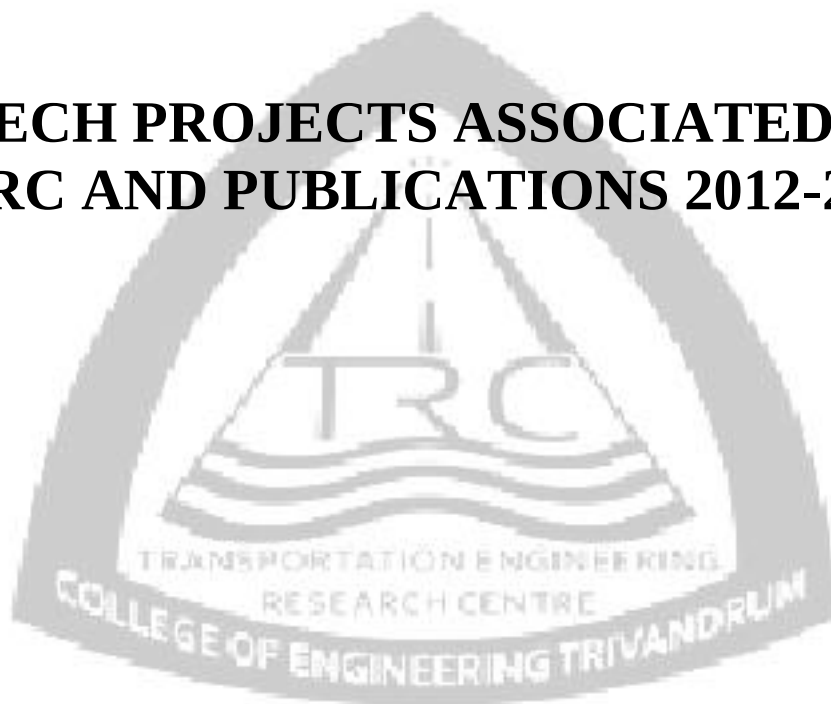


M. TECH PROJECTS ASSOCIATED WITH TRC AND PUBLICATIONS 2012-2025



List of M Tech Projects Associated with TRC and Publications 2012-2024

Sl. No	Project Id. Associated	Title of Research Project	Title of M.Tech Thesis	Publications/Conferences
1	TRC 12 CET RP1	A critical analysis of road safety issues in mixed traffic flow on urban streets Dr. R Padmakumar & Dr. Sheela Alex	1. Safety Analysis and Crash Prediction Model for Urban Roads In Trivandrum City (Joe Joseph) 2. Traffic safety analysis on rural roads (Arun T Moonjely) 3. Geographic Information System Aided Hotspot Identification and Analysis (Rose Mary Xavier)	1. "Effect of Road Characteristics on Road Safety: Study in Trivandrum Rural Highways" Arun Moonjely, Padmakumar R. (NCTT, 2014) 2. "Identification of Hot Spots for Road Crashes In Trivandrum City" Joe Joseph, Padmakumar R (NCTT, 2014) 3. Hot Spot Identification Using GIS" Rose Mary Xavier., R. Padmakumar (NCTT, 2014)
2	TRC12 CET RP 2	Analysis of usage of pedestrian facilities and its impact on capacity reduction of urban and sub urban streets Dr. Ashalatha and Salini	4. Influence of Pedestrians on Capacity of Urban Arterials	1. Manu, O Kuttan., Salini, S., and Ashalatha, R. (2013). Influence of Pedestrians on Capacity of Urban Arterials, National Conference on Technological Trends, College of Engineering, Trivandrum. 2. Salini, S., Manu, O Kuttan., and Ashalatha, R. (2014). Impact of pedestrians on capacity of urban arterials, Proceedings of Colloquium on Transportation Systems Engineering and Management (CTSEM), NIT Calicut.
3	TRC 12 CET RP 4	Utilization of plastic waste in bituminous mixes for road construction Dr. Manju V. S.	5. Utilization of plastic waste in bituminous mixes for road construction	Bhageerathi K. P., Anu P. Alex, Manju V. S., Raji A. K., "Utilisation of Medical Plastic Waste in Road Construction", National Conference on Changing Climatic Scenario and Sustainable Resource Management (CSSR 2014), 17-19 January 2014, NSS College of Engineering, Palakkad.

4	TRC 12 CET RP 5	Experimental investigation on effect of coir Geotextiles on reduction of pavement distress in asphalt overlays Dr.Loui.T.R ,Dr.M.Satya kumar, Dr.Padmakumar	6. Experimental investigation on effect of coir geotextiles on creep characteristics of bituminous concrete 7. Finite element analysis of effect of coir geotextiles on fatigue life of bituminous pavements	1.Experimental investigation on effect of coir geotextiles on creep characteristics of bituminous concrete, 13th national conference on technological trends NCTT 2012 -103 Pp 1-7 2. Study on influence of coir geotextile and bitumen content on shear resistance of bituminous overlays. International journal of scientific & engineering research Aug 2013 Vol 4, pp 7-13 3. Finite element analysis of effect of coir geotextiles on fatigue life of bituminous pavements International conference on modeling and simulation in civil engineering. (ICMSC 2013) Pp 451-457 4. Finite element analysis of coir geotextiles modified flexible pavement based on fatigue failure criterion International journal of advance research in engineering and technology. Jan 2014 Volume 5, pp.112-122 5. Experimental investigation on effect of coir geotextile on rutting characteristics on asphalt overlays. Indian Highways, July 2014 Vol 42 No.7 Pp.13-22.
5	TRC 12 CET RP 6	GIS based road information system for Trivandrum City Dr. Manju V. S.	8. GIS based road information system for Trivandrm city -by Cynthia Baby Daniel- 2013	Cynthia Baby Daniel, Manju V.S, 'WebGIS enabled Route Planning System for Tourists - A Case Study', International conference, ICETEST18.3
6	TRC 12 CET RP7	Study on Compatibility and Field Investigation of Inter Locking Concrete Blocks Over Periodically Distressed Road Sections in Kerala Dr. Satheesh Chandran R	9. Interlocking Concrete Block Pavements: A case study-by Jayasankar Shaji (2013)	M Satyakumar, R Satheesh Chandran, Anil.R and Jayasankar Shaji (2014) "Interlocking Concrete Block Pavements: A case study". Paper Id:202 Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut India May 12-13,2014.

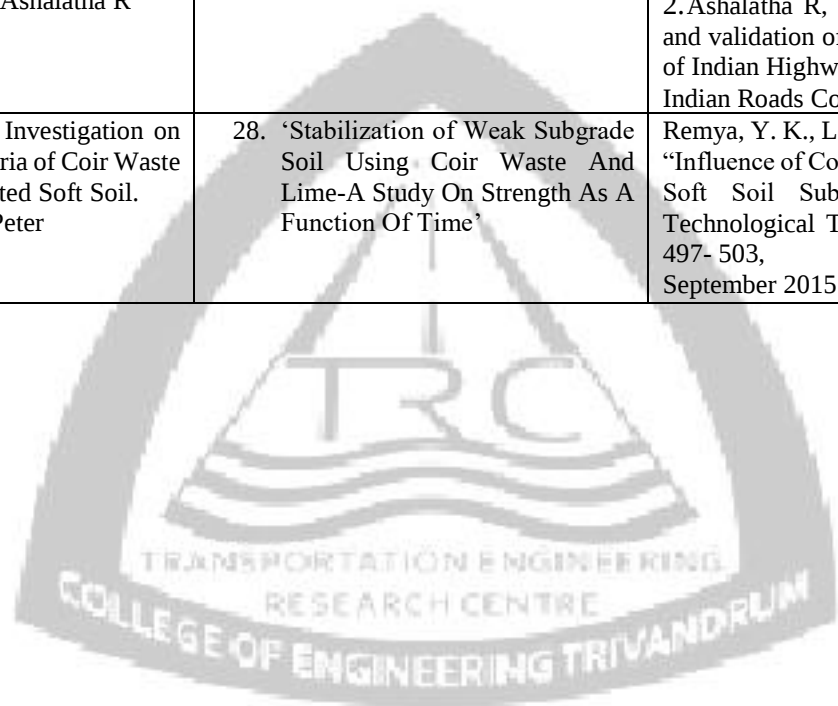
7	TRC 12 CET RP8	Evaluation & pavement performance analysis of major road stretches in Trivandrum city Dr. Priya R	10. Development of Pavement Deterioration Model for the Road Networks in Trivandrum City (2012) 11. Evaluation of Effect of Surface Drainage on Pavement Performance (2013) 12. Application of Artificial Intelligence for the Development of Pavement Deterioration Model for the Major Road Stretches of Trivandrum City. (2015) 13. Development of GIS Based Database and Pavement Performance Analysis for Road Networks Within Trivandrum Corporation. (2016)	1. “Development of Pavement Deterioration Model for the Road Networks in Trivandrum City”, Soumya R. S, Dr.Priya R, (NCTT-2012) 2. “Evaluation of Effect of Surface Drainage on Pavement Performance” Nimisha Mathew, Dr.Priya R (NCTT-2013) 3. “Application of Artificial Intelligence for the Development of Pavement Deterioration Model for the Major Road Stretches of Trivandrum City” Sreeji P. Sreekumar, Dr.Priya R (NCTT- 2015) 4. “Development of GIS Based Data Base and Pavement Performance Analysis for Road Networks within Trivandrum Corporation” Jeswin J, Dr.Priya R (NCTT-2016)
8	TRC 12 CET RP9	Development of A Methodology For Rapid Routine Maintenance of Roads of Kerala (1 st phase) Dr. Binu Sara Mathew, Dr. Priya R, & Dr. Leema Peter Fabrication of pothole patching equipment and experimentation (2 nd phase) Dr. Priya R	14. Fabrication equipment for Pothole patching. (2013)	

9	TRC 13- CET RP1	Effect of Turning Adjustment Factors at Signalized Intersections. Prof. Preethi P and Dr.Ashalatha	15. Estimation of Right Turn Adjustment Factor at Signalised Intersection Under Heterogeneous Traffic Condition- Shwaetha Radha Devi-2014	1) Aswathy,P., Preethi, P., Ashalatha, R. (2014). Modelling Right Turn Adjustment Factor of Saturation flow at Signalized Intersection, Proceedings of 15 th National Conference on Technological Trends, College of Engineering Trivandrum, 538- 542. 2) Neethu Mariam Johns., Preethi, P., Ashalatha, R. (2016). Control Delay Variability under heterogeneous Traffic Conditions, Proceedings of 17th National Conference on Technological Trends, College of Engineering Trivandrum, Thiruvananthapuram, 807- 811. 3)Shwaetha Radha Devi and Preethi P (2017). Effect of exclusive bus lanes on performance of signalised intersections, Proceedings of 18th National Conference on Technological Trends, College of Engineering Trivandrum, Thiruvananthapuram, 652-656. 4) Navathy M K and Preethi P (2017). Impact of right turn lane on performance of signalised intersections under heterogeneous traffic conditions, Proceedings of 18th National Conference on Technological Trends, College of Engineering Trivandrum, Thiruvananthapuram, 646-651.
10	TRC 13 CET RP2	Effect of traffic characteristics on GHG emissions Dr. Manju V. S.	16. Estimation of Vehicular Emission in Thiruvananthapuram City using IVE Model	Development of Vehicular Emission Inventory for Trivandrum City', National Conference on Technological Trends (NCTT), 2014 August
11	TRC 13- CET RP4	Laboratory Experiments	17. Laboratory experiments on reclaimed asphalt pavements By Rashid A-2014 2.Effect of Warm Mix Asphalt on Reclaimed Asphalt Pavements By Sethu Parvathy K.S- 2015	1.Rashid A and Ashalatha R. (2014). Laboratory experiments on reclaimed asphalt pavements, Fifteenth National Conference on Technological Trends, College of Engineering, Trivandrum. 2.Sethu Parvathy K.S and Ashalatha R. (2015). Effect of Warm Mix Asphalt on Reclaimed Asphalt Pavements By Sethu Parvathy K.S 16th National Conference on Technological Trends, College of Engineering, Trivandrum- 2015
12	TRC 13- CET RP5	Moisture susceptibility of bituminous mixes Dr. Priya R	18. Moisture Susceptibility of HMA Mixtures Modified with Nano Sized Lime (2014)	1. "Effect on Addition of Sub Nano Sized Quick Lime on the Properties of Bitumen" Maneeta Sukumaran, Dr. Priya R (NCTT- 2014)

13	TRC 13- CET RP 3	Laboratory investigation on the effect of stabilization of expansive subgrade soil on service life of pavements Dr. Leema Peter &Dr. Binu Sara Mathew	19. 'Effect of Stabilization of Weak Subgrade Soil on The Service Life of Pavement By Alka Raj	1.Jayasree, P. K., Balan, K., Leema, P. and Nisha, K. K. (2015). "Volume Change Behaviour of Expansive Soil Stabilized with Coir Waste", ASCE Journal of Materials in Civil Engineering, Vol. 27, No. 6, Jun 2015, pp 04014195-1 to 8. 2.Leema Peter, Jayasree,P.K .,Balan,K and Alaka Raj, S. (2014). "Laboratory Investigation in the Improvement of Subgrade Characteristics of Expansive Soil Stabilized with Coir Waste", Transportation Research Procedia, Elsevier
14	TRC 14 CET RP1	Emergency Information System for Trivandrum City Dr. Anil.R	20. "Travel time estimation model and routing for emergency vehicles", Jesh J 2016-18.	1.M.Satyakumar, Anil R. and Aiswarya P.G. (2014) "Emergency Information Systemfor Thiruvananthapuram City" International conference on Sustainable Civil Infrastructure(ICSCI2014) Jointly organised by American Society of Civil Engineers(ASCE) India session and IIT Hyderabad during Oct 17- 18, 2014. 2. Anil.R and Jesh.J (2018) "Travel time estimation model for emergency vehicles under heterogeneous traffic conditions in India - a case study of emergency information and management system for trivandrum city" has been submitted at the 21st IEEE International Conference on Intelligent Transportation Systems, to be held on November 4-7, 2018 at Maui, Hawaii, USA.
15	TRC 14 CET RP3	Experimental Investigations on the Effect of Nanoclay Additive on the Properties of Bituminous Concrete Mix Dr. Binu Sara Mathew	21. Experimental Investigation on Properties of Bituminous Concrete Modified Using Nanoclay and Sasobit By Aswana Sara Thomas 2016	Aswana Sara Thomas and Binu sara Mathew, "Experimental Investigation on Properties of Bituminous Concrete Modified Using Nanoclay", 18th National Conference on Technological Trends (NCTT), 21-22 July 2017, College of Engineering Trivandrum, Thiruvananthapuram
16	TRC 14 CET RP4	Traffic noise analysis for Thiruvananthapuram city using GIS Dr. SwarnalathaK.,Prof. B. Thulaseedharan Nair& Dr. Binu Sara Mathew	22. Nithya S Kurup- Traffic noise analysis for Tvm city -2015 23. Harees "A study on the suitability of hedges in noise attenuation in Thiruvananthapuram city'- 2017	1.Harees A. M and Dr. Swarnalatha K, 'Traffic noise attenuation using hedges in Thiruvananthapuram city', 18th National Conference on Technological Trends (NCTT), 21-22 July 2017, College of Engineering Trivandrum, Thiruvananthapuram. 2.Harees A.M, Reshma S Kumar, Dr. Swarnalatha K and Dr. Binu Sara Mathew, 'Identification of plant varieties for development of Green belt in Thiruvananthapuram city', ASCE India Conference 2017, 12-14 December 2017, IIT Delhi, New Delhi .

17	TRC 14 CET RP6	Performance Evaluation of Open Graded Friction Course mix Containing Surface Treated Coir Fibre and Hydrated Lime Evaluation of the effect of temperature on mechanical response of Coir Geotextile modified flexible pavement system. Dr.Loui.T.R	24. Experimental investigation on effect of coir geotextile on rutting characteristics on asphalt overlays By ChandraBose- 2014 25. Study on the effect of Temperature on Geotextile Modified Bituminous Pavement By Aswathy S-2015	1.Experimental investigation on effect of coir geotextile on rutting characteristics on asphalt overlays. Indian Highways, July 2014 Vol 42 No.7 Pp 13-22 2. Study on Open Graded Friction Course Mixes with Surface Treated Coir Fibre and Natural Rubber,Modified Bitumen. National Conference on Technological Trends. NCTT 2014 Pp 271-276 3.Laboratory Evaluation On The Performance Of Modified Bitumen In Wearing Course, National Conference on Technological Trends (NCTT)- 2014College of Engineering Trivandrum, NCTT 2014 Pp 265-270 5.Effect of temperature on rutting potential of a geotextile modified bituminous pavements, 16th national conference on technological trends(NCTT- 2015) 6. Effect of temperature on rutting potential of a geotextile modified bituminous pavements, 3rd international Conference on Modeling and Simulation in Civil Engineering ICMSC 2015, 9-11 Dec 2015 7.Performance Evaluation of coir geotextile reinforced bituminous overlays-A case study, Coir Kerala 2016 proceedings of international seminar, February 2016 8.Sensitivity analysis of effect of temperature on rutting performance of coir geotextiles modified flexible pavement system, Compendium of research articles,uses and established Enviornmental Friendly Applications of Coir Geotextiles,National Coir research & Management Institute Thiruvananthapuram, 4th Feb 2017
18	TRC 14 CET RP8	Automated pothole detection & quantification using depth sensor Kinect Dr. Priya R	26. Automated Pothole detection using Kinect Sensor. By Sanjiv S-	Automated Pothole detection using Kinect Sensor, Sanjeev S. Kumar, Dr.Priya R - NCTT- 2016

19	TRC 14 RP 11	Simulation of Bus stops on Urban Arterials under Heterogeneous traffic condition Salini and Dr.Ashalatha R	27. Determination of Impacts of Busstops on Traffic Flow By Sreelekshmi S- 2015	1.Sreelekshmi S and Ashalatha R (2015). Calibration of VISSIM for Simulating Bus Stops on Indian Urban Roads. Proceedings of 16th National Conference on Technological Trends, College of Engineering-NCTT Trivandrum, Thiruvananthapuram. 2.Ashalatha R, Salini S and Sreelekshmi S. (2018) Calibration and validation of Vissim for urban heterogeneous traffic. Journal of Indian Highways, Indian Roads Congress, Vol 46 (1), pp. 13-26.
20	TRC 15 CET RP1	Experimental Investigation on Strength Criteria of Coir Waste and Lime treated Soft Soil. Prof. Leema Peter	28. 'Stabilization of Weak Subgrade Soil Using Coir Waste And Lime-A Study On Strength As A Function Of Time'	Remya, Y. K., Leema Peter., Jayasree, P. K. and Balan,K. (2015). "Influence of Coir Waste and Lime On Strength Characteristics of Soft Soil Subgrade", Proc. of National Conference on Technological Trends, College of Engineering Trivandrum, pp 497- 503, September 2015



21	TRC 15 CET RP2	A study on Automobile Air pollution in Thiruvananthapuram City Dr. Swarnalatha K, Dr.Binu Sara Mathew & Dr.Manju V.S	29. Reshma S Kumar, 'Study on vehicular pollution in Thiruvananthapuram city', 2017 (submitted) 30. Saranya Mohan, Effect of traffic air pollution on human health, 2016	1.Saranya Mohan I and Dr. Swarnalatha K, 'Human health risk assessment of inhalation exposure to air pollution in Thiruvananthapuram city', International Conference on Information Systems, Energy, Environment and Safety- Emerging Scenarios (ISEES), 29-30 September 2016, Government Engineering College, Barton Hill, Thiruvananthapuram. 2.Reshma S Kumar and Dr. Swarnalatha K, 'Estimation of Vehicular Emission based on road traffic parameters', International Conference on Information Systems, Energy, Environment and Safety- Emerging Scenarios (ISEES), 29-30 September 2016, Government Engineering College, Barton Hill, Thiruvananthapuram. 3.Reshma S Kumar and Dr. Swarnalatha K, 'Prediction of Vehicular Exhaust Emission for Thiruvananthapuram city', 3rd International Conference on Materials, Mechanics and Management (IMMM), 13-15 July 2017, College of Engineering Trivandrum, Thiruvananthapuram. 4.Reshma S Kumar and Dr. Swarnalatha K, 'Ambient air quality status of major traffic intersections in Thiruvananthapuram city', 18th National Conference on Technological Trends (NCTT), 21-22 July 2017, College of Engineering Trivandrum, Thiruvananthapuram. 5. Harees A.M, Reshma S Kumar, Dr. Swarnalatha K and Dr. Binu Sara Mathew, 'Identification of plant varieties for development of Green belt in Thiruvananthapuram city', ASCE India Conference 2017, 12-14 December 2017, IIT Delhi, New Delhi.
23	TRC 15 CET RP4	Investigation on Pavement Performance Dr. R Padmakumar	31. "Evaluation of Pavement Distress Using Non-Destructive Methods" by Kiran.	"Evaluation of Pavement Distress Using Non-Destructive Methods", National conference on Technological Trends (NCTT), 2016 August.

24	TRC 15 CET RP5	Investigation on Structural and Geological Aspects of Road Aggregates & Their Impact on Performance of Road Mixes Dr. R Padmakumar	32. Mapping of quarries based on aggregate mineral properties and accessibility 33. Engineering and Geological studies on aggregates and pavement mixes By Sruthi Sugathan 2016	International journals, 1. Engineering and Geological Evaluation of Rock Materials as Aggregates for Pavement Construction. International Advanced Research Journal in Science Engineering and Technology. (SCI). 2. National Conference on Emerging Trends in Engineering and Technology (NCETET'16). Lourdes Matha College of Science and Technology, Thiruvananthapuram, Vol.3, Special Issue 3, August 2016.
25	TRC 15 CET RP6	Emergency Response Management System Dr. R Padmakumar	34. "GIS Assisted Emergency Response Management System" by Sneha J P	"Hospital Transport Accessibility" National conference on Technological Trends (NCTT), 2016 August
26	TRC 15 CET RP8	Automatic Traffic Video Analysis Dr. Jiji. C. V, Dr. R. Priya, Linu Shine	35. Automatic detection and recognition of automobiles from surveillance video with time stamp using machine learning technique. (Ambily Gopal (M4 SP)) 36. Development and implementation of deep neural network for vehicle detection on-road traffic. (Fathima Suhana M (M4 SP)) 37. A deep neural net for real_time detection and classification of cars in traffic. (Blessy) M4 MNE))	
27	TRC 16 CET RP2	Surrogate Safety Measures and Pedestrian Vulnerability Dr. R Padmakumar	38. "Assessment of Surrogate Safety Measure as a Crash Prediction Technique 7in Heterogeneous Traffic" By Abin Joseph 39. "Surrogate safety measures and Pedestrian Vulnerability" By Arun Krishnan	"Assessment of Surrogate Safety Measures as a Crash Prediction Technique in Heterogenous Traffic", National conference on Technological Trends (NCTT), August 2016

			V K 40. M. Tech Mini Project on “Surrogate safety measures at median openings.” By Bobby S M	
29	TRC16 CET RP3	Measurement of Subgrade Soil Layer Stiffness using Bender Elements- Dr. Jaya V. Dr. Binu Sara Mathew	41. Study on correlation of shear modulus with CBR. 42. Study on correlation of shear modulus with Cone Penetration Value	“A Study on Correlation of Shear Modulus of Soil with California Bearing Ratio and Dynamic Cone Penetration Value” International Conference on emerging trends to engg science and technology. ICETEST 2018 at GEC THRISSUR. Jan 18-20, 2018.
30	TRC16 CET RP4	Finite Element and Experimental Analysis on Performance of ICB Pavements Dr. R Padmakumar, Dr. R.S Priyadarsini	43. Analysis of ICBP using FEM: Anandhu BS	
31	TRC16 CET RP5	Analysis of Short Panelled Concrete Pavements.Dr. Binu Sara Mathew	44. Rahul R. “Stress Strain Analysis of Short Panelled Concrete Pavements”	Rahul R and Binu Sara Mathew “Stress Strain Analysis of Short Panelled Concrete Pavements” 18th National Conference on Technological Trends (NCTT), 21-22. July 2017, College of Engineering Trivandrum, Thiruvananthapuram
32	TRC 17 CET RP 1	Geo-spatial investigation to restore Chilakoor navigation tunnel in Thiruvananthapuram district - Strengthening inland navigation under changing traffic scenario in Kerala Dr. Loui.T.R, Dr.Biju Longhinos	45. Feasibility Study on Green and Economic Development of Inland Navigation Between Kollam and Kovalam By Adhin Prabhakar C- 2018	
33	TRC 17 CET RP 2	Real Time Monitoring of Traffic in an Urban Arterial using Radio- Frequency Identification and Bluetooth Sensors Dr. Anusha S P., Dr. R.	46. Travel Time Prediction under Heterogeneous Traffic Conditions using RFID & Bluetooth Sensors- By Akhilesh Jayan-2018	Jayan, A. and Anusha, S.P., 2019. Evaluation of effectiveness of RFID and bluetooth sensors for travel time studies under mixed traffic conditions (No. 19-04397). Transportation Research Board 98th Annual Meeting

		Padmakumar	47. Evaluation of effectiveness of RFID sensors for performance analysis of signalised intersections under mixed traffic conditions- by Praveena Raj 2019 48. Development of an adaptive signal control system for mixed traffic conditions- by Aneesh Babu 2021 49. Real time delay estimation model for pre-timed signalised intersection under mixed traffic conditions- Muhammed Hafiz, A.N. 2021	Jayan, A. and Anusha, S.P., 2020. Travel Time Prediction under Mixed Traffic Conditions Using RFID and Bluetooth Sensors. Periodica Polytechnica Transportation Engineering, 48(3), pp.276-289. Ghosh, T., Anusha, S.P., Babu, A. and Vanajakshi, L.D., 2023. Performance evaluation of a dynamic signal control system for mixed traffic conditions using sparse data. Transportation research record, 2677(10), pp.797-807. Muhammed Hafiz, A.N. and Anusha, S.P., 2022. Real-time delay estimation model for mixed traffic conditions using RFID detections as data source. Transportation in developing economies, 8(2), p.22.
34	TRC 17 CET RP3	Evaluation of Smart Speed (Feedback Speed) limits signs under Indian conditions Dr. Anusha S P.	50. Prioritization of Accident Black Spots and Development of Accident Prediction Model for Kerala – by Binu U-2018 51. Traffic Congestion Monitoring Using RFID, GPS and GIS By Hareesh P K-2018. 52. Evaluation of Effectiveness RFID sensors for Performance Analysis of Signalised Intersections Under Mixed Traffic Flow Conditions.By Praveena -2019	
35	TRC18 CETRP2	Development of a sustainable mobility plan for Kazhakoottam Dr. Manju V S., Dr.Anu P Alex, Dr. Leema Peter	53. Attitude of Travellers Towards Parking Pricing – A Case Study- by Naveen R J 54. Estimation of Accessibility by Non Motorised Transport using GIS- by Swetha C V	Anu P. Alex, Hima V, Manju V S, Leema Peter, “Assessment of Sustainable Mobility Indicators for an Emerging Satellite City in India”, Environment, Development and Sustainability https://doi.org/10.1007/s10668-022-02466-5 Jinit J. M. D’Cruz, Anu P. Alex, V. S. Manju, Leema Peter, Impact assessment of short-term management measures on travel

			55. Air Pollution as Sustainable Indicator-A Case Study- Cijin Jayakumar 56. Assessment of level of service of road stretches in Kazhakuttom- B.tech project 57. Determination of Level of service of transit user facilities – by Abhilasha S 58. Sustainability assessment of transportation at Kazhakuttom – by Hima V 59. Impact assessment of short term management measures on travel demand using CUBE Voyager- Jinit J Dcruz	demand, Archives of Transport, Vol. 53. Issue 1, 2020, pg: 37 – 52. DOI: 10.5604/01.3001.0014.17432020 Abhilasha Santhosh Kumar, Dr. Anu P Alex, Dr. Manju V S and Gopika Vinayakumar. “Determination of Level of Service of pedestrian facilities-A case study”, 7th Conference on Transportation Systems Engineering and Management, December 2020. Pg: 62-65. Swetha C V, Dr. Manju V S, Dr. Anu Alex and Leema Peter. ”Estimation Of Accessibility By Non – Motorised Transportation Using GIS”, 7Th Conference on Transportation Systems Engineering and Management, December 2020. Pg:75-77 Cijin Jayakumar, Dr. Manju V S, Dr. Anu P Alex and Dr. Leema Peter. “Modelling Of Pollutants – A Case Study” 7Th Conference on Transportation Systems Engineering and Management, December 2020. Pg 78-82 Gauri Nair, Devi Priya B, Theerdha B S, Varsha B, Dr. Anu P Alex, Dr. Manju V S “Emission Inventory At Kazhakuttom Using GIS”. 7th Conference on Transportation Systems Engineering and Management, December 2020. Pg 71-74
36	TRC23C ET-RP1	Evaluation of Coated Coir Geotextile Reinforced Flexible Pavement Dr. Anil R	60. Analysis of performance enhancement in coated coir geotextiles 61. Field assessment and evaluation of coir geotextile used in road construction 62. Evaluating coir geotextile durability using physical and chemical methods	Archa G, Devika R, Jayita V M, Anil R “Study of degradation of natural coir geotextile and its performance assessment using coating materials” Proceedings in 15th International conference on transportation planning and implementation methodologies for developing countries (TPMDC 2024)
37	TRC23CETR P2	Development of mix design methodology for Full Depth Reclamation projects with cement and emulsion as stabilizers	63. Identification of the Suitability of Cement and Emulsion as Stabilizers for Full Depth Reclamation Bases 64. PERFORMANCE EVALUATION OF EMULSIFIED FULL DEPTH	Arathy S Nair and Thushara V T. (2024)“Development of Rational Mix Design for Emulsified-bitumen Full-Depth Reclamation (EFDR)” Second International Conference on Infrastructure

			RECLAMATION USING DIFFERENT CEMENT TYPES AND DOSAGES by Angel James Evaluation of Full Depth Reclamation bases for enhanced pavement performance (B.Tech Project)	Development: Resilience, Sustainability and Transformational Adaptation. (presentation) Angel James and Thushara V T (2025) Performance Evaluation of Emulsified Full Depth Reclamation Using Different Cement Types and Dosages, Accepted for presentation for 8th Conference of Transportation Research Group of India (CTRG-2025) to be held at IIT Guwahati, Assam, during 17–20 December 2025.
38	TRC23CET RP4	DRISHTI - An AI based distraction alert system for Indian roads	Analysis of motorised two-wheeler rider behaviour through short term naturalistic riding study (B. Tech. Project) 65. Hotspot detection with instrumented two-wheeler and hot spot analysis- by Suhana Leenas 66. Assessing the Performance of Semantic Segmentation Algorithms for Indian Roads- by Anoop K.S. 67. Intelligent distraction alert system for Indian Roads- by Chandratejas K.K. System for Estimating Alignment of Roads (B Tech project)	Adila Jamal, Vandhana P., Ashmi R.V., Avani T. P., Sumina Zakeer, Anusha S.P and Jerrin Thomas Panachakel, Proactive road safety assessment using collision pair detection and surrogate safety measures: A data driven approach, 8 th CTRG, IIT Guwahati, December 2025. , J. T., Anusree, R., & Anusha, S. P. (2024, October). Assessing the Performance of Instance Segmentation Algorithms for Indian Roads. In 2024 IEEE 12th Region 10 Humanitarian Technology Conference (R10-HTC) (pp. 1-6). IEEE. Mohan, C., Arundhati, G. M., Laurette, R. C., Sabu, A., Panachakel, J. T., & Anusha, S. P. (2024, September). A comprehensive review of image segmentation architectures. In 2024 11th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI) (pp. 223-229). IEEE. Anoop, K. S., Chandrathejas, K. K., & Anusha, S. P. (2025, June). Real-Time Two-Stage Detection of Indian Traffic Signboards Using YOLO11 on Jetson Orin Nano. In 2025 International Conference on Advancements in Power, Communication and Intelligent Systems (APCI) (pp. 1-6). IEEE.