

Curriculum Vitae

Dr. Chintaman Santosh Bari

Scientist

Traffic Engineering & Safety Division

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EDUCATIONAL QUALIFICATIONS:

Sr. No.	Qualification	Institute/ University	Year	Percentage
1)	Ph. D.	Sardar Vallabhbhai National Institute of Technology, Surat (NIRF: 59 -2024)	2023	-
2)	M. Tech Transportation	G. H. Rasoni College of Engineering, Nagpur (NIRF: 161 - 2023)/Rastrasant Tukdoji Maharaj Nagpur University	2019	9.91 (Overall CGPA)
3)	B.E. Civil	Matoshri College of Engineering and Research Centre Nashik/ Savitribai Phule Pune University	2016-17	81.47%
4)	H.S.C. (Sci.)	Pune University (Nashik Board)	2012-13	78.67%
5)	S.S.C.	Pune University (Nashik Board)	2010-11	89.45%

- **GATE Score:** - 389 (Year 2017)

EXPERIENCE:-

Institute	Period	Position	Responsibilities	
Mahindra University, Hyderabad	12 th August 2024 to 12 th	Assistant Professor	Academic and Research	<ul style="list-style-type: none">▪ Teaching<ul style="list-style-type: none">➤ Traffic Engineering and Management (PG)

Institute	Period	Position	Responsibilities	
	December 2025			<ul style="list-style-type: none"> ➤ Transportation Data Analysis (PG) ➤ Construction Technology (UG) ▪ Supervising four M. Tech major projects students (two from MU and two from COEP Tech)
			Departmental Responsibilities	<ul style="list-style-type: none"> ▪ Department Placement Coordinator (100 % internship/placement offers for M. Tech Transportation and CASE) ▪ Member of RGB committee for "Innovative Ideas for Research Promotion" ▪ Coordinated the visit of the University Outreach Club to Pune.
COEP Technological University, Pune (NIRF: 77 - 2024)	14 th August 2023 to 31 st July 2024	Adjunct Faculty	Academic and Research	<ul style="list-style-type: none"> ▪ Teaching <ul style="list-style-type: none"> ➤ Transportation Engineering (UG) ➤ Transportation Engineering Lab (UG) ➤ Basic Transportation (UG Minor) ➤ Traffic Engineering and Management (PG) ➤ Transportation Lab - I (traffic engineering studies) and Lab - III (statistical and transportation software's) (PG) ➤ Analysis and Design of Pavements (PG) ➤ Road Safety and Road Safety Audit (PG) ▪ Supervised seven M. Tech mini projects students and two B. Tech. mini project groups. ▪ Coordinated and contributed for summer internships of M. Tech Transportation and T. Y. B. Tech at IIT Roorkee, IIT BHU, IIT Bombay, NIT Warangal, The Nisarga

Institute	Period	Position	Responsibilities	
				<p>Consultancy, and Artefact Projects Limited.</p> <ul style="list-style-type: none"> ▪ Motivated and directed M. Tech Transportation student for a full-time Ph. D. program at IIT Kharagpur.
			Departmental Responsibilities (Civil Department)	<ul style="list-style-type: none"> ▪ Worked as Incharge Departmental Exam Coordinator for End Sem 2023-24. Performed Squad Duty. ▪ Contributed for the syllabus revision of M. Tech Transportation course ▪ Departmental Website Co-coordinator ▪ Departmental Timetable Co-coordinator ▪ Departmental CESA Co-coordinator ▪ Worked for NBA Accreditation
			Institute Level Responsibilities	<ul style="list-style-type: none"> ▪ Junior Supervisor for Re-exam 2023-24 (20th May to 5th June 2024) ▪ Discipline committee member for Annual Social Gathering 2024 ▪ SET Exam Invigilation
Sandip Institute of Technology and Research Centre, Nashik	12 th Feb 2023 to 31 st May 2023 1 st July 2023 to 9 th August 2023	Assistant Professor	Academic and Research	<ul style="list-style-type: none"> ▪ Teaching (Engineering Mechanics, Transportation Engineering, Geotechnical Engineering) ▪ External Examiner for Geotechnical Engineering Lab ▪ Supervised B. Tech Final Year Project Group on Travel Time Reliability
			Departmental Responsibilities	<ul style="list-style-type: none"> ▪ Departmental Research coordinator – Civil Department ▪ Departmental GATE coordinator - Civil Department ▪ Faculty coordinator of Bridge Making Event
Sardar Vallabhbhai National		Ph. D. Scholar	Academic and Research	<ul style="list-style-type: none"> ▪ Teaching Assistant (Traffic Engineering, Basic Transportation System)

Institute	Period	Position	Responsibilities	
Institute of Technology, Surat (NIRF: 65 - 2023)				<ul style="list-style-type: none"> Research collaboration with seven Masters Scholars (on parallel work) Research Team member on a DST-DAAD project (Conceptualization to completion)
			Consultancy	<ul style="list-style-type: none"> Team Member, Road Safety Audit of NH 48 (22 km stretch) sanctioned by Gujarat Police Traffic and Origin Destination Survey for Road and Building Department, Ahmedabad
			Organizing	<ul style="list-style-type: none"> Student Coordinator for CTSEM 2019, RATE 2022 and Road Safety Auditors Certification Program (MoRT&H - IRC)

FUNDED PROJECTS

- Internal Research Grant by Mahindra University for a project titled, "Holistic Evaluation and Assessment of Reaction Time: Study of Professional Indian Drivers (HEART'S-PID)" of INR 5.2 Lakhs (IRP/2024/3)

PAPERS PUBLISHED:-

In Journals

- Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Development of Thresholds for Operating Electronic Toll Collection Lanes in India", *Innovative Infrastructure Solutions*, 10(5), 1-17(2025) (Scopus and ESCI Listed) <https://doi.org/10.1007/s41062-025-02021-x> (IF - 2.40) (Q2)
- Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Toll Rate Policies of India: A Review, Comparison, and Inferences", *Transportation Research Record* 2678 (4) 334-351 (2024) (SCI Listed) <https://doi.org/10.1177/03611981231184238> (IF -2.10) (Q2)
- Chintaman Bari**, Adurthi Murali, Yogeshwar Navandar and Ashish Dhamaniya, "Which Pricing Policy Road Users' Accept?", *Current Science* 125, 1360-1368 (2023) (SCI Listed) [10.18520/cs/v125/i12/1360-1368](https://doi.org/10.18520/cs/v125/i12/1360-1368) (IF - 1.10) (Q2)
- Chintaman Bari**, Ashish Dhamaniya and Satish Chandra, "Drivers' Willingness to Shift Towards Electronic Toll Collection System in India", *Case Studies on Transport Policy* 13 1-15 (2023) (Scopus and ESCI Listed), <https://doi.org/10.1016/j.cstp.2023.101046> (IF -3.30) (Q1)

5. Yogeshwar V Navandar, DA Patel, Ashish Dhamaniya, S Velmurugan, and **Chintaman Bari**, "Users Perception Based Service Quality Analysis at Toll Plazas Using Structural Equation Modeling", *Case Studies on Transport Policy* 13 1-13 (2023) (Scopus and ESCI Listed), <https://doi.org/10.1016/j.cstp.2023.101053> (IF -3.30) (Q1)
6. **Chintaman Bari**, Ajay Gangwal, Ziauddin Rahimi, L. Srikanth, Bijendra Singh, and Ashish Dhamaniya, "Emission modeling at toll plaza under mixed traffic condition using simulation", *Environmental Monitoring and Assessment*, 195 (803) 1-20 (2023), (SCI Listed) <https://doi.org/10.1007/s10661-023-11409-0> (IF -3.00) (Q2)
7. **Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Estimation of System-Delay-Based Toll Equivalency Factors at Toll Plazas using Simulation", *International Journal of Transportation Science and Technology*, 12 (3), 822-835 (2023) (Scopus and ESCI Listed) <https://doi.org/10.1016/j.ijtst.2022.08.002> (IF-4.80) (Q1)
8. **Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Level of Service Thresholds for Electronic Toll Collection Lanes at Toll Plazas", *India Highways* 51 (6), 17-28 (2023)
9. **Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Reliable Capacity of Electronic Toll Collection (ETC) lanes", *Proceedings of the Institution of Civil Engineers – Transport* 177 (4) 224-236 (2023) (SCI Listed) <https://doi.org/10.1680/jtran.22.00053> (IF - 1.20) (Q4)
10. **Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Development of Toll Equivalency Factors for FASTag Lanes Under Mixed Traffic Conditions", *Transportation Research Record* 2677 (5), 829-845 (2023) (SCI Listed) <https://doi.org/10.1177/03611981221137588> (IF -2.10) (Q2)
11. **Chintaman Bari**, Satish Chandra, and Ashish Dhamaniya, "Service Headway Distribution Analysis of FASTag lanes under Mixed Traffic Conditions", *Physica A: Statistical Mechanics and its Applications*, 604 127904 1-23 (2022) (SCI Listed) <https://doi.org/10.1016/j.physa.2022.127904> (IF -3.10) (Q2)
12. **Chintaman Bari**, Satish Chandra, Ashish Dhamaniya, and Yogeshwar Navandar, "Traffic Operations at Mainline Toll-Plazas", *Current Science*, 123 (6), 754-766 (2022) (SCI Listed) [doi: 10.18520/cs/v123/i6/754-766](https://doi.org/10.18520/cs/v123/i6/754-766) (IF - 1.10) (Q2)
13. **Chintaman Bari**, Rohit Chopde, and Ashish Dhamaniya, "Lane Choice Behavior at Toll Plaza under Mixed Traffic Conditions using TODIM Method: A Case Study," *Transportation in Developing Economics* 8 (26), 1-14 (2022) (ESCI) <https://doi.org/10.1007/s40890-022-00163-6> (IF - 2.10)
14. **Chintaman Bari**, Ashish Dhamaniya and Satish Chandra, "An analytical hierarchy process-based assessment of factors affecting service performance of tollbooth operators", *Current Science* 122(11), 1327-1341 (2022) (SCI Listed) [10.18520/cs/v122/i11/1327-1341](https://doi.org/10.18520/cs/v122/i11/1327-1341) (IF - 1.10) (Q2)
15. **Chintaman Bari**, Satish Chandra, Ashish Dhamaniya and Yogeshwar Navandar, "A Novel Approach for Design of Merging and Diverging Length at Toll Plazas - A Case Study, *Transportation Research Record* 2676(3), 17-37, (2022), (SCI Listed), <https://doi.org/10.1177/03611981211049105> (IF -2.10) (Q2)

16. Yogeshwar Navandar, **Chintaman Bari**, Ashish Dhamaniya and D. A. Patel, "Capacity Analysis of Manually Operated Tollbooths under Heterogeneous Traffic Conditions," *Journal of Indian Roads Congress* (2022), 81 (3), 36-45.
17. **Chintaman Bari**, Ashish Dhamaniya, "Reduction in Entry Capacity of Roundabout Under the Influence of Pedestrians in Mixed Traffic Conditions," *Communications - Scientific Letters of the University of Zilina* 22, D201-D214 (2022) (Scopus Listed) <https://doi.org/10.26552/com.C.2022.4.D201-D214> (Cite Score -2.30) (Q3)
18. **Chintaman Bari**, Tanmayee V Gunjal, Ashish Dhamaniya, "A Simulation Approach for Evaluating Congestion and Its Mitigation Measures on Urban Arterials Operating with Mixed Traffic Conditions," *Communications - Scientific Letters of the University of Zilina* 3, D126-D140 (2022), (Scopus Listed) <https://doi.org/10.26552/com.C.2022.3.D126-D140> (Cite Score -2.30) (Q3)
19. Hareshkumar Golakiya, Ritvik Chauhan, **Chintaman Bari** and Ashish Dhamaniya, "Pedestrian safety analysis at urban midblock section under mixed traffic conditions using time to collision as surrogate safety measure," *Current Science* 123 (22) 1117-1128 (2022) (SCI Listed) doi: 10.18520/cs/v123/i9/1117-1128 (IF - 1.10) (Q2)
20. Ashish Dhamaniya, **Chintaman Bari**, and Manish Patkar, "Capacity Analysis of Urban Arterial Midblock Sections Under Mixed Traffic Conditions." *International Journal of Intelligent Transportation Systems Research* 20, 409-421 (2022) (Scopus and ESCI Listed), <https://doi.org/10.1007/s13177-022-00298-1> (IF - 1.50) (Q2)
21. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, "Delay Modelling at Manually Operated Toll Plazas under Mixed Traffic Conditions." *International Journal of Transportation Science and Technology*, 11 (1), 17-31 (2022) (Scopus and ESCI Listed) <https://doi.org/10.1016/j.ijtst.2020.10.001> (IF-4.80) (Q1)
22. **Chintaman Bari**, Satish Chandra, Ashish Dhamaniya, Shriniwas Arkatkar and Yogeshwar Navandar, "Service Time Variability at Manual Operated Tollbooths Under Mixed Traffic Environment: Towards Level-Of-Service Thresholds", *Transport Policy*, 106, 11-24, (2021) (SCI Listed) <https://doi.org/10.1016/j.tranpol.2021.03.018> (IF - 5.30) (Q1)
23. **Chintaman Bari**, Rohit Chopade, Shubhangi Kachwa, Yogeshwar V. Navandar, Ashish Dhamaniya, "Impact of COVID-19 on Educational Trips- An Indian Case Study", *Transportation Letters: The International Journal of Transportation Research*, 13 (5-6), 375-387, (2021) (SCI Listed) <https://doi.org/10.1080/19427867.2021.1896064>. (IF - 3.30) (Q2)
24. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, "Analysis of Vehicle Specific Acceleration and Deceleration Characteristics at Toll Plazas in India", *Transportation in Developing Economics*, 7 (1), 1-19, (2021), (ESCI) <https://doi.org/10.1007/s40890-021-00115-6> (IF - 2.10)
25. Yogeshwar Navandar, **Chintaman Bari**, Ashish Dhamaniya, Shriniwas Arkatkar and D. A. Patel, "Analysis of the Determinants of Service Headway Variability at

- Tollbooths Under Mixed Traffic Scenario in Emerging Countries.”, *Current Science*, 121 (1), 148-160, (2021) (SCI Listed) [doi: 10.18520/cs/v121/i1/148-160](https://doi.org/10.18520/cs/v121/i1/148-160) (IF – 1.10) (Q2)
26. Yogeshwar Navandar, **Chintaman Bari**, and P. Gaikwad “Failure Factors – A Comparative Study of Private and Government Construction Firms.” *Engineering, Construction and Architectural Management, Emerald*, 29(6), 2495-2513 (2021), (SCI Listed). <https://doi.org/10.1108/ECAM-03-2020-0184> (IF – 4.7) (Q1)
 27. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, “Vehicular Emission Modelling at Toll Plaza using Performance Box Data” *Journal of Hazardous, Toxic and Radioactive Waste, ASCE*. 24 (4), 05020003, 1-19 (2020) (Scopus and ESCI Listed) [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000550](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000550) (IF – 2.2) (Q2)
 28. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, “Service Time Variation Analysis at Manually Operated Toll Plazas under Mixed Traffic Conditions in India”. *Journal of Eastern Asia Society for Transportation Studies (EASTS)*, 13, 331-350 (2019) <https://doi.org/10.11175/easts.13.1648>
 29. Yogeshwar Navandar, **Chintaman Bari**, Ashish Dhamaniya and D. A. Patel, “Analysis of Level of Service for Manually Operated Tollbooths under Mixed Traffic Scenario.” *Journal of Eastern Asia Society for Transportation Studies (EASTS)*, 13, 1648-1663 (2019) <https://doi.org/10.11175/easts.13.331>

Conference Proceedings

1. Adurthi Naga Murali, **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, “A Study on User Acceptable Road Pricing Policy for Toll Roads: A case of Eethakota, India,” *Transportation Research Procedia*, 62, 656-663 (2022) (Scopus Listed) <https://doi.org/10.1016/j.trpro.2022.02.081>
2. Himanshu Swami, **Chintaman Bari**, Ashish Dhamaniya, “Developing Policy Framework of Dynamic Toll Pricing in India”. *Transportation Research Procedia*, 52, 605-612 (2021) (Scopus Listed) <https://doi.org/10.1016/j.trpro.2021.01.072>
3. **Chintaman Bari**, Akash Kumawat, Ashish Dhamaniya, “Effectiveness of FASTag System for Toll Payment in India”, *IEEE-Xplore, 7th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS)-IEEE*, (2021) (Scopus Listed) <https://doi.org/10.1109/MT-ITS49943.2021.9529291>
4. **Chintaman Bari**, Utakarsh Gupta, Satish Chandra, Constantinos Antoniou, Ashish Dhamaniya, “Examining Effect of Electronic Toll Collection (ETC) System on Queue Delay Using Microsimulation Approach at Toll Plaza-A Case Study of Ghoti Toll Plaza, India,” *IEEE-Xplore, 7th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS)-IEEE*, (2021) (Scopus Listed) <https://doi.org/10.1109/MT-ITS49943.2021.9529325>

Book Chapter

1. Yashh Jadhav, and **Chintaman Bari**, "Analyzing User Perceptions on Pavement Condition of Indian Urban Roads". In: Srinivasan, V., Jain, U., Anjaneyulu, M.V.L.R., Parida, M. (eds) Recent Advancements in Sustainable and Safe Transportation Infrastructure - Vol. 1. CTSEM 2024 2024. Lecture Notes in Civil Engineering, vol 621. Springer, Singapore. https://doi.org/10.1007/978-981-96-1984-9_30 (2024)
2. **Chintaman Bari**, Vineet Jain, Akash Kumawat, and Ashish Dhamaniya, "Examination of Geometric Design Elements at Toll Plazas Under Mixed Traffic Environment". In: Ravi Shankar, K.V.R., Prasad, C.S.R.K., Mallikarjuna, C., Suresha, S.N. (eds) Recent Advances in Transportation Systems Engineering and Management—Volume 1. CTSEM 2023. Lecture Notes in Civil Engineering, vol 544. Springer, Singapore. https://doi.org/10.1007/978-981-97-6075-6_16 (2024)
3. Jash Modi, **Chintaman Bari**, Rushabh Dalal, Parth Jhaveri, Satyendra Kumar Sharma, and Ashish Dhamaniya, "Evaluating Pedestrian's Perception Toward Use of Foot Over Bridge: A Questionnaire Based Approach". In: Ravi Shankar, K.V.R., Prasad, C.S.R.K., Mallikarjuna, C., Suresha, S.N. (eds) Recent Advances in Transportation Systems Engineering and Management—Volume 1. CTSEM 2023. Lecture Notes in Civil Engineering, vol 544. Springer, Singapore. https://doi.org/10.1007/978-981-97-6075-6_17 (2023)
4. **Chintaman Bari**, Parth Jhaveri, Satyendra Kumar Sharma, Shubham Gupta, and Ashish Dhamaniya, "Use of Toll Transaction Data for Travel Time Prediction on National Highways Under Mixed Traffic Conditions." In: Dhamaniya, A., Chand, S., Ghosh, I. (eds) Recent Advances in Traffic Engineering. RATE 2022. Lecture Notes in Civil Engineering, vol 377. Springer, Singapore. https://doi.org/10.1007/978-981-99-4464-4_36 (2023)
5. Rajesh Chouhan, Abhi Shah, Rushabh Dalal, Jash Modi, Ashish Dhamaniya, **Chintaman Bari**, "Comparative Safety Assessment of Vehicle-Pedestrian Interactions at Urban Arterial and Highway Using UAV Data". In: Dhamaniya, A., Chand, S., Ghosh, I. (eds) Recent Advances in Traffic Engineering. RATE 2022. Lecture Notes in Civil Engineering, vol 377. Springer, Singapore. https://doi.org/10.1007/978-981-99-4464-4_14 (2023)
6. Rohit Chopade, **Chintaman Bari**, and Ashish Dhamaniya, "Which Factors Affect Lane Choice Behavior at Toll Plaza? An Analytical Hierarchical Process (AHP) Approach" In: Anjaneyulu, M.V.L.R., Harikrishna, M., Arkatkar, S.S., Veeraragavan, A. (eds) Recent Advances in Transportation Systems Engineering and Management. Lecture Notes in Civil Engineering, vol 261. Springer, Singapore. https://doi.org/10.1007/978-981-19-2273-2_60 (2022)

7. **Chintaman Bari**, Yogeshwar V Navandar, Ashish Dhamaniya, "Analyzing Traffic Performance of Toll Plazas Using Performance Box: A Case Study", In: Anjaneyulu, M.V.L.R., Harikrishna, M., Arkatkar, S.S., Veeraragavan, A. (eds) Recent Advances in Transportation Systems Engineering and Management. Lecture Notes in Civil Engineering, vol 261. Springer, Singapore. https://doi.org/10.1007/978-981-19-2273-2_2 (2022)
8. Sreechitra, **Chintaman Bari**, Yogeshwar V Navandar, Ashish Dhamaniya, "Public Transport User's Satisfaction Level in India." In: Shah, J., Arkatkar, S.S., Jadhav, P. (eds) Intelligent Infrastructure in Transportation and Management. Studies in Infrastructure and Control. Springer, Singapore. https://doi.org/10.1007/978-981-16-6936-1_7 (2022)
9. **Chintaman Bari** and B. V. Khode, "PM10 Dispersion Modelling at Unsignalised Intersection Using Caline4 – A Case Study". In: Gupta L.M., Ray M.R., Labhasetwar P.K. (eds) Advances in Civil Engineering and Infrastructural Development. Lecture Notes in Civil Engineering, Vol 87. Springer, Singapore. https://doi.org/10.1007/978-981-15-6463-5_51 (2021)
10. Akshay Gulghane and **Chintaman Bari** "Comparative Analysis of ECC by Partial Replacement of Cement with Slag Sand". In: Kolhe M., Labhasetwar P., Suryawanshi H. (eds) Smart Technologies for Energy, Environment and Sustainable Development. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore (2019)

International Conference.

1. Vaibhav Lokhande, **Chintaman Bari** and Samiul Hasan, "Investigating Speeding Behavior and Risk Perception Among Indian Drivers Under Mixed Traffic Conditions," *105th Annual Meeting of the Transportation Research Board, January 11-15, 2026*
2. Darshan Bhagat, **Chintaman Bari** and Ashish Dhamaniya, "Understanding Reaction Time Variability Among Auto-Rickshaw Drivers: Insights from Vienna Test System and Field Data," *105th Annual Meeting of the Transportation Research Board, January 11-15, 2026*
3. Hrishikesh Deshpande, **Chintaman Bari**, Ashish Dhamaniya and Namdeo Hedao, "Analysis of Different Factors Affecting the Reaction Times of the Bus Drivers for Color, Auditory and Braking Response Using Vienna Test System (VTS)", *11th International Conference on Transportation Systems Engineering and Management (CTSEM 2025), July 4-5, 2025.*
4. Sameer Muhammed, **Chintaman Bari**, and Ashish Dhamaniya, "Evaluating Truck Driver Response Patterns: An Age-Wise and Stimuli-Based Reaction Time Study using Vienna Test System", *11th International Conference on Transportation Systems Engineering and Management (CTSEM 2025), July 4-5, 2025.*

5. Darshan Bhagat, **Chintaman Bari**, and Ashish Dhamaniya, "Study of Factors Affecting Auto-Rickshaw Driver Reaction Time", *11th International Conference on Transportation Systems Engineering and Management (CTSEM 2025)*, July 4-5, 2025.
6. Mohit Rewatkar, **Chintaman Bari** and Namdeo Hedao, "Study of Different Factors Affecting the Vehicle Classwise Speeds using Performance Box Data", *11th International Conference on Transportation Systems Engineering and Management (CTSEM 2025)*, July 4-5, 2025.
7. Navin Chatla, **Chintaman Bari** and Aruna Thube, "Analysis of the Effect of Tamping on Railway Track Quality Index", *11th International Conference on Transportation Systems Engineering and Management (CTSEM 2025)*, July 4-5, 2025.
8. Sameer Muhammed, Hrishikesh Deshpande, **Chintaman Bari**, Ashish Dhamaniya, and Namdeo Hedao, "Use of Vienna Tests System in Transportation Domain: A Systematic Literature Review", *ASCE International Conference on Challenges and Innovations for Sustainable Smart Cities (CISSC 2025)*, Chandigarh, India, February 7-9, 2025
9. Sandeep Pothraju and **Chintaman Bari**, "Safety Evaluation in the Variable Speed Limit Environment: A Critical Survey", *ASCE International Conference on Challenges and Innovations for Sustainable Smart Cities (CISSC 2025)*, Chandigarh, India, February 7-9, 2025
10. **Chintaman Bari**, Shubham Gupta and Ashish Dhamaniya, "Development of Framework for Distance-Based Dynamic Toll Pricing for Mixed Traffic Conditions", *104th Annual Meeting of Transportation Research Board, Washington, DC., January 5-9, 2025*
11. Hrishikesh Deshpande, **Chintaman Bari**, Ashish Dhamaniya and Namdeo Hedao, "Effect of Gender and Fatigue on Alertness of Young Drivers", *15th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)*, 18 – 20th December 2024, IIT Bombay, India
12. Navin Chatla, Yashh Jadhav and **Chintaman Bari**, "MCDM Approach for Rail Alignment Fixation: A Case Study", *15th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)*, 18 – 20th December 2024, IIT Bombay, India
13. Mohit Rewatkar, **Chintaman Bari** and Namdeo Hedao, "Safe Speed Limits for National Highways in India", *15th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)*, 18 – 20th December 2024, IIT Bombay, India
14. Vaibhav Lokhande and **Chintaman Bari**, "Relationship Between Speed Limits and Safety: Indian Driver's Perception", *15th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)*, 18 – 20th December 2024, IIT Bombay, India
15. Pranit Wagh and **Chintaman Bari**, "Use of Social Media Data for Sentiment Analysis of Zipper Line", *15th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)*, 18 – 20th December 2024, IIT Bombay, India

16. Hrishikesh Deshpande, **Chintaman Bari** and Ashish Dhamaniya, "Analyzing Effect of Age, Gender and Phones on Time and Movement Anticipation of Young Drivers", *10th International Conference on Transportation System Engineering and Management (CTSEM 2024)*, 19- 20th July 2024, VNIT Nagpur, India
17. Yashh Jadhav and **Chintaman Bari**, "Analyzing User Perceptions on Pavement Condition of Indian Urban Roads" *10th International Conference on Transportation System Engineering and Management (CTSEM 2024)*, 19- 20th July 2024, VNIT Nagpur, India
18. Tanmayee Deshpande, Deep Ghadia, Ayush Kaul, Onkar Shinde, Radha Shinde and **Chintaman Bari**, "Evaluating Temporal Variation in User's Perception for Metro system in Developing Nation," *10th International Conference on Transportation System Engineering and Management (CTSEM 2024)*, 19-20th July 2024, VNIT Nagpur, India
19. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Establishment of Warrants for Electronic Toll Collection (ETC) Operations in India", *4th International Symposium on Freeway and Tollway Operations*, 26-30 June 2023 at Vienna, Austria.
20. **Chintaman Bari**, Shubham Gupta and Ashish Dhamaniya, "Conceptual Framework for Distance-Based Dynamic Toll Pricing for Mixed Traffic Conditions", *4th International Symposium on Freeway and Tollway Operations*, June 26-30, 2023, at Vienna, Austria.
21. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Toll Rate Policies of India: A Review, Comparison, and Inferences," *102nd Annual Meeting of Transportation Research Board, Washington D.C., January 8-12, 2023*
22. Satish Chandra, **Chintaman Bari** and Ashish Dhamaniya, "Reliability Concept for Capacity Estimation of Electronic Toll Collection (ETC) lanes," *102nd Annual Meeting of Transportation Research Board, Washington D.C., January 8-12, 2023*
23. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Calibration of the Traffic Microsimulation model for Toll Plaza Operating under Mixed Traffic Conditions: A Detailed Framework and Application," *102nd Annual Meeting of Transportation Research Board, Washington D.C., January 8-12, 2023*
24. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Capacity and Level of Service Analysis of FASTag Lanes", *14th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)*, 19-21 December 2022
25. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Effect of Boom Barrier on Capacity of FASTag Lanes", *2nd International Conference on Transportation Infrastructure Projects: Conception to Execution*, 14-17 September 2022, IIT Roorkee, India (**Awarded as Best Paper**)
26. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Determining the Toll Lane Capacity as a Function of Breakdown Probability," *101st Annual Meeting of Transportation Research Board, Washington D.C., January 9-13, 2022*
27. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Estimation of System-Delay-Based Toll Equivalency Factors using Simulation," *101st Annual Meeting of Transportation Research Board, Washington D.C., January 9-13, 2022*

28. Rohit Chopde, **Chintaman Bari** and Ashish Dhamaniya, "Modelling Toll Lane Choice Behaviour at Toll Plazas Operating with Mixed Traffic Conditions." *101st Annual Meeting of Transportation Research Board, Washington D.C., January 9–13, 2022*
29. Hareshkumar Golakiya, Ashish Dhamaniya and **Chintaman Bari**, "Vehicular Delay Model at Urban Midblock Crosswalks Due to Crossing Pedestrian under Mixed Traffic Conditions." *101st Annual Meeting of Transportation Research Board, Washington D.C., January 9–13, 2022*
30. Rohit Chopde, **Chintaman Bari** and Ashish Dhamaniya, "Lane Choice Behavior at Toll Plaza under Mixed Traffic Conditions using TODIM Method: A Case Study," *6th Conference of Transportation Research Group of India (CTRG-2021), Tiruchirappalli (Trichy), Tamil Nadu, India, 14-17 December 2021*
31. **Chintaman Bari**, Satish Chandra and Ashish Dhamaniya, "Calibration of the Micro-Simulation model for Toll Plaza under Mixed Traffic Environment." *6th Conference of Transportation Research Group of India (CTRG-2021), Tiruchirappalli (Trichy), Tamil Nadu, India, 14-17 December 2021*
32. **Chintaman Bari**, Akash Kumawat, Ashish Dhamaniya, "Effectiveness of FASTag System for Toll Payment in India", *7th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS)-IEEE, 16-17 June 2021 (Online)*
33. **Chintaman Bari**, Utakarsh Gupta, Satish Chandra, Constantinos Antoniou, Ashish Dhamaniya, "Examining Effect of Electronic Toll Collection (ETC) System on Queue Delay Using Microsimulation Approach at Toll Plaza-A Case Study of Ghoti Toll Plaza, India," *IEEE-Xplore, 7th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS)-IEEE, 16-17 June 2021 (Online)*
34. MD Arif, Shekhar Raman, Sumit Singh, Mahendra Choudhary, **Chintaman Bari** and Yogeshwar Navandar, "Socio-economic Evaluation of Users Delay at Manually Operated Tollbooths-A Case Study of Ghoti Toll Plaza" *The 14th EASTS International Virtual Conference, Hiroshima, Japan, September 12-14, 2021*
35. Adurthi Naga Murali, **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, "A Study on User Acceptable Road Pricing Policy for Toll Roads: A case of Eethakota, India," *The 24th Euro Working Group on Transportation Meeting (EWGT 2021), 8th-10th of September 2021*
36. **Chintaman Bari**, Ashish Dhamaniya, "Capacity Analysis of FASTag Lanes under Mixed Traffic Conditions: A Micro-Simulation Approach," *1st International Virtual Conference on Emerging Research and Innovations in Civil Engineering (ERICE 2021), 15th May 2021 (Awarded as Best Paper)*
37. Reshma Patel, **Chintaman Bari**, Pinakin Patel and Yogeshwar V. Navandar, "Service Time at Toll Plaza: The Influence Factors on Electronic Toll Collection (ETC)," *1st International Virtual Conference on Emerging Research and Innovations in Civil Engineering (ERICE 2021), 15th May 2021*
38. **Chintaman Bari** and Ashish Dhamaniya, "Reduction in Entry Capacity of Roundabout Under the Influence of Pedestrians in Mixed Traffic Conditions," *8th*

- Online International Conference on Transportation Systems Engineering and Management, National Institute of Technology (NIT) Calicut, Kozhikode, India, August 26-27, 2021.*
39. Rohit Chopde, **Chintaman Bari** and Ashish Dhamaniya, "Which Factors Affect Lane Choice Behavior at Toll Plaza? An Analytical Hierarchical Process (AHP) Approach," *8th Online International Conference on Transportation Systems Engineering and Management, National Institute of Technology (NIT) Calicut, Kozhikode, India, August 26-27, 2021.*
 40. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, "Analyzing Traffic Performance of Toll Plazas using Performance Box: A Case Study," *8th Online International Conference on Transportation Systems Engineering and Management, National Institute of Technology (NIT) Calicut, Kozhikode, India, August 26-27, 2021.*
 41. **Chintaman Bari**, Akash Kumawat and Ashish Dhamaniya, "Analysis of Geometric Design Elements at Toll Plazas Under Mixed Traffic Environment," *International Conference on Recent Advances in Civil Engineering for Sustainable Development (RACESD), February 13-14, 2021 (Awarded as Best paper)*
 42. **Chintaman Bari**, Akash Kumawat and Ashish Dhamaniya, "Examining Zone of Influence at Toll Plazas under Mixed Traffic Conditions," *International Conference on Recent Advances in Civil Engineering for Sustainable Development (RACESD), February 13-14, 2021*
 43. Utakarsh Gupta, **Chintaman Bari** and Ashish Dhamaniya, "Optimizing Toll Plaza Operations using Microsimulation Approach: A Case Study of Ghoti Toll Plaza in India." *100th Annual Meeting of Transportation Research Board, Washington, D.C, U.S.A, January, 2021*
 44. Utakarsh Gupta, **Chintaman Bari** and Ashish Dhamaniya, "Impact Assessment of Emissions Due to Provision of Toll Plazas on Highways -An Indian Experience." *100th Annual Meeting of Transportation Research Board, Washington, D.C, U.S.A, January, 2021*
 45. Utakarsh Gupta, **Chintaman Bari**, Yogeshwar Navandar, Ashish Dhamaniya, "Microsimulation Approach for Toll Plaza Operations-A Case Study" *13th International (Online) Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), 10 and 11 December, 2020*
 46. **Chintaman Bari**, Akash Kumawat, Yogeshwar Navandar and Ashish Dhamaniya, "Identifying Zone of Influence using Driving Cycles at Toll Plazas under Mixed Traffic Conditions," *13th International (Online) Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), 10 and 11 December, 2020*
 47. **Chintaman Bari**, and Ashish Dhamaniya. "Evaluation of Factors Affecting Performance of Tollbooth Operators using Analytical Hierarchy Process (AHP)- An Indian Experience", *23rd EURO Working Group on Transportation Meeting, EWGT 2020, Paphos, Cyprus, 16-18 September 2020.*
 48. Himanshu Swami, **Chintaman Bari** and Ashish Dhamaniya, "Developing Policy Framework of Dynamic Toll Pricing in India", *23rd EURO Working Group on Transportation Meeting, EWGT 2020, Paphos, Cyprus, 16-18 September 2020.*

49. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya “Analysis of Vehicle Specific Acceleration and Deceleration Characteristics at Toll Plazas in India”. *5th International Conference of Transportation Research Group of India (CTRG), NIT Bhopal (India), December 18-21, 2019.*
50. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya. “Emission Modelling at Manually Operated Toll Plazas under Mixed Traffic Conditions”. *5th International Conference of Transportation Research Group of India (CTRG), NIT Bhopal (India), December 18-21, 2019.*
51. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya “Service Time Variation Analysis at Manually Operated Toll Plazas under Mixed Traffic Conditions in India”. *13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019*
52. Yogeshwar Navandar, **Chintaman Bari**, Ashish Dhamaniya and D. A. Patel, “Analysis of Level of Service for Manually Operated Tollbooths under Mixed Traffic Scenario.” *13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019.*
53. Hareshkumar Golakiya, **Chintaman Bari**, Ashish Dhamaniya, “Study on Acceleration and Deceleration Characteristics of Vehicles Influenced by Crossing Pedestrians at Urban Midblock Sections.” *13th International Conference of Eastern Asia Society for Transportation Studies (EASTS), Colombo (Sri Lanka), September 09-11, 2019.*

National Conferences

1. **Chintaman Bari**, Vineet Jain, Akash Kumawat and Ashish Dhamaniya, “Examination of Geometric Design Elements at Toll Plazas Under Mixed Traffic Environment,” *9th Conference on Transportation Systems Engineering and Management (CTSEM 2023) (Hybrid Mode), NIT Warangal, October 12-14, 2023.*
2. Jash Modi, **Chintaman Bari**, Rushabh Dalal, Path Jhaveri, Satyendra Kumar Sharma and Ashish Dhamaniya, “Evaluating Pedestrian’s Perception Toward Use of Foot Over Bridge: A Questionnaire Based Approach,” *9th Conference on Transportation Systems Engineering and Management (CTSEM 2023) (Hybrid Mode), NIT Warangal, October 12-14, 2023.*
3. **Chintaman Bari**, Parth Jhaveri, Satyendra Kumar Sharma, Shubham Gupta and Ashish Dhamaniya, “Use of Toll Transaction Data for Travel Time Prediction on National Highways under Mixed Traffic Conditions,” *4th National Conference on Recent Advances in Traffic Engineering (RATE), Sardar Vallabhbhai National Institute of Technology, Surat, India 11-12 November 2022*
4. Rajesh Chouhan, Abhi Shah, Rushabh Dalal, Jash Modi, Ashish Dhamaniya and **Chintaman Bari**, “Comparative Safety Assessment of Vehicle-Pedestrian Interactions at Urban Arterial and Highway,” *4th National Conference on Recent Advances in Traffic Engineering (RATE), Sardar Vallabhbhai National Institute of Technology, Surat, India 11-12 November 2022*

5. **Chintaman Bari** and Ashish Dhamaniya, "*Capacity Analysis of Toll Plazas in India*," 7th Conference on Transportation Systems Engineering and Management. KSTCE-NATPAC and College of Engineering Trivandrum, India. December 29-30, 2020
6. Vipul Nagawase, **Chintaman Bari**, Yogeshwar Navandar, Ashish Dhamaniya and B. V. Khode "Waiting Time Analysis at Manually Operated Toll Plazas under Mixed Traffic Conditions in India". *2nd ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020), Kolkata (India) March 2-4, 2020.*
7. Akash Mate, Tushar Gangurde, Katkade Amol, Yogeshwar Navandar and **Chintaman Bari** "Development of Road Safety Model for Nashik City". *2nd ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020), Kolkata (India) March 2-4, 2020.*
8. Akash Mate, Tushar Gangurde, Katkade Amol, Yogeshwar Navandar and **Chintaman Bari**, "Development of Road Accident Prediction Model for Nashik City." *Urban Mobility and India Conference and Expo (UMI-2019), Lucknow, 15-17th November 2019*
9. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya, "Vehicular emission modelling at toll plazas under mixed traffic conditions." *Urban Mobility and India Conference and Expo (UMI-2019), Lucknow, 15-17th November 2019*
10. **Chintaman Bari**, Yogeshwar Navandar and Ashish Dhamaniya "Acceleration and Deceleration Characteristics of Light and Heavy Commercial Vehicles at manually Operated Toll Plazas under Mixed Traffic Conditions." *Sixth Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, during 14 and 15th June 2019. (Awarded as best paper)*

PH. D. DISSERTATION TOPIC:-

- Capacity and Level of Service Study at Electronic Toll Collection Operated Toll Plazas under Mixed Traffic Conditions.

Supervisors: - Dr. Ashish Dhamaniya (Professor, SVNIT, Surat)

Dr. Satish Chandra (Professor, IIT Roorkee, Roorkee and Former Director, CSIR-CRRI, New Delhi)

The present study was carried out to evaluate the capacity of the newly adopted FASTag system in India. Traffic operations at FASTag lanes are analysed for processing time, clearance time and service headway. Then service headway-based toll equivalency factors (HTEF) are developed for converting mixed traffic into homogeneous equivalent. Then, using HTEFs, the capacity of the FASTag lane is evaluated. Further, these capacity values are employed for the development of the level of service (LOS) thresholds. Lastly, the warrants are developed for lane operations.

The present study was a part of DST-DAAD, an Indo-German collaboration project. Prof. Ashish Dhamaniya (SVNIT, Surat) was the Indian PI and Prof. Constantinos Antoniou (TU Munich, Germany) was the German PI.

M. TECH DISSERTATION TOPIC:-

- Delay and Emission Modelling at Manually Operated Toll Plazas under Mixed Traffic Conditions” (M Tech Transportation) [May-2019]

Supervisors:- Dr. Ashish Dhamaniya (Professor, SVNIT, Surat)

Dr. B. V. Khode (Professor and Head, GHRCE, Nagpur)

The main aim was to study the vehicle classwise acceleration and deceleration pattern at the toll plazas operating under mixed traffic conditions. Further, the delay model is developed based on the speed-distance relationship. Finally, the emission analysis was carried out using International Vehicle Emission (IVE) software.

B. E. DISSERTATION TOPIC:-

- Analysis of ECC with different types of sand and partial replacement of cement (BE Civil) [June 2017]

Supervisor- Mrs. Seema Borole

The main aim was to compare the compressive and tensile strength of ECC with normal concrete. Further, the optimal proportion of slag sand for replacement in natural sand was determined for eco-friendly concrete.

KEY ACADEMICS PROJECTS:-

- Study of lateral placement of vehicles under mixed traffic conditions using VISSIM (15th May – 15th July 2018)

CERTIFICATION COURSES:-

- Completed 15-day Road Safety Auditors Certification Course organized by Sardar Vallabhbhai National Institute of Technology, SVNIT (Surat) in association with Ministry of Road Transport and Highways (MoRTH) and Indian Roads Congress (IRC), New Delhi (Reg. No. RSA-III-018) (23rd May – 6th June 2021)
- NPTEL Certification course on “Technical English for Engineers”, with a 78% score (2018).
- NPTEL Certification Course on “Introduction to Geographic Information Systems”, with 72 % score (2018).
- MapInfo (20 hrs Beginning course)
- MS-CIT (97%)
- AutoCAD (“A” Grade)
- Elementary Grade Drawing Examination
- Intermediate Grade Drawing Examination

ACHIEVEMENTS:-

- Best Thesis Award for Ph.D. Thesis at 8th CTRG organized by IITG and TRG group (17-20 December 2025)
- Alumni Member, Board of Studies (BOS) Member at Department of Engineering Sciences, Matoshri College of Engineering and Research Centre, Nashik
- Selected for the Research Opportunity Week Programme (ROW) at the Technical University of Munich (TUM), Germany.
- Best Paper Award for paper entitled, "Establishment of Warrants for Electronic Toll Collection (ETC) Operations in India" in 4th International Symposium on Freeway and Tollway Operations, 26-30 June 2023 in Vienna, Austria. (2nd Prize Award) Awarded with a Travel Grant of 3300 Euros and a cash prize of 750 Euros.
- Best Paper Award for the paper entitled, "Effect of Boom Barrier on Capacity of FASTag Lanes" in 2nd International Conference on Transportation Infrastructure Projects: Conception to Execution, 14-17 September 2022, IIT Roorkee, India.
- Visiting Research Scholar for 45 days at Technical University of Munich (TUM) under DST-DAAD scheme for the research project entitled, "Warrants for Automation of Toll Plazas under Mixed Traffic Conditions" (DST/INT/DAAD/P14/2020) handled by Dr. Ashish Dhamaniya, Professor, SVNIT, Surat (Indian PI) and Dr. Constantinos Antoniou, TUM School of Engineering and Design, TUM, Munich.
- Received funding from the Department of Science and Technology under International Travel Scheme (ITS) for attending the 101st Annual Meeting of Transportation Research Board, Washington D.C., January 9-13, 2022 (*Grant Number: - ITS/2021/000181*)
- Best Reviewer Award for reviewing papers in the Conference of Civil Engineering Trends and Challenges for Sustainability-2021, N.M.A.M. Institute of Technology, NITTE, Karkala, India, November 19-20, 2021
- Best Paper Award for the paper entitled, "Capacity Analysis of FASTag Lanes under Mixed Traffic Conditions: A Micro-Simulation Approach," in 1st International Virtual Conference on Emerging Research and Innovations in Civil Engineering (ERICE 2021), 15th May 2021, Dr. S. & S. S. Ghandhy College of Engineering & Technology, Surat.
- Invited to the research talk by PTV VISSIM Student Chapter.
- Best Paper Award for the paper entitled, "Analysis of Geometric Design Elements at Toll Plazas Under Mixed Traffic Environment," International Conference on Recent Advances in Civil Engineering for Sustainable Development (RACESD), February 13-14, 2021., MANIT Bhopal
- Gold Medallist for College Topper in M. Tech Transportation (Year-2019)
- Silver Medallist for Department Topper in M. Tech Transportation (Year-2019)
- Best Thesis Award for a thesis entitled "Delay and Emission Modelling at Manually Operated Toll Plazas under Mixed Traffic Conditions" in M. Tech Transportation (Year-2019)
- Best Paper Award for paper entitled "Acceleration and Deceleration Characteristics of Light and Heavy Commercial Vehicles at Manually Operated Toll Plazas" in the 6th

SHORT TERM COURSES ATTENDED:-

- Short Term Training Programme on “Recent Developments and Advancements in Transportation Engineering” organised Online by the Centre for Transportation Research, Department of Civil Engineering, National Institute of Technology Calicut from 13th to 18th March 2023.
- Road Pricing for Transportation Demand Management, sponsored by MHRD, Govt. - of India and UKIERI at BITS Pilani, March 21st to 25th, 2022.
- Short Term Training Programme on, “Advance Approaches in Data Collection Methods and Analysis for Heterogeneous Traffic Flow Modelling”, organized by Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology, Surat,
- Short Term Training Programme on "Applications of MCDM Methods in Logistics and Transportation Engineering (MMLT 2021)" jointly organized by Department of Mechanical Engineering and Civil Engineering, NIT Calicut, 1st to 05th December 2021.
- Short Term Training Programme on “Multiple Attribute Decision Making and its Industrial Applications -II” (Online Mode), organized by Mechanical Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat from 21-25 December 2020.
- Short Term Training Programme on “Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT), organized by Mechanical Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat from 25-29 November, 2019.
- GIAN Course on “Effective Road Safety Practices-Prevention is Better than Cure”, 6-10 August 2018 (Certification by MHRD)

SCHOLARSHIP AWARD

- Selected by MHRD, Government of India with Scholarship for Ph. D., Sardar Vallabhbhai National Institute of Technology, India.
- Selected by MHRD, Government of India with Scholarship for M. Tech, G. H. Raisoni College of Engineering, Nagpur, India.

EXPERT TALK DELIVERED

- Expert talk on “Conceptual Framework for Distance-Based Dynamic Toll Pricing for Mixed Traffic Conditions” Road User Charging Conference Asia Pacific, Singapore, 1st and 2nd Oct 2025.
- Expert talk on “Lane Choice at Toll Plaza using TODIM Methodology” in “Five-Day Workshop on Trends in Modern Decision Making: Application of MCDM and Optimization” organized by Department of Civil Engineering, Mahindra University, 23rd June to 27th June 2025.

- Expert talk on “Use of Drone Data for Shockwave Analysis” in Five Days Faculty Development Programme on “Cutting-Edge Innovations and Future Trends in Civil Engineering” organised by the Department of Civil Engineering, The KBT College of Engineering, 10th March to 14th March 2025.
- Expert talk on “Types of Research Grants” as a Keynote Speaker in 6-day online Faculty Development Program (FDP) on “Academic and Industry Research Opportunities, Research Grants and Publications” organised by the Department of Civil Engineering, Marathwada Mitra Mandal’s Institute of Technology, Pune, 16th to 21st December 2024.
- Expert talk on ‘Use of Advanced Data Collection in Transportation Engineering’ as a Keynote Speaker at the three-day Faculty Development Programme held on 08/11/2023 at Sri Balaji College Engineering & Technology, Jaipur.
- Expert talk on “Application of UAV data for Shockwave analysis at Signalized Intersection” in One Week High-End Workshop on “Application of Unmanned Aerial Vehicles (UAVs) for Advanced Data Interpretation in Transportation Engineering (AUDIT 2023), under the KARYASHALA Scheme, organized by Department of Civil Engineering, National Institute of Technology, Calicut, 31st July – 6th August, 2023
- Expert talk in a day workshop on “Essentials for Research Paper and Thesis Writing”, organized by the Civil Engineering Department, Sandip Institute of Technology and Research Centre, Nashik on 14th April 2023.
- Expert talk on “Application of Machine Learning” in 5 Days Faculty Development Programme on Conviction of Artificial Intelligence in Civil Engineering, organized by Civil Engineering Department, Shri-Vithal Education & Research Institute (8th March 2023 to 12th March 2023).
- Delivered expert talk on “Mendeley for Referencing” organized by the Department of Civil Engineering, National Institute of Technology, Calicut on 23rd October 2021.

PAPER SETTER:-

- First Year M. Tech. Transport Engineering Semester- II Course- Highway Structures, End Semester Examinations April/May – 2024, JSPM University Pune
- First Year M. Tech. Transport Engineering Semester- I Course - Traffic Engineering, End Semester Examinations January 2024, JSPM University Pune

REVIEWER:-

- **Journals:** Current Psychology; Transportation Research Part F, Innovative Infrastructure Solutions; PLOS one, Cluster Computing, Transportation Engineering; Communications Earth & Environment; Nature Communications; Transportation Letters: The International Journal of Transportation Research; Journal of Hazardous, Toxic, and Radioactive Waste; Transportation Research Part A: Policy and Practice; Materials Today: Proceedings; Journal of Transport Problems
- **Conferences:** Annual Meeting of Transportation Research Board (TRB); Conference of Transportation Research Group of India (CTRG), International Conference on Transportation System Engineering and Management (CTSEM); International

Conference on Logistics, Supply Chain and Transportation, 2024; EAI Endorsed Transactions on Smart Cities; International Conference on Transportation Infrastructure Projects: Conception to Execution (TIPCE), International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC)

SOFTWARE SKILLS:-

VISSIM, Origin, MiniTab, SPSS, AutoCAD, Python, Microsoft Office Tools (Excel, Word and PowerPoint)

WORK AS ORGANIZING COMMITTEE MEMBER

- Technical Committee Member for 11th International Conference on Transportation Systems Engineering & Management (CTSEM 2025), MANIT Jaipur, July 4 - 5, 2025
- Organizing Secretary for “Five-Day Workshop on Trends in Modern Decision Making: Application of MCDM and Optimization” organized by Department of Civil Engineering, Mahindra University, 23rd June to 27th June 2025.
- Programme Committee Member for 3rd International Conference Transportation Infrastructure Projects: Conception to Execution (TIPCE), IIT Roorkee, September 18-21, 2025
- Organizing member for “A One-Day National Workshop on Next-Gen Mobility – Innovations in Transportation Systems”, Mahindra University on 29th November 2024
- Lead Student Organizing Secretary for the 4th National Conference on Recent Advances in Traffic Engineering (RATE 2022), SVNIT, Surat, during 11th and 12th November 2022.
- 6th Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), SVNIT, Surat, during 14 and 15th June 2019
- 3rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), SVNIT, Surat, during 11 and 12th August 2018.
- Technical President, SPANDAN, G. H. Raisoni College of Engineering, Nagpur (2018)
- Technical President, Tech-Feast, Matoshri College of Engineering, Nashik (2017 and 2016).
- Cultural President of Jamboree in Matoshri College of Engineering, Nashik (2017).
- Member of Library Committee in Matoshri College of Engineering, Nashik (2017).
- Organizing Student President for Cultural Event of NAAC in Matoshri College of Engineering, Nashik (2017).

EXTRA-CURRICULAR ACTIVITIES

- General Secretary (G.S.) of Matoshri College of Engineering & Research Centre, Nashik (2015-16).

- Felicitated for the post of G.S. by the former member Ministry of Maharashtra Pankajatai Munde.
- Second prize in Drama in Jamboree (2013), First prize in Drama (2017)
- First Prize in Rangostav (2011)
- First Prize in best organizing committee.
- Student Head of Jamboree (2016)
- Vice President of the CESA Committee in year 2015
- College Topper in BE Civil for Year 2014, 2015 and 2016

INTEREST:-

Reading, teaching, event management

PERSONAL PROFILE

- **Date of birth** : 21st Feb. 1996
- **Language known** : Marathi, Hindi & English.
- **Marital Status** : Married

DATE: 22-12-2025

PLACE: Delhi

Chintaman S. Bari
Signature