen Kumar	Rutting resistance evaluation of VG-30 modified with warm mix additives
	68	Rajan Choudhary, Ravuri Veera Sai Amarnath and Abhinay Kumar	Design and characterization of aggregate gradations employed in open graded friction course mixes
	69	M Daniel, S Chakravarthi and S Shankar	Influence of recycled aggregate and curing period on cement treated bases
	74	Barnali Debnath and Partha Pratim Sarkar	Performance evaluation and comparative analysis of pervious concrete pavement using over burnt brick aggregate
	85	Thavamani Andiyappan, Swathi Malluru and Kranthi Kumar Kuna	Mix design of asphalt mixes with steel slag aggregates

**11 December 2020 (Day 2)**  
**Session 3A**  
**Activity and Transport Demand**  
**Session Chair: Dr. P. Vedagiri, IIT Bombay**

Joining Link: <https://bit.ly/2Ldzqoh>

Time	Paper ID	Author(s)	Paper Title
<b>09:30 to 11:30</b>	50	Haneena Kadeeja and Harikrishna Madhavan	Activity duration model for social visits of the elderly in a tier II city in India
	56	Debashis Das and Mokaddes Ali Ahmed	Role of e-rickshaw in urban transportation
	134	Nahala Shajahan and Sikha P	Evaluation of ridership characteristics of Kochi metro rail
	150	Anisha Biswal and Darshana Othayoth	Mode choice modeling and analysis of influencing factors in the wake of covid-19
	156	Debarghya Bhattacharyya and Anuj Budhkar	Application of recurrent neural networks and programming interfaces for post-pandemic travel time prediction

**11 December 2020 (Day 2)**  
**Session 3B**  
**Traffic Management, Operations and Safety**  
**Session Chair: Dr. Indrajit Ghosh, IIT Roorkee**

Joining Link: <https://bit.ly/33R5SDI>

Time	Paper ID	Author(s)	Paper Title
<b>09:30 to 11:30</b>	23	Mohamed Hasain N and Mokaddes Ali Ahmed	Proactive evaluation of traffic safety in unsignalized intersection using surrogate safety measures
	26	Drisy Manghat and Krishnamurthy Karuppanagounder	Automobile level of service analysis of heterogeneous urban corridors using an android application
	30	Sharadamani H V, Vivek R Das and Prakash P	Psychological profile of two – wheeler drivers in mixed traffic conditions
	33	V S Sethulekshmi and K Krishnamurthy	Modelling of acceleration noise based on road geometrics
	39	Hajimohammed Mahaboob Basha, K Krishnamurthy and M V L R Anjaneyulu	Identification of accident blackspots at horizontal curves based on jerks
	81	Sandeep Singh, Challa Prathyusha and S Moses Santhakumar	Analysis of time headway distributions on multi-lane highways considering passenger car-heavy vehicle interaction

11 December 2020 (Day 2) Session 3C Traffic Management, Operations and Safety Session Chair: Dr. Tom V Mathew, IIT Bombay			
Joining Link: <a href="https://bit.ly/39TVWx2">https://bit.ly/39TVWx2</a>			
Time	Paper ID	Author(s)	Paper Title
09:30 to 11:30	66	Chintaman Bari, Akash Kumawat, Yogeshwar Navandar and Ashish Dhamaniya	Identifying zone of influence using driving cycles at toll plazas under mixed traffic conditions
	152	Apratim Datta, Gourab Sil and Avijit Maji	Reliability based consistency evaluation of horizontal curves
	153	Abhishek Raj, Bhargava Chilukuri and Shankar Subramanian	Analysis of Overtaking Sight Distance considering Road and Vehicle Parameters
	170	Abhinav Kumar, Apurwa Dhoke and Indrajit Ghosh	Modelling waiting duration of pedestrians at signalized intersection: a hazard based duration approach
	172	Sushma Reddy and Bachu Anil Kumar	Travel time variability analysis of public transit buses using GPS data
	178	Angshuman Pandit, Anuj Kishor Budhkar and Soumya Prasad Dey	Study of pedestrian stream behaviour at mass gathering

11 December 2020 (Day 2) Session 3D Sustainable Land Use Transport Planning Session Chair: Dr. Arkopal K Goswami, IIT Kharagpur			
Joining Link: <a href="https://bit.ly/3gnXX5M">https://bit.ly/3gnXX5M</a>			
Time	Paper ID	Author(s)	Paper Title
09:30 to 11:30	8	Yaksha Chakrawarti	Continuity and change in urban transport development arena - a case of Indore
	54	Prajwal N, Ajay Bailey, Sobin George, Dick Ettema and Lekha Subaiya	Transport disadvantage: understanding ageing and mobility in the peripheral Bengaluru
	109	Saptarshi Sen and Sudip Kumar Roy	Evaluation of user perceived public bus service reliability based on headway deviation approach: a case study
	127	Manivel M and Marisamynathan Sankaran	The factors affecting Indian road user preferences for adopting the electric two-wheeler
	137	Chetan Doddamani and Manoj M	Housing tenure and vehicle ownership: a case study of Hubli-Dharwar twin cities
	171	Mandar Vaidya, Manoj B.S and Arkopal K Goswami	Assessing last-mile connectivity around metro stations: a case of Mumbai



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<b>11 December 2020 (Day 2)</b>			
<b>Session 3E</b>			
<b>Pavement Materials, Analysis and Design</b>			
<b>Session Chair: Dr. Nikhil Saboo, IITBHU</b>			
<b>Joining Link: <a href="https://bit.ly/2VPRwPs">https://bit.ly/2VPRwPs</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>09:30 to 11:30</b>	129	Purbayan Ghosh Mondal and Kranthi Kumar Kuna	Effect of bitumen viscosity, source and temperature on bitumen foam characteristics
	140	Gurunath Guduru and Kranthi Kumar Kuna	Characterization of reclaimed asphalt pavement (RAP) material
	143	Sujit Kumar Pradhan and Umesh Chandra Sahoo	Use of locally available oil type rejuvenators for asphalt recycling
	145	Supriya Mahida, Yogesh Shah, Sangita and Prakash Mehta	An experimental approach towards polystyrene modified bitumen
	147	Amanraj Parmar and A K Anupam	Performance characteristics and effect of gradation on hot mix asphalt and cold mix asphalt

11 December 2020 (Day 2) Session 4A Activity and Transport Demand Session Chair: Dr. S Velmurugan, CSIR-CRRI, Delhi			
Joining Link: <a href="https://bit.ly/2Ldzqoh">https://bit.ly/2Ldzqoh</a>			
Time	Paper ID	Author(s)	Paper Title
11:40 to 13:00	47	Amit Kumar, Vishrut S Ladge and Sumeet Jaiswal	Understanding the impacts of online grocery shopping (e-commerce) on travel demand
	59	Anshamol Rahim, Jomy Thomas and Vishnu Baburajan	A study on the user satisfaction level of Kochi metro
	73	Harsha M M, Raviraj H Mulangi, Dinesh Kumar H D and Kishore Kumar M G	Analysis of passenger flow using electronic ticket machine data
	174	Praveen Samarthi and Kumar Molugaram	Development of mode choice model for domestic tourist travel: a case study of Hyderabad city

11 December 2020 (Day 2) Session 4B Traffic Management, Operations and Safety Session Chair: Dr. Pushpa Choudhary, IIT Roorkee			
Joining Link: <a href="https://bit.ly/33R5SDI">https://bit.ly/33R5SDI</a>			
Time	Paper ID	Author(s)	Paper Title
11:40 to 13:00	49	Asmita Subedi and Arpan Mehar	Passenger car units (PCUS) of vehicles on two-lane highway sections with horizontal curves and tangent grades
	60	Sathya Prakash and Krishnamurthy Karuppanagounder	Does the crossing time of pedestrian is same for all road crossing patterns? – A study at mid-block
	64	Gayathri K B, Krishnamurthy Karuppanagounder and M V L R Anjaneyulu	Evaluation of the effectiveness of traffic calming measures
	65	Shivaraj Halyal, Raviraj H Mulangi, Harsha M M and Himanshu Laddha	Comparative assessment of journey time, speed and delay characteristics of HDBRTS and heterogeneous traffic: case study on speed and delay method

11 December 2020 (Day 2) Session 4C Traffic Management, Operations and Safety Session Chair: Dr. Digvijay Pawar, IIT Hyderabad			
Joining Link: <a href="https://bit.ly/39TVWx2">https://bit.ly/39TVWx2</a>			
Time	Paper ID	Author(s)	Paper Title
11:40 to 13:00	92	Ninad Gore, Srinivas Pulugurtha, Shrinivas Arkatkar and Gaurang Joshi	Urban arterials vs freeways: a comparative evaluation using travel time reliability measures
	93	Nidhi Kathait and Amit Agarwal	Behaviour of drivers towards vehicle idling at signalized intersections
	102	Anu Mariya, Sheela Alex and Padmakumar Radhakrishnan	Surrogate safety assessment of vehicular conflicts at lane drops
	103	Sanjana N, Sheela Alex and Padmakumar Radhakrishnan	Assessment of protected and unprotected crosswalks using surrogate safety measures

11 December 2020 (Day 2) Session 4D Traffic Management, Operations and Safety Session Chair: Dr. Anuj K Budhkar, IEST, Shibpur			
Joining Link: <a href="https://bit.ly/3gnXX5M">https://bit.ly/3gnXX5M</a>			
Time	Paper ID	Author(s)	Paper Title
11:40 to 13:00	112	Sandeep Manthirikul, Vijay Teja Amshala and Udit Jain	Application of existing pedestrian and vehicle delay models at controlled mid-block crosswalks in Indian conditions: a case study of Hyderabad city
	120	Utakarsh Gupta, Chintaman Bari, Yogeshwar Navandar and Ashish Dhamaniya	Microsimulation approach for toll plaza operations-a case study
	122	Aneesh Babu, Muhammed Hafiz and Anusha S.P.	Evaluation of effectiveness of RFID sensors for delay estimation under mixed traffic conditions
	123	Muhammed Hafiz, Aneesh Babu and Anusha S P	Delay estimation model for a pre-timed signalized intersection under mixed traffic conditions



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<b>11 December 2020 (Day 2)</b>			
<b>Session 4E</b>			
<b>Pavement Materials, Analysis and Design</b>			
<b>Session Chair: Dr. Aniket Kataware, Larsen &amp; Turbo, Mumbai</b>			
<b>Joining Link: <a href="https://bit.ly/2VPRwPs">https://bit.ly/2VPRwPs</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>11:40 to 13:00</b>	131	Piotr Mazurowski and Sneha Bhosale	Pavement optimisation with hexagonal stabilisation geogrids – research and case studies
	135	Kishan Patel and Rajesh Gujar	A review of remote sensing methodologies for the pavement surface analysis
	151	Mayuresh Kankrale, Satya Lakshmi Aparna Noojilla and Sudhakar Reddy Kusam	Investigations on infrared light-induced healing of bituminous mixtures
	173	Neelansh Mathur, Naga Siva Pavani Peraka and Krishna Prapoorna Biligiri	Deep neural network based road roughness prediction model

<b>11 December 2020 (Day 2)</b>			
<b>Session 5A</b>			
<b>Traffic Management, Operations and Safety</b>			
<b>Session Chair: Dr. Bandhan Bandhu Majumdar, BITS Pilani, Hyderabad</b>			
<b>Joining Link: <a href="https://bit.ly/2Ldzqoh">https://bit.ly/2Ldzqoh</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>14:00 to 16:00</b>	107	Nawid Shirzai and Indrajit Ghosh	Review of studies on crash mitigation measures at signalized intersections
	108	Kurri Mounika and K Krishnamurthy	Assessing the prevalence rate of self- reported helmet usage in Calicut
	130	Sujeet Sahoo, Surya Narayan Mallick and Prasanta Kumar Bhuyan	Acceleration and deceleration behavior of two wheeler on flyovers using GPS
	136	Arunabha Banerjee, Rahul Raoniar and Akhilesh Kumar Maurya	Estimation of pedestrian walking speed over elevated facilities using deep neural network
	162	Jay Mistry, Purvang Chaudhari, Shriniwas Arkatkar and Ankita Sharma	Evaluation of strategies to improve operational characteristics of multi- legged intersection using vissim

<b>11 December 2020 (Day 2)</b>			
<b>Session 5B</b>			
<b>Traffic Management, Operations and Safety</b>			
<b>Session Chair: Dr. M.B. Sushma, KIT, Warangal</b>			
<b>Joining Link: <a href="https://bit.ly/33R5SDI">https://bit.ly/33R5SDI</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>14:00 to 16:00</b>	75	Manish Dutta and Mokaddes Ali Ahmed	Modelling aggressive clearing behaviour of right turning drivers at unsignalized intersections
	77	Suprava Jena, Amit Kumar, Manish Dutta and Prasanta Kumar Bhuyan	Examining induced fuzziness in drivers' perception to determine urban street level of service
	110	Sandeep Manthirikul, Vijay Teja Amshala and Udit Jain	A critical review on global warrants of grade separated pedestrian crossing facilities
	117	Sanket Gupta, Vishrut Landge and Udit Jain	Public transport system in Nagpur
	146	Somya Agarwal, Durgesh Vikram and Ajit Pratap Singh	Analysis of pedestrian gap- acceptance behaviour under different traffic characteristics: a case study of uncontrolled mid-block road section

11 December 2020 (Day 2) Session 5C Traffic Management, Operations and Safety Session Chair: Dr. Sudip Kumar Roy, IEST, Shibpur			
Joining Link: <a href="https://bit.ly/39TVWx2">https://bit.ly/39TVWx2</a>			
Time	Paper ID	Author(s)	Paper Title
14:00 to 16:00	84	Suprabeet Datta, Siddhartha Rokade and Sarvesh P S Rajput	Evaluation of urban uncontrolled intersections through capacity and level of service assessment
	111	Omkar Bidkar, Shriniwas Arkatkar and Gaurang Joshi	Investigating the effect of construction work-zone on rear-end conflicts by vehicle type for varying traffic flow conditions
	113	Athira J, Geeva George and Tom V Mathew	Design of traffic signal considering safety and sustainability parameters
	128	Salini P N, Anish Kini B and Gopika Mohan	Effect of two-wheelers and cars on saturation flow and capacity at signalised intersections in heterogeneous traffic conditions
	163	Challa Prathyusha, Sandeep Singh and P Sivananda	GIS based spatial analysis of urban traffic accidents: a case study in Bangalore city
	179	Dileep R. Nair, Padmakumar Radhakrishnan and Sheela Alex	Assessment of improvement in road safety through markings: a surrogate safety measure based approach

11 December 2020 (Day 2) Session 5D Traffic Management, Operations and Safety Session Chair: Dr. Monalisa Patra, VJTI, Mumbai			
Joining Link: <a href="https://bit.ly/3gnXX5M">https://bit.ly/3gnXX5M</a>			
Time	Paper ID	Author(s)	Paper Title
14:00 to 16:00	41	Shubham Patil, Narayana Raju and Shriniwas Arkatkar	A surrogate safety framework incorporating the surrounding vehicles
	44	Vijay Kumar T, Vivek R Das and Drisya Manghat	Development of automobile level of service criteria for the urban corridors with heterogeneous traffic
	46	Swathy P Mohan, Archana S and Ebin Sam S	Safety impact analysis of lane conversion on selected highway corridor
	138	Yawar Ali, Ritvik Chauhan, Shriniwas Arkatkar and Ashish Dhamaniya	Conflict risk assessment at signalized intersection using empirical and simulated vehicle trajectories
	139	Surya H R, Narayana Raju and Shriniwas Arkatkar	Analysis of stability and fundamental diagrams under mixed traffic flow using vehicular trajectory data



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<b>11 December 2020 (Day 2)</b>			
<b>Session 5E</b>			
<b>Pavement Materials, Analysis and Design</b>			
<b>Session Chair: Dr. Umesh Sahoo, IIT Bhubaneswar</b>			
<b>Joining Link: <a href="https://bit.ly/2VPRwPs">https://bit.ly/2VPRwPs</a></b>			
<b>Time</b>	<b>Paper ID</b>	<b>Author(s)</b>	<b>Paper Title</b>
<b>14:00 to 16:00</b>	88	Khailish Khatri, Mohd Tahir Ansari, Vishnu R and Venkaiah Chowdary	Evaluation of fourier transform infrared spectroscopy indices to explain the rutting susceptibility of rejuvenated recycled blends
	89	Soorya Koshy, Praveen A and Ajitha T	Evaluation of adequacy of pavement design practice of using CBR to capture resilient responses of lateritic subgrade soil
	91	Sakthivelan Ramachandran and Veeraragavan A	Optimal intervention of preventive maintenance selection
	96	Jaykumar Soni and Rajesh Gujar	A review on improving pavement deficiency methods using artificial intelligence