



Dr. Ashish Dhamaniya

Present Position: Associate Professor (Civil Engineering)
Specialization: Transportation Engineering
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1.0 EDUCATIONAL QUALIFICATION

S. No.	Qualification	Name of Institute/University	Year of Passing	Division/Grade
1.	Ph.D.	IIT Roorkee	2014	A
2.	M.Tech (Transportation Engineering)	MNIT, Jaipur	2003	Honors
3.	B.E. (Civil Engineering)	M.B.M. Engineering College, Jai Narayan Vyas University, Jodhpur	2001	First Class

2.0 PROFESSIONAL EXPERIENCE

S. No.	Organization	Position	Duration	Years of Experience
1.	Sardar Vallbbhbhai National Institute of Technology (SVNIT) Surat Gujarat	Associate Professor (AGP 9500)	28/01/19 to till date	2 Yr. 1 Month
2.	Sardar Vallbbhbhai National Institute of Technology (SVNIT) Surat Gujarat	Assistant Professor (AGP 6000)	04/09/2007 to 27/01/19	11 Yr. 04 Months
3.	G.B. Pant Engineering College Pauri Garhwal Utrakhnad	Lecturer (AGP 6000)	05/05/2006 to 24/08/2007	1 Yr. 03 Months
4.	Institute of Engineering & Technology, Dr. B.R. Ambedker University Agra, U.P.	Lecturer (Fifth Pay Scale)	28/07/2004 to 04/05/2006	1 Yr. 10 Months

3.0 EXTERNAL RESEARCH PROJECT COMPLETED OR ONGOING

S. No.	Name of The Project	Sponsoring Agency	Amount	Role	Present Status
1.	Warrants for automation of toll plazas under mixed traffic conditions	DST-DAAD	40 Lakhs	Principal Investigator (Indian Side)	Ongoing
2.	Operational Efficiency and Measure of Congestion on Urban Roadway Network	Directorate of Technical Education, Government of Gujarat	02 Lakhs	Principal Collaborator	Ongoing
3.	Traffic and Pedestrian Movement Analysis at Undesignated Pedestrian Crossings on Urban Midblock Sections	Science and Engineering research Board (SERB), Department of Science & Technology (DST) New Delhi	23.91 Lakhs	Principal Investigator	Completed
4.	Development of Indo-Highway Capacity Manual (Indo-HCM)	CSIR-Central Road Research Institute (CRRI) New Delhi	100.45 Lakhs	Co-Investigator	Completed
5.	Study of Speed Flow Characteristics and Flow behaviour under Mixed Traffic Condition in Indian Urban Context	Indian Roads Congress (IRC), New Delhi	35.10 Lakhs	Co-Investigator	Completed
6.	Performance Monitoring of PMGSY roads in South Gujarat Region (21 Roads)	Gujarat State Rural Road Development Agency (GSRRDA) and National Rural Road Development Agency (NRRDA), New Delhi	2.5% of Project Cost	Principal Investigator	Ongoing
7.	Operational Efficiency of Urban Roadway Links using Performance Box	TEQIP-III Micro Project, SVNIT	2.00 Lakhs	Principal Investigator	Ongoing
8.	Study on Road Accident Investigation and Development of Star Rating based on Roadway Geometrics and Traffic Attributes	TEQIP Funded	0.45 Lakhs	Principal Investigator	Completed
9.	Safety Assessment at Signalised Intersections under Mixed Traffic Conditions under Weak Lane Discipline Traffic using Trajectory Data	TEQIP Funded	0.50 Lakhs	Principal Investigator	Ongoing
10.	Development of Web Based Road Accident Database Management System for Surat City	Gujarat Council of Science & Technology, Gandhinagar	10.00 Lakhs	Principal Investigator	Applied

4.0 CONSULTANCY PROJECTS

S. No.	Name of The Project	Sponsoring Agency	Amount	Year	Present Status
1.	Professional Services for Design and Estimation of ONGC Road from Muler to GGS-V in Gandhar Field (7.2 km)	Oil and Natural Gas Company Ltd. (ONGC), Ankleshwar, Gujarat	16,48,720/-	2015	Completed
2.	Strengthening of ONGC valve station approach road at Bhata. (2.0 km)	Oil and Natural Gas Company Ltd. (ONGC), Hazira Plant, Surat, Gujarat	5,43,822/-	2016	Completed
3.	Providing advisory services including preparing a detailed manual / guideline for road works within Surat city	Surat Municipal Corporation (SMC), Surat	10,20,000/-	2017	Completed
4.	Traffic Survey and Feasibility for FOBs at various Locations in Surat City	Surat Municipal Corporation (SMC), Surat	4,42,000/-	2017	Completed
5.	Traffic Study for junction improvement scheme for Sahara Gate Junction, Surat.	Surat Municipal Corporation (SMC) Surat	10,00,000/-	2017	Completed
6.	Feasibility Study for the Setting Up of Truck Parking Terminal at Kandla.	WAPCOS Limited Pune	6,00,000/-	2016	Completed
7.	Providing consultancy for detailed engineering design for rigid and flexible pavements on both side of existing canal, R.C.C. conduit for existing canal section etc. and allied works from PAL R.T.O. junction to Amroli-Sayan road (up to outer ring road) via linear park in West Zone of Surat city.	Surat Municipal Corporation (SMC) Surat	8,00,000/- (0.3% of total project cost)	2016	Completed
8.	Providing Consultancy for detailed engineering design for rigid and flexible pavements on either side of existing canal, Storm Water drainage network etc. and allied works from Anuvrat Dwar to Surat-Dumas road via G. D. Goenka School & From Sachin-Magdalla road (Mangalam Heights) to Jamanaba Park.	Surat Municipal Corporation (SMC) Surat	10,00,000/- (0.3% of total project cost)	2017	Ongoing
9.	Consultancy services for technical audit and quality assurance for work of Construction of additional new bridge with approaches at Tad creek in Diu district	Public Works Department (PWD), W.D. – II, Diu	18,53,785/-	2015	Completed

S. No.	Name of The Project	Sponsoring Agency	Amount	Year	Present Status
10.	Consultancy services for technical audit and quality assurance for road works under Tapi (R & B) Division Vyara	Road & Building Department Division – Vyara	14,33,740/-	2016	Completed
11.	Consultancy services for technical audit and quality assurance for Surat-Navsari road and Bilimora Chikli Road under Surat and Navsari (R & B) Division	19,60,000/-	19,60,000/-	2015	Ongoing
12.	Road Safety Audit for various roads of R&B Department in South Gujarat region.	Road & Building Department Surat	10,00,000/- (3500/- per visit)	2015-2017	Ongoing

5.0 Ph.D. COMPLETED/SUBMITTED/ONGOING

S. No.	Name of Student	Thesis Title	Month & Year of Registration	Present Status
1.	Navandar Yogeshwar Vijaykumar	Traffic Flow Analysis at Toll Plaza under Mixed Traffic Conditions	July 2015 (Full Time)	Completed
2.	Manish Patkar	Impact of Side Friction on Capacity of Urban Midblock Sections in India	Dec. 2015 (Part Time)	Completed
3.	Patel Pinakin Narayanbhai	Analysis of Traffic Stream Characteristics at urban Signalised Intersection under Mixed traffic Conditions	Dec. 2015 (Part Time)	Completed
4.	Hareshkumar Dahyabhai Golakiya	Traffic and Pedestrian Movement Analysis at Undesignated Pedestrian Crossings on Urban Midblock Sections	July 2016 (Full Time)	Completed
5.	Khan Asir Vali Mohd.	Traffic Flow Analysis at Four Legged Roundabouts under Mixed Traffic Conditions	July 2015 (Part time)	Ongoing
6.	Satish S. Barmade	Evaluation of Stabilized RAP and RCA for use in Base/Sub-base Layer of Flexible Pavement	Dec. 2016 (Part Time)	Ongoing
7.	Ritvik Chauhan	Safety Assessment at Signalized Intersections under Mixed Traffic Conditions under Weak Lane Discipline	July 2018 (Full Time)	Ongoing

S. No.	Name of Student	Thesis Title	Month & Year of Registration	Present Status
		Traffic using Trajectory Data		
8.	Chintaman Santosh Bari	Capacity and Level of Service Study at Toll Plazas under Mixed Traffic Conditions	July 2019 (Full Time)	Ongoing
9.	Rajesh Chouhan	Development of Warrants for Automation of Toll Plazas using Machine learning	July 2020 (Full Time)	Ongoing

6.0 JOURNAL PAPERS IN SCIENCE CITATION INDEX OR SCOPUS

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
1.	Transport Policy	Service time variability at manual operated tollbooths under mixed traffic environment: Towards level-of-service thresholds	106	2021
2.	Current Science	Investigation on the determinants of service headway variability at tollbooths under mixed traffic scenario in emerging countries	In Press	2021
3.	Transportation Research Record, Journal of Transportation Research Board USA	Developing Mixed Traffic Equivalency Factors to Estimate Saturation Flow at Urban Signalized Intersections Transportation Research Record	In Press	2021
4.	Transportation Letters	Impact of COVID-19 on Educational Trips- An Indian Case Study https://doi.org/10.1080/19427867.2021.1896064 .	In press	2021
5.	Journal of Transportation Engineering, Part A: Systems, American Society of Civil Engineers (ASCE)	Re-Examining Pedestrian Crossing Warrants based on Vehicular Delay at Urban Arterial Midblock Sections under Mixed Traffic Conditions. DOI: 10.1061/JTEPBS.0000538	In press	2021
6.	Transportation in Developing Economies	Analysis of Vehicle Specific Acceleration and Deceleration Characteristics at Toll Plazas in India. https://doi.org/10.1007/s40890-021-00115-6	7(1) 1-19	2021
7.	Transportation Research Procedia	Developing Policy Framework of Dynamic Toll Pricing in India. https://doi.org/10.1016/j.trpro.2021.01.072	52, 605-612	2021
8.	Transportation Research Procedia	Towards a Game Theoretic Approach to Model Pedestrian Road Crossings. https://doi.org/10.1016/j.trpro.2021.01.083	52, 692-699	2021

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
9.	International Journal of Transportation Science and Technology	Delay modelling at manually operated toll plazas under mixed traffic conditions. https://doi.org/10.1016/j.ijtst.2020.10.001	-	2020
10.	Journal of Hazardous, Toxic, and Radioactive Waste	Vehicular Emission Modeling at Toll Plaza Using Performance Box Data. DOI: 10.1061/(ASCE)HZ.2153-5515.0000550	24 (4), 05020003	2020
11.	Transportation Letters	Empirical analysis of level of service at toll plaza by using ordered probit model. https://doi.org/10.1080/19427867.2019.1694201	12 (10), 692-700	2020
12.	Journal of transportation engineering, Part A: Systems	Influence of nonmotorized vehicles on speed characteristics and capacity of mixed motorized traffic of urban arterial midblock sections. DOI: 10.1061/JTEPBS.0000325	146 (4), 04020013	2020
13.	Proceedings of the Institution of Civil Engineers-Transport	Headway distribution for manually operated tollbooths in India in mixed traffic conditions. https://doi.org/10.1680/jtran.17.00138	173 (1), 30-38	2020
14.	Arabian Journal for Science and Engineering	Developing Capacity Reduction Factors for Curbside Bus Stops Under Heterogeneous Traffic Conditions. https://doi.org/10.1007/s13369-019-04309-4	1-15	2020
15.	Transportation Research Procedia	Evaluating LOS at urban midblock section under the influence of crossing pedestrians in mixed traffic conditions. https://doi.org/10.1016/j.trpro.2020.08.079	48, 777-792	2020
16.	Transportation Research Procedia	A Quick Method for Estimation of Level of Service at Manually Operated Tollbooths under Mixed Traffic Conditions. https://doi.org/10.1016/j.trpro.2020.08.178	48, 3107-3120	2020
17.	Transportation Research Procedia	Mapping Pedestrian-Vehicle Behavior at Urban Undesignated Mid-Block Crossings under Mixed Traffic Environment—A Trajectory-Based Approach. https://doi.org/10.1016/j.trpro.2020.08.148Get	48, 1263-1277	2020
18.	Recent Advances in Traffic Engineering	Performance Evaluation of Urban Roadway Links Using V-Box. https://doi.org/10.1007/978-981-15-3742-4_16	243-263	2020
19.	European Transport\Trasporti Europei	Evaluating safe distance for pedestrians on urban midblock sections using trajectory plots	75	2020
20.	Transportation Research	Financial Feasibility Analysis of Truck Parking Terminal—A Case Study. https://doi.org/10.1007/978-981-32-9042-6_21	263-274	

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
21.	Transportation Research	Modelling Dynamic PCUs Using Occupancy Time Approach at Urban Signalised Intersections Under Mixed Traffic Conditions. https://doi.org/10.1007/978-981-32-9042-6_34	429-439	
22.	Transportation Research	Vehicle Category-Wise Service Time Analysis at Tollbooths Under Mixed Traffic Scenario. https://doi.org/10.1007/978-981-32-9042-6_52	663-673	
23.	Transportation Research	Analysis of Vehicular Pedestrian Interaction at Urban Undesignated Mid-block Sections. https://doi.org/10.1007/978-981-32-9042-6_31	389-407	2020
24.	Journal of the Eastern Asia Society for Transportation Studies	Analysis of Level of Service for Manually Operated Tollbooths under Mixed Traffic Scenario. https://doi.org/10.11175/easts.13.1648	13, 1648-1663	2019
25.	Journal of the Eastern Asia Society for Transportation Studies	Service Time Variation Analysis at Manually Operated Toll Plazas under Mixed Traffic conditions in India. https://doi.org/10.11175/easts.13.331	13, 331-350	2019
26.	Journal of the Eastern Asia Society for Transportation Studies	Effect of side friction parameter on urban road traffic: under mixed traffic scenario. https://doi.org/10.11175/easts.13.314	13, 314-330	2019
27.	Journal of Transportation Engineering, Part A: Systems, American Society of Civil Engineers (ASCE)	Modeling Speed and Capacity Estimation at Urban Midblock Sections under the Influence of Crossing Pedestrians https://doi.org/10.1061/JTEPBS.0000260	145(9), 1–14	2019
28.	Arabian Journal for Science and Engineering, Springer	Impact of Midblock Pedestrian Crossing on Speed Characteristics and Capacity of Urban Arterials https://doi.org/10.1007/s13369-019-03786-x	44(10), 8675-8689	2019
29.	Journal of Transportation Engineering, Part A: Systems, American Society of Civil Engineers (ASCE)	Traffic Flow Analysis at Manual Toll Booth Operation under Mixed Traffic Conditions doi: 10.1061/JTEPBS.0000247	145(6)	2019
30.	Transportation Research Procedia, Elsevier	Empirical Analysis of Level of Service based on Users Perception at Manual Tollbooth Operation in India doi: 10.1016/j.trpro.2018.12198	37	2019

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
31.	European Transport \ Trasporti Europei	Effect of On-street parking on effective Carriageway Width and Capacity of Urban Arterial Roads in India	Issue 73	2019
32.	Proceedings of the Institution of Civil Engineers - Transport, ICE publication	Headway Distribution for Manually Operated Tollbooths in India in Mixed Traffic Condition doi: http://doi.org/10.1680/jtran.17.00138	ISSN 0965-092X	2018
33.	European Transport \ Trasporti Europei	Service Time Prediction Models for Manual Toll Booth Operation under Mixed Traffic Conditions	68(9)	2018
34.	Urbanization Challenges in Emerging Economies, ASCE	Vehicle Class wise Service Time Prediction Models for Tollbooths under Mixed Traffic Conditions doi: http://doi.org/10.1061/9780784482025.081	794-806	2018
35.	Urbanization Challenges in Emerging Economies, ASCE	Evaluation of Pedestrian Safety Index at Urban Mid-Block https://doi.org/10.1061/9780784482025.069	676–687	2018
36.	International Journal of Civil Engineering. Springer Publications Iran	Influence of Operating Speed on Capacity of Urban Arterial Midblock Sections International Journal of Civil Engineering. Springer Publications Iran 15(7) / 2017		2017
37.	Transport Research Procedia	Conceptual Approach of estimating PCU at Roundabouts Transport Research Procedia/2017 DOI: org/10.1016/j.trpro.2017.05.297		2017
38.	Transport Research Procedia	Modelling Speed on 4-Lane Urban Arterials under Mixed Traffic Conditions DOI: org/10.1016/j.trpro.2017.05.297		2017
39.	Transport Research Procedia	Roundabout Capacity in Heterogeneous Traffic Condition: Modification of HCM Equation and Calibration, Transport Research Procedia/2017 DOI: 10.1016/j.trpro.2017.12.147		2017
40.	Transport Research Procedia	Effect of Traffic Mix on Capacity of Urban Arterial Roads Transport Research Procedia/2017 DOI: org/10.1016/j.trpro.2017.05.297		2017
41.	Transport Research Procedia	Effect of heterogeneous motorized traffic on saturation flow at signalized intersections DOI: org/10.1016/j.trpro.2017.05.297		2017
42.	Transportation Research Record, Journal of Transportation Research Board USA	Conceptual Approach for Estimating Dynamic PCU on Urban Arterial Roads using Simultaneous Equations Transportation Research Record, Journal of Transportation Research Board, Washington D.C., USA USA 2553 / 2016		2016

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
43.	Transportation Letters, International Journal of Transportation Research USA	Time Occupancy as a Measure of PCU at Four Legged Roundabouts Transportation Letters, International Journal of Transportation Research USA DOI No.: 10.1080/19427867.2016 / 2016		2016
44.	Journal of the Indian Society of Remote Sensing India	Development of Web Based Road Accident Data Management System in GIS Environment: a Case Study Journal of the Indian Society of Remote Sensing India 44(5) / 2016		2016
45.	European Transport\Trasporti Europei Italy	Effect of Mixed Traffic Characteristics on Saturation Flow and Passenger Car Units at Signalised Intersections European Transport\Trasporti Europei Italy 59 / 2015		2015
46.	Transportation Research Record, Journal of Transportation Research Board USA	Influence of Undesignated Pedestrian Crossings on Midblock Capacity of Urban Roads Transportation Research Record, Journal of Transportation Research Board USA 2461 / 2014		2014
47.	Journal of the Indian Society of Remote Sensing India	Maintenance Criteria of PMGSY Roads in Second Phase of Planning: A Case Study Journal of the Indian Society of Remote Sensing India 42(4) / 2014		2014
48.	Traffic Engineering & Control United Kingdom	Speed Based Capacity Model for Urban Arterial Roads Traffic Engineering & Control United Kingdom 55(2) / 2014		2014
49.	Transportation Research Circular No. E-C190, Innovative applications of the Highway Capacity Manual 2010, USA	Influence of Undesignated Pedestrian Crossings on Midblock Capacity of Urban Roads Transportation Research Circular No. E-C190, Innovative applications of the Highway Capacity Manual 2010, USA 2014		2014
50.	Journal of Transportation Engineering, ASCE	Concept of Stream Equivalency Factor for Heterogeneous Traffic on Urban Arterial Roads Journal of Transportation Engineering, ASCE USA 139(11) / 2013		2013
51.	Urban Transportation Systems, ASCE USA	Development of Accident Prediction Model under Mixed Traffic Conditions-A Case Study Urban Transportation Systems, ASCE USA DOI: 10.1061/9780784413210.012 / 2013		2013
52.	Procedia, Social and Behaviorol	Speed Prediction Models for Urban Arterials under Mixed Traffic Conditions Procedia, Social and		2013

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
	Sciences, EISEVIER Publications The Netherlands	Behavirol Sciences, EISEVIER Publications The Netherlands DOI: 10.1016/j.sbspro.2013.11. / 2013		
53.	Proceedings of 18 th International Conference of Hong Kong Society for Transportation Studies (HKSTS) Hong Kong	Speed Distribution and Free Speed Characteristics on Urban Arterials under Mixed Traffic Conditions 18 th International Conference of Hong Kong Society for Transportation Studies (HKSTS) Hong Kong 18 / 2013		2013

7.0 PAPERS IN OTHER REPUTED JOURNALS

S. No.	Name of Journal	Title of Paper	Vol/Issue No.	Year
1.	Journal of Traffic and Logistics Engineering Germany	Influence of Crossing Pedestrians at Undesignated Locations on Capacity of 4-lane Urban Midblock Sections Journal of Traffic and Logistics Engineering Germany	5(1)	2017
2.	Urban Transport Journal, Institute of Urban Transport (India)	Estimation of Capacity of Expressways in India using Dynamic PCU Value Urban Transport Journal, Institute of Urban Transport (India) India	15(1)	2016

8.0 CONFERENCE PAPER IN SCIENCE CITATION INDEX (SCI) OR SCOPUS OR WEB OF SCIENCE CONFERENCE OR ANY INTERNATIONALLY RENOWNED CONFERENCE

S. No.	Name of Conference	Title of Paper	Vol No.	Year
1.	International Conference on Recent Advances in Civil Engineering for Sustainable Development (RACESD), February 13-14, 2021 (Awarded as Best paper)	Analysis of Geometric Design Elements at Toll Plazas Under Mixed Traffic Environment		2021
2.	International Conference on Recent Advances in Civil Engineering for Sustainable Development (RACESD), February 13-14, 2021	Examining Zone of Influence at Toll Plazas under Mixed Traffic Conditions		2021
3.	100 th Transportation Research Board (TRB) Annual Meeting January 21- 24, 2021, Washington, D.C, U.S.A	Driving Behavior at Signalized Intersections Operating under Disordered Traffic Conditions	100	2021

S. No.	Name of Conference	Title of Paper	Vol No.	Year
4.	100 th Transportation Research Board (TRB) Annual Meeting January 21-24, 2021, Washington, D.C, U.S.A	Impact Assessment of Emissions Due to Provision of Toll Plazas on Highways -An Indian Experience	100	2021
5.	100 th Transportation Research Board (TRB) Annual Meeting January 21-24, 2021, Washington, D.C, U.S.A	Optimizing Toll Plaza Operations using Microsimulation Approach: A Case Study of Ghoti Toll Plaza in India	100	2021
6.	100 th Transportation Research Board (TRB) Annual Meeting January 21-24, 2021, Washington, D.C, U.S.A	Developing Mixed Traffic Equivalency Factors to Estimate Saturation Flow at Urban Signalized Intersections Transportation Research Record	100	
7.	7 th Conference on Transportation Systems Engineering and Management. December 29-30, 2020 KSTCE-NATPAC and College of Engineering Trivandrum, India. (<i>Best Paper Award</i>)	Effect of Heterogeneity on Safety aspects at Signalized Intersection using Surrogate Safety Measures.		2020
8.	13 th International (Online) Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), 10 and 11 December, 2020	Microsimulation Approach for Toll Plaza Operations-A Case Study		2020
9.	13 th International (Online) Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), 10 and 11 December, 2020	Identifying Zone of Influence using Driving Cycles at Toll Plazas under Mixed Traffic Conditions		2020
10.	International Conference on Advances in Civil Engineering, ACE 2020, (An event of Diamond Jubilee Celebration of the Institute), 5-7 th November, 2020.	Dynamic Toll Pricing: A Framework for Tollway Operations in India		2020
11.	23 rd EURO Working Group on Transportation Meeting, EWGT 2020, Paphos, Cyprus, 16-18 September 2020.	Evaluation of Factors Affecting Performance of Tollbooth Operators using Analytical Hierarchy Process (AHP)- An Indian Experience		2020
12.	23 rd EURO Working Group on Transportation Meeting, EWGT 2020, Paphos, Cyprus, 16-18 September 2020.	Developing Policy Framework of Dynamic Toll Pricing in India		2020
13.	99 th Transportation Research Board (TRB) 99 th Annual Meeting January 12–16, 2020, Washington, D.C, U.S.A	Vehicle Behavior Parameters Estimation at Signalized Intersection Under Mix Traffic Condition using Trajectory Data		2020
14.	5 th Conference of the Transportation Research Group of India (CTRG-	Control Delay Estimation at Signalized Intersections using Trajectory data		2019

S. No.	Name of Conference	Title of Paper	Vol No.	Year
	2019) between 18 - 21 December, 2019			
15.	13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019	Analysis of Level of Service for Manually Operated Tollbooths under Mixed Traffic Scenario		2019
16.	13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019	Service Time variation Analysis at Manually Operated Toll Plazas under Mixed Traffic Conditions in India		2019
17.	13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019	Statistical Distribution Analysis of Clearance Time at Manually Operated Toll Plazas under Mixed Traffic Conditions		2019
18.	13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019	Study on Acceleration and Deceleration Characteristics of Vehicles Influenced by Crossing Pedestrians at Urban Midblock Sections		2019
19.	13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019	Roundabout Entry Capacity Estimation Under Heterogeneous Traffic Conditions		2019
20.	13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019	Effect of Side Friction Parameter on Urban Road Traffic: Under Mixed Traffic Scenario		2019
21.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	A Quick Method for Estimation of Level of Service at Manually Operated Tollbooths under Mixed Traffic Conditions		2019
22.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	Evaluating LOS at Urban Midblock Section under the Influence of Crossing Pedestrians in Mixed Traffic Conditions		2019
23.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	Mapping Pedestrian-Vehicle Behavior at Urban Undesignated Mid-Block Crossings under Mixed Traffic Environment – A Trajectory-Based Approach		2019
24.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	Analysis of Level of Service at Toll Plaza by using Fuzzy Logic Approach		2019
25.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	A Quick Method for Estimation of Level of Service at Manually Operated Tollbooths under Mixed Traffic Conditions		2019

S. No.	Name of Conference	Title of Paper	Vol No.	Year
26.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	Calibration of HCM equation to estimate the saturation flow at signalized junction under mixed traffic		2019
27.	World Conference on Transport Research (WCTR), IIT Bombay, India, May 26-31, 2019	Traffic Equivalency Factor for Mixed Traffic to Estimate the Saturation flow at Signalized Junctions		2019
28.	98 th TRB Annual Meeting, Washington D.C. (United States), January 13-17,2019.	Roundabout Entry Capacity Model Under Heterogeneous Traffic Condition: Modification Factor for HCM Equation		2019
29.	97 th TRB Annual Meeting, Washington D.C. (United States), Paper Number 18-02549, January 7-11, 2018.	Concept of Stream Equivalency Factor: A Measure of Heterogeneous Traffic at Tollbooths in India		2018
30.	97 th TRB Annual Meeting, Washington D.C. (United States), Paper Number 18-02683, January 7-11, 2018.	Concept of Tollbooth Equivalency Factor at Toll Plaza under Mixed Traffic Condition		2018
31.	97 th TRB Annual Meeting, Washington D.C. (United States), Paper Number 18-02683, January 7-11, 2018.	Modification in HCM Equation of Roundabout Capacity under Heterogeneous Traffic Condition.		2018
32.	97 th TRB Annual Meeting, Washington D.C. (United States), Paper Number 18-02683, January 7-11, 2018.	Effect of Traffic Composition on Capacity of Six-Lane Urban Arterial Midblock Sections.		2018
33.	97 th TRB Annual Meeting, Washington D.C. (United States), Paper Number 18-02683, January 7-11, 2018.	Speed Prediction Model on Four-Lane Urban Arterials Under Mixed Traffic Conditions by Using Simultaneous Equation Approach.		2018
34.	21 st EURO Working Group on Transportation Meeting (EWGT-2018), Braunschweig, Germany, 17-19 th September 2018	Empirical Analysis of Level of Service based on Users Perception at Manual Tollbooth Operation in India		2018
35.	21 st EURO Working Group on Transportation Meeting (EWGT-2018), Braunschweig, Germany, 17-19 th September 2018	Stream equivalency factor for mixed traffic at urban signalized intersections		2018
36.	Eastern Asia Society for Transportation Studies, 12 th International Conference of EASTS, Ho Chi Minh City (Vietnam), September 17-19, 2017	Distribution of Service Time at Toll Plaza in India under Mixed Traffic Condition		2017
37.	96 th Annual Meeting of Transportation Research Board (TRB), Washington, DC, USA. January 2017	Lane Change as a Measure of Capacity Reduction near Curbside Bus Stops under Mixed Traffic Conditions		2017
38.	96 th Annual Meeting of Transportation Research Board (TRB), Washington, DC, USA. January 2017	Development of Capacity Model for Urban Arterials using VISSIM		2017
39.	96 th Annual Meeting of Transportation Research Board	New Methodology for Estimating PCU on Multi Lane Urban Roads under		2017

S. No.	Name of Conference	Title of Paper	Vol No.	Year
	(TRB), Washington, DC, USA. January 2017	Mixed Traffic Scenario Based on Area Occupancy		
40.	20 th EURO working group on Transportation Meeting EWGT 2017, Budapest, Hungary. September 04-06, 2017.	Roundabout Capacity in Heterogeneous Traffic Condition: Modification of HCM Equation and Calibration		
41.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017.	Stream Equivalency Factor: A Measure of Heterogeneous Traffic at Tollbooths in India		2017
42.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017.	Headway Distribution at Tollbooth in India under Mixed Traffic Condition		2017
43.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017	Vehicle Categories-wise Service Time Analysis at Tollbooths under Mixed Traffic Scenario		2017
44.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017	Evaluation of pedestrian flow characteristics at roundabouts in a mixed traffic scenario.		2017
45.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017	Financial feasibility analysis of truck parking terminal: A case study		2017
46.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017	Analysis of Vehicular Pedestrian Interaction at Urban Undesignated Mid-Block Sections.		2017
47.	4 th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017	Modelling Dynamic PCUs using Occupancy Time Approach at Urban Signalized Intersections under Mixed Traffic Conditions		2017
48.	ASCE India Conference, IIT Delhi (India), December 12-14, 2017	Vehicle Class wise Service Time Prediction Models for Tollbooths under Mixed Traffic Conditions		2017
49.	ASCE India Conference, IIT Delhi (India), December 12-14, 2017	Evaluation of Pedestrian Safety Index at Urban Mid-Block		2017
50.	12 th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), IIT Bombay (India), December 19-21, 2016	An approach of estimating vehicle equivalency factors at toll booths in India		2016
51.	95 th Annual Meeting of Transportation Research Board (TRB), Washington, DC, USA. January 2016	Conceptual Approach for Estimating Dynamic PCU on Urban Arterial Roads using Simultaneous Equations		2016
52.	14 th World Conference on Transport Research (WCTR), Tongji University, Shanghai, China, July 10-15, 2016	Conceptual Approach of Estimating PCU at Roundabouts		2016

S. No.	Name of Conference	Title of Paper	Vol No.	Year
53.	14 th World Conference on Transport Research (WCTR), Tongji University, Shanghai, China, July 10-15, 2016	Effect of Traffic Mix on Capacity of Urban Arterial Roads		2016
54.	14 th World Conference on Transport Research (WCTR), Tongji University, Shanghai, China, July 10-15, 2016	Effect of heterogeneous motorized traffic on saturation flow at signalized intersections		2016
55.	14 th World Conference on Transport Research (WCTR), Tongji University, Shanghai, China, July 10-15, 2016	Modelling Speed on 4-lane Urban Arterials under Mixed Traffic Conditions		2016
56.	5th International Conference on Transportation and Traffic Engineering (ICTTE 2016) at University of Lucerne, Switzerland. July 06–08, 2016.	Influence of Crossing Pedestrians at Undesignated Locations on Capacity of 4-lane Urban Midblock Sections		2016
57.	93 rd Annual Meeting of Transportation Research Board (TRB), Washington, DC, USA. January 2014.	Influence of Undesignated Pedestrian Crossings on Midblock Capacity of Urban Roads.		2014
58.	International Conference on Sustainable Civil Infrastructure (ICSCI), Hyderabad, India. 2014.	Capacity Drop of Urban Arterial due to a Curbside Bus Stop		2014
59.	International Conference of Traffic and Transportation Engineering (ICTTE) at Venice, Italy. November 14-15, 2013.	Speed Characteristics of Mixed Traffic Flow on Urban Arterials.		2013
60.	National Conference on Recent Advances in Traffic Engineering (RATE) 2012	A Note on Capacity estimation Methods		2012
61.	International Congress of Environmental Research (ICER) at University of Mauritius, Mauritius. September 16 – 18, 2010.	Road Traffic Air Pollution Level of Surat City: A GIS Approach		2010

9.0 CONFERENCE PAPER IN NATIONAL CONFERENCES

S. No.	Name of Conference	Title of Paper	Vol No.	Year
1.	7 th Conference on Transportation Systems Engineering and Management. December 29-30, 2020 KSTCE-NATPAC and College of Engineering Trivandrum, India.	Capacity Analysis of Toll Plazas in India		2020
2.	2 nd ASCE Conference Challenges of Resilient and Sustainable Infrastructure	Safety Assessment of Discharging Traffic at Signalized Intersection with		2020

S. No.	Name of Conference	Title of Paper	Vol No.	Year
	Development in Emerging Economies, March 02-04, 2020, Kolkata, India	Weak Lane Discipline Traffic using Trajectory Data		
3.	2 nd ASCE Conference Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies, March 02-04, 2020, Kolkata, India	Driving Behavior Analysis for Mixed Traffic Condition with Weak Lane Discipline after Departing from Signalized Intersection		2020
4.	2 nd ASCE India Conference on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), Kolkata (India) March 2-4, 2020.	Waiting Time Analysis at Manually Operated Toll Plazas under Mixed Traffic Conditions in India		2020
5.	Urban Mobility and India Conference and Expo (UMI-2019), Lucknow, 15-17 th November 2019.	Vehicular emission modelling at toll plazas under mixed traffic conditions		2019
6.	6 th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, 14 and 15 th June 2019	Effect of on street parking on speed characteristics and capacity of urban arterial midblock sections		2019
7.	6 th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, 14 and 15 th June 2019.	Acceleration and Deceleration Characteristics of Light and Heavy Commercial Vehicles at Manually Operated Toll Plaza Under Mixed Traffic Conditions (<i>Best paper Award</i>)		2019
8.	6 th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, 14 and 15 th June 2019.	Empirical Analysis of Pedestrians Perception at Undesignated Pedestrian Crossing Midblock Section		2019
9.	6 th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, 14 and 15 th June 2019	Estimation of Vehicular Speed on Urban Arterial Road Using k-Nearest Neighborhood Approach		2019
10.	6 th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, 14 and 15 th June 2019	Waiting Time Distribution Analysis at Toll Plazas Under Mixed Traffic Conditions		2019

S. No.	Name of Conference	Title of Paper	Vol No.	Year
11.	3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, 11 th and 12 th August 2018.	Analysis of Traffic Characteristics at Toll Plaza using Performance Box		2018
12.	3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, 11 th and 12 th August 2018.	Pedestrian Risk Analysis At Undesignated Urban Midblock Section		2018
13.	3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, 11 th and 12 th August 2018.	Behavioural analysis of pedestrian and vehicular drivers during conflict at undesignated mid-block crosswalks		2018
14.	3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, 11 th and 12 th August 2018.	Impact Of Dynamic Passenger Car Units In An Agent-Based Simulation Framework		2018
15.	3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, 11 th and 12 th August 2018.	Performance Evaluation Of Urban Roadway Links Using V-Box		2018
16.	3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, 11 th and 12 th August 2018.	Effect Of Two-Wheeler Proportion On Passenger Car Units At Roundabout In Indian Urban Scenario		2018
17.	5 th Colloquium on Transportation Systems Engineering and Management (CTSEM2018), NIT Warangal, May 17–19, 2018.	Delay Estimation at Urban Midblock Sections under the Influence of Crossing Pedestrians		2018
18.	Indian Roads Congress – Young (IRC–Y) Conference 2018, Nagpur, 27-28 October, 2018	Identifying the degree of aggression in a vehicle-pedestrian conflict at undesignated road crossings		2018
19.	1 st National Conference on Emerging Research and Innovations in Civil Engineering, Surat, 15 to 16 February 2019	To Study Traffic Characteristics of Urban Midblock Section Influenced by Crossing Pedestrians under Mixed Traffic Conditions (<i>Best paper Award</i>)		2018

S. No.	Name of Conference	Title of Paper	Vol No.	Year
20.	Urban Mobility India Conference, Hyderabad (India), November 4-6, 2017.	Level of Service at Toll Plaza under Mixed Traffic Scenario		2017
21.	Urban Mobility India Conference, Hyderabad (India), November 4-6, 2017.	Vehicle Class Wise Speed Prediction Models under the Influence of Crossing Pedestrian at Urban Midblock Sections		2017
22.	National Conference on Road and Transport (NCORT-2017), IIT Roorkee (India), October 14-15, 2017	Tollbooth Capacity Estimation under Mixed Traffic Condition		2017
23.	National Conference on Road and Transport (NCORT-2017), IIT Roorkee (India), October 14-15, 2017	Performance Evaluation of rural roads of South Gujarat Region built with Modified Sub-grade		2017
24.	National Conference on Fifteen Years of Pradhan Mantri Gram Sadak Yojna (FYPMGSY) at IIT Roorkee, India. August 06-07, 2016	Prioritisation Criteria of Maintenance of PMGSY Roads using HDM-4		2016
25.	1 st National Conference on Recent Advances in Civil Engineering	Pedestrian Crossing Behavior at Roundabout		2016

10.0 ADMINISTRATIVE ASSIGNMENTS (INSTITUTE LEVEL)

Sardar Vallbhbhai National Institute of Technology (SVNIT) Surat Gujarat

S. No.	Name of Position	Duration
1.	Professor Incharge –Institute Guesthouse	28/06/2019 till date
2.	Chief Hostel Warden-Narmad Bhavan	1/06/2019 till date
3.	PG Incharge Transportation	22/08/19 till date
4.	Liaison Officer SVNIT	22/10/19 till date
5.	GeM Coordinator, CED	1/04/19 till date
6.	Post Graduate (PG) Incharge – M.Tech. Transportation Engineering & Planning	14/08/2015 to 17/08/2017 (4 Semester)
7.	Assistant Warden	04/08/2008 to 11/06/2011 (5 Semester)
8.	Chairman – Board of Studies – B.E./B.Tech. Civil Engineering	May 2006 to August 2007 (3 Semester)
9.	Faculty Coordinator – Students Sports Activities	January 2005 to April 2006 (3 Semester)
10.	Departmental Coordinator - Student Council Election 2014	2014 – 2015 (1 Semester)
11.	Departmental Coordinator - Student Council Election 2015	2015 – 2016 (1 Semester)
12.	Departmental Coordinator - Student Council Election 2016	2016 – 2017 (1 Semester)
13.	Member – Hindi Cell	2017 – till date (2 Semester)
14.	Member Secretary – Institute Furniture Committee	27/06/2017 to till date (1 Semester)

15.	Member – Institute level Anti-Ragging Committee	12/08/2016
16.	Professor Incharge – Construction & Maintenance	06/09/2016 to 24/11/2017 (1Yr. 3 Months)
17.	Officer Incharge – Civil Maintenance & Water Supply (CMWS)	07/08/2006 to 24/08/2007(1 Yr. 1 Month)
18.	Officer Incharge Sanitation	30/07/2006 to 24/08/2007 (1 Yr. 1 Month)

11.0 ADMINISTRATIVE ASSIGNMENTS (DEPARTMENT LEVEL)

S. No.	Name of Position	Duration
1.	Head – Civil Engineering Department	01/07/2006 to 24/08/2007 (2 Semester)
2.	Placement Coordinator - Civil Engineering Department	January 2005 to April 2006 (3 Semester)
3.	Lab. Incharge – Traffic Engineering & Road Safety	2014 – till date
4.	Lab. Incharge – Traffic Simulation Lab.	2014 – 2017
5.	Lab. Incharge – Transportation Engineering Lab.	2017 – till date
6.	Lab Inchange – Highway Engineering lab.	2007 – 2011
7.	Faculty Incharge – Annual and Monthly Report	2017 – till date
8.	Faculty Incharge – Departmental Website Development	2017 – till date
9.	Faculty Advisor – B.Tech. – III Civil Engg.	16/05/2016
10.	Secondary User – Government E-Marketplace	01/04/2019 – till date

12.0 FACULTY DEVELOPMENT PROGRAM OR SHORT TERM TRAINING PROGRAMME/GIAN PROGRAMME ORGANISED

S. No.	Name of Course	Sponsoring Agency	Duration and No. of Days	Role
1.	Training Programme on MX-Road and AutoCAD Civil 3D Software	TEQIP – II Supported Short Term Training Programme (STTP)	One Week 02/05/2016 to 06/05/2016	Coordinator
2.	15-Days Road Safety Auditors Certification Course	Ministry of Road Transport & Highways and Indian Roads Congress, New Delhi	15 Days 27/01/2021 to 10/02/2021	Coordinator
3.	15-Days Road Safety Auditors Certification Course	Ministry of Road Transport & Highways and Indian Roads Congress, New Delhi	15 Days 27/01/2021 to 10/02/2021	Co-Coordinator
4.	AutoCAD Civil 3D - Civil Infrastructure and Road Design Software	TEQIP – II Supported Workshop	Two days 29/03/2017 to 30/03/2017	Coordinator
5.	Construction & Road Safety Management	TEQIP – II Sponsored Short Term Training Programme (STTP)	One Week 26/10/2015 to 31/10/2015	Coordinator
6.	Approached & Practices in Urban Transportation	AICTE Sponsored Short Term Training Programme (STTP)	One Week 05/01/2009 to 09/01/2009	Coordinator

	Planning			
7.	Discrete Choice Modelling	AICTE Sponsored Short Term Training Programme (STTP)	One week 21/12/2009 to 25/12/2009	Coordinator
8.	Utilization of fly-ash	DST, New Delhi Supported Workshop	Two days 10/06/2011 to 11/06/2011	Coordinator
9.	Training Programme on Plumbing Techniques	Technical Education Quality Improvement Programme (TEQIP) Sponsored Short Term Training Programme (STTP)	Two Week 01/09/2006 to 10/09/2006	Coordinator

13.0 WORKSHOP ORGANISED

Sardar Vallbbhai National Institute of Technology (SVNIT) Surat Gujarat

S. No.	Name of Course	Sponsoring Agency	Duration and No. of Days	Role
1.	AIIB Workshop on “Road Safety Audit and Engineering Measures” (27/09/19-29/09/19)	AIIB	3	Organizing Member
2.	AIIB Workshop on “Road Safety Audit and Engineering Measures” (20/09/19-22/09/19)	AIIB	3	Organizing Member
3.	AIIB Workshop on “Road Safety Audit and Engineering Measures” (30/08/19-01/09/19)	AIIB	3	Organizing Member
4.	AIIB Workshop on “Road Safety Audit and Engineering Measures” (02/08/19-04/08/19)	AIIB	3	Organizing Member
5.	AITD Workshop on “Road Safety Engineering Measures” (24/08/18-28/08/18)	AITD	3	Organizing Member
6.	AITD Workshop on “Road Safety Engineering Measures” (22/07/18-26/07/18)	AITD	3	Organizing Member
7.	AITD Workshop on “Road Safety Engineering Measures” (16/07/18-20/07/18)	AITD	3	Organizing Member
8.	AITD Workshop on “Road Safety Engineering Measures” (16/04/18-16/04/18)	AITD	3	Organizing Member

14.0 NATIONAL OR INTERNATIONAL CONFERENCE ORGANIZED

S. No.	Name of Conference	Duration	Role
1.	6 th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019)	14 and 15 th June 2019	Convener
2.	Recent Advances in Traffic Engineering (RATE-2018)	11/08/2018 to 12/08/2018	Organising Secretary
3.	4 th Conference of Transportation Research Group of India (CTRG) 2017	17/12/2017 to 20/12/2017	Member
4.	Recent Advances in Civil Engineering (RACE – 2016)	05/03/2016 to 06/03/2016	Joint Organising Secretary
5.	Recent Advances in Traffic Engineering (RATE-2015)	03/07/2015 to 04/07/2015	Co-convenors

6.	Sustainable Urban & Transportation Planning: Issues & Management Strategies (SUTRIMS - II)	08/07/2011 to 10/07/2011	Organising Secretary
7.	Sustainable Urban Transportation: Issues & Management Strategies (SUTRIMS)	28/12/2007 to 29/12/2007	Member

15.0 POST GRADUATE DISSERTATION GUIDED

S. No.	Year of Passing	Name of Student	Dissertation Title	Supervisor/Co-Supervisor
1.	2009	Nehal Rana	Study of Traffic Accident Pattern in CBD region of Surat City in GIS Environment	Supervisor
2.	2010	Girish Agola	Upgradation Planning of PMGSY Roads in GIS Environment of Gendevi Block in Navsari District	Supervisor
3.	2010	Jayanti Patel	Development of Flexible Pavement Cost Model For Different Soil CBR and Traffic Conditions of South Gujarat Region	Supervisor
4.	2011	Viral Chaudhary	Flexible Pavement Cost Model for Stabilized Soil CBR using different Stabilizer	Supervisor
5.	2011	Paresh Patel	Modelling of Traffic Accidents for an Arterial Road: A Case study of Surat City	Supervisor
6.	2011	Keyur Patel	Evaluation of Stabilized Subgrade Soil for Construction of Rural Roads on Expansive Soil	Supervisor
7.	2011	Ujjwal Solanki	Study on Soil Stabilization through Innovative Material for Construction of Rural Roads: A case Study of East Gujarat and Saurashtra	Supervisor
8.	2015	Payam Praveen	Lane wise Headway Distribution Study on Urban Arterial under Mixed Traffic Conditions	Supervisor
9.	2015	Sonu Mathew	Study of Mixed Traffic Flow Characteristics at Four Legged Roundabouts	Supervisor
10.	2016	Abhinav Chakarborty	Effect of Countdown Timer on Saturation Flow at Urban Signalized Intersections under Mixed Traffic Conditions	Supervisor
11.	2016	Vinay Gautam	Traffic and Pedestrian Movement Analysis at Urban Midblock Sections	Supervisor
12.	2016	Rajiv Ranjan Mishra	Effect of On-street Parking on Speed-Flow Characteristics of Urban Midblock Section	Supervisor
13.	2017	Rajendra Meena	Urban Arterial Capacity Model through VISSIM Calibrated for Mixed Traffic Conditions	Supervisor

14.	2017	Tania Ann Joseph	Methodology to Simulate Traffic Operations at Roundabout in India	Supervisor
15.	2017	Mahaveer Singh	Service Time and LOS Analysis at Tollbooths in India	Supervisor
16.	2018	Gaurav Yadav	Traffic Operational Performance Evaluation of Urban Roadway Links using V-Box	Supervisor
17.	2018	Dadwal Pawan	Economic Evaluation of Stabilized Subgrade Soil for types of Geogrids	Supervisor
18.	2019	Chintaman Bari	Delay and Emission Modelling at Manually Operated Toll Plazas under Mixed Traffic Conditions	Supervisor
19.	2019	Mahindra Deshmukh	Lateral Placement of Vehicles on Urban Arterial Roads under Mixed Traffic Conditions	Supervisor
20.	2019	Adersh T. V.	Analysis of Traffic Flow Characteristics on Urban Roads using K-Nearest Neighbour and Kriging Approach	Supervisor
21.	2019	Om Krishan Sharma	Evaluating Delay at Midblock Section due to Crossing Pedestrian under Mixed Traffic Conditions	Supervisor
22.	2019	Ankit Sachan	Performance Evaluation of Bituminous Concrete using Warm Mix Asphalt Chemical Additive	Supervisor
23.	2020	Himanshu Swami	Concept of Dynamic Toll Pricing under Mixed Traffic Conditions	Supervisor
24.	2020	Utkarsh Gupta	Development of Simulation Model for Mixed Traffic Conditions at Toll Plaza	Supervisor
25.	2020	Aakash Kumavat	Analysis of Geometric Design Standards at toll Plazas under Mixed Traffic Conditions	Supervisor
26.	2020	Dinesh Kumar Saw	Segment Importance Ranking Approach for Traffic Networks Based on Macroscopic Fundamental Diagram	Supervisor
27.	2020	Vipul Nagawase	Waiting Time Analysis at Manually Operated Toll Plaza under Mixed Traffic Conditions	Supervisor

16.0 UNDER GRADUATE PROJECTS

S. No.	Year of Passing	Project Title	Name of Students
1.	2019	Design and Improvement of existing Intersections in Urban Areas	Naman Thawani, Shivasai Krupakar, Mihir Brahmakshatriya

2.	2018	GIS Mapping of Road Accident Data on Urban Arterial – Case Study of Surat City	Prashant Singh, Manoj Kumar, Punit Verma, Vinit Soni
3.	2017	Performance evaluation of urban roadway links using V-Box	Kumar Garg, Jitendra Patel, Meena Kamal, Karim Abdul
4.	2016	Subgrade soil improvement using nanotechnology based materials	Donthula Chandra, Dosapati Satyanarayana, Modugu Naganaveen, Perala Yashwanth, Samiullah Amini, Ravi Meena
5.	2010	Life Cycle Cost Analysis of Flexible and Rigid Pavements	
6.	2009	Performance evaluation of bituminous mixes	
7.	2006	Air Pollution and its Reduction Techniques with a Case Study of Agra City	

17.0 TEXT OR REFERENCE BOOKS/BOOK CHAPTER PUBLISHED ON RELEVANT SUBJECTS

S. No.	Title of book	Name of Publisher	Year	Name of Co-Author
1	Safe and Sustainable Urban Road Traffic & Transportation Manual	Surat Municipal Corporation (SMC) Surat	2017	Dr. G. J. Joshi, Dr. S. S. Arkatkar, Dr. Chetan Patel
2	Development of Indian Highway Capacity Manual (Indo – HCM) – Book Chapter	CSIR – CRRI, New Delhi	2017	Dr. G. J. Joshi, Dr. S. S. Arkatkar

18.0 AWARDS/SCHOLARSHIP RECEIVED

S. No.	Detail of Award/Scholarship	Year	Remark
1.	International Travel Support Fellowship Grant	2017	20 th EURO working group on Transportation Meeting (EWGT) 2017, held at Budapest, Hungary
2.	International Travel Support Fellowship Grant	2014	93 rd Annual Meeting of Transportation Research Board (TRB) held at Washington D.C. USA

3.	Quality Improvement Programme Fellowship	2011 – 2014	For pursuing Ph.D. under QIP at IIT Roorkee
4.	Ministry of Human Resources Development (MHRD) Fellowship	July 2001 to Jan. 2003	For Pursuing M.Tech. from M.N.I.T. Jaipur

19.0 EXPERT LECTURE DELIVERED

S. No.	Title of Lecture	Organization	Details of Programme
1.	Traffic Signs and Road Markings Road Safety Audit	SVNIT, Surat	AIIB Workshop on “Road Safety Audit and Engineering Measures” (27/09/19-29/09/19)
2.	Traffic Signs and Road Markings Road Safety Audit	SVNIT, Surat	AIIB Workshop on “Road Safety Audit and Engineering Measures” (20/09/19-22/09/19)
3.	Traffic Signs and Road Markings Road Safety Audit	SVNIT, Surat	AIIB Workshop on “Road Safety Audit and Engineering Measures” (30/08/19-01/09/19)
4.	Traffic Signs and Road Markings Road Safety Audit	SVNIT, Surat	AIIB Workshop on “Road Safety Audit and Engineering Measures” (02/08/19-04/08/19)
5.	Road Accident Data: Collection, Management and Analysis, Road Signs and Signals Road Markings and Street Light Road safety appearances for curves, bridges, culverts, flyovers and their approaches (Crash barriers / crash cushions) Star Rating of Roads from Safety Perspective, Road Safety:4E Approach, Road Safety Audit Reports & Responses, Site visit for Conducting Construction Stage and Existing Stage Road Safety Audit ~ Day Time, Preparation of Field RSA Report in Groups	SVNIT, Surat	AITD Workshop on “Road Safety Engineering Measures” (24/08/18-28/08/18)
6.	Road Accident Data: Collection, Management and Analysis Road Signs and Signals Road Markings and Street Light Road safety appearances for curves, bridges, culverts, flyovers and their approaches (Crash barriers / crash cushions) Star Rating of Roads from Safety Perspective, Road Safety:4E Approach, Road Safety Audit Reports & Responses, Site visit for Conducting Construction Stage and Existing Stage Road Safety Audit ~ Day Time, Preparation of Field RSA Report in Groups	SVNIT, Surat	AITD Workshop on “Road Safety Engineering Measures” (22/07/18-26/07/18)
7.	Road Accident Data: Collection, Management and Analysis Road Signs and Signals Road Markings and Street Light	SVNIT, Surat	AITD Workshop on “Road Safety Engineering Measures” (16/07/18-20/07/18)

S. No.	Title of Lecture	Organization	Details of Programme
	Road safety appearances for curves, bridges, culverts, flyovers and their approaches (Crash barriers / crash cushions) Star Rating of Roads from Safety Perspective, Road Safety:4E Approach, Road Safety Audit Reports & Responses, Site visit for Conducting Construction Stage and Existing Stage Road Safety Audit ~ Day Time, Preparation of Field RSA Report in Groups		
8.	Road Accident Data: Collection, Management and Analysis Road Signs and Signals Road Markings and Street Light Road safety appearances for curves, bridges, culverts, flyovers and their approaches (Crash barriers / crash cushions) Star Rating of Roads from Safety Perspective, Road Safety:4E Approach, Road Safety Audit Reports & Responses, Site visit for Conducting Construction Stage and Existing Stage Road Safety Audit ~ Day Time, Preparation of Field RSA Report in Groups	SVNIT, Surat	AITD Workshop on “Road Safety Engineering Measures” (16/04/18-16/04/18)
9.	Flexible and Rigid Pavement Design: Challenges & Opportunities	Parul University, Vadoidara	23/02/2017
10.	Bridge Engineering	Charotar Institute of Technology, Changa, Gujarat	(February and March 2011).
11.	Geographic Information System – Utility & Applications	SVNIT, Surat	AICTE Sponsored Short Term Training Programme on “Discrete Choice Modeling” (21.12.09 to 25.12.09)
12.	Geographic Information System – Transportation”	SVNIT, Surat	AICTE Sponsored Short Term Training Programme on “Recent Trends in Urban Transportation Planning” (05.10.09 to 09.10.09)
13.	Use of Geographic Information System in Transportation Planning	SVNIT, Surat	AICTE Sponsored Short Term Training Programme on “Approaches and Practices in Urban Transportation Planning” (05.01.09 To 09.01.09)
14.	Hydro Turbines	Assistant Engineers Academy, Kalagarh, Uttrakhand	Delivered to Assistant Engineers of Uttaranchal Jal Vidyut Nigam Limited (13.07.06 – 15.07.06)

S. No.	Title of Lecture	Organization	Details of Programme
15.	Plumbing Technique in a Training Course on "Plumbing Techniques"	G.B. Pant Engineering College, Pauri Garhwal, Uttrakhand (01.09.06 – 10.09.06)	TEQIP programme on Services to Community and Economy,

20.0 UNDER GRADUATE TEACHING

S. No.	Name of Subject	Academic Year	Semester
1.	Basic Transportation Systems	2016-17,2017-18,2018-19	IV
2.	Basic Civil and Environmental Engineering	2016-17,2017-18,2018-19	I and II
3.	Introduction to Surveying	2019-20	I

21.0 POST GRADUATE TEACHING

S. No.	Name of Subject	Academic Year	Semester
1	Transportation Economics	2016-17,2017-18,2018-19,2019-20	I
2	Transportation Engineering and Road Safety	2016-17,2017-18,2018-19,2019-20	II

(Signature of Faculty)