



DHAVALKUMAR T. BAROT

Assistant Professor
Civil Engineering Department,
Government Engineering College, Valsad

E-mail : dhaval2986@gmail.com

Mobile: 9377757270

EDUCATION

MTech in TRANSPORTATION ENGINEERING & PLANNING **2010**

Sardar Vallabhbhai Institute of Technology, Surat

BE in Civil Engineering **2007**

Birla Vishwakarma Mahavidyalaya Engineering College, V.V. Nagar, Anand

TEACHING EXPERIENCE

Assistant Professor **2017-present**

Government Engineering College, Valsad

Adhoc Assistant Professor **2010-2011**

Faculty of Engineering Technology & Research, Bardoli

PROFESSIONAL EXPERIENCE

Traffic Consultant **2016-2017**

Secure Parking Solution Pvt. Ltd., Mumbai

Manager **2015-2016**

Tata Consulting Engineers Ltd., Mumbai

Assistant Traffic Engineer **2012-2015**

Systra MVA Consulting India Pvt. Ltd., Mumbai

Site Supervisor **2007-2008**

Reliance Infocomm Ltd., Gujarat

FIELDS OF RESEARCH INTEREST

Micro-Simulation

Traffic Impact Assessment

Highway Geometric Design

Highway Pavement Design

Signal Designing

TECHNICAL SKILLS

- Programming languages: C, C ++
- Computer Aided Design packages: VISSIM, VISWALK, VISUM, SIDRA, PARAMICS, Mx ROAD, CUBE, AutoCAD
- Other: Windows OS, IOS

PUBLICATIONS

Conference Papers

Prof. Dhaval T. Barot, Prof. Devendra J. Patel, Keyurkumar Dilipbhai Solanki, Patel Sunil Mukeshbhai, Patel Vaibhav Ajaybhai, Patel Yashkumar Dilipbhai (2019) "An experimental study on influence", 6th Colloquium on Transportation System Engineering and Management, SVNIT, Surat

Prof. Dhaval T. Barot, Prof. Devendra J. Patel, Kamariya Hiren Kumar, Patel Shivam Surendrabhai, Sharma Vineet Bajrang, Solanki Keyurkumar Dilipbhai (2019) "A case study on travel pattern characteristics of Government Engineering College, Valsad", 6th Colloquium on Transportation System Engineering and Management, SVNIT, Surat

Prof. Dhaval T. Barot, Prof. Devendra J. Patel, Utsav K. Domadia, Keyur H. Devganiya, Harshad B. Dabhoya, Dhruvi N. Sangani (2018) "Parking Study of Station Road, Valsad", Proceedings of the National Conference on Recent Advances in Traffic Engineering: (RATE), SVNIT, Surat

Barot, D. T., Errampalli, M. and Velmurugan, S. (2010) "Impact of Lane Change Behaviour on Capacity of Multi-lane High Speed Corridors.", Proceedings of the International Conference on Developments in Road Transportation DRT-2010, NIT

Barot, D. T., Errampalli, M. and Velmurugan, S. (2011) "Toll plaza simulation using VISSIM", Proceedings of International Conference on Advances in Materials and Techniques for Infrastructure Development (AMTID 2011) NIT Calicut, India.

KEYNOTE LECTURE DELIVERED

- Expert Lecture on "Enhancing project report writing skill using MS Word tool", Environmental Department, Government Engineering College, Valsad, 30/7/2019
- Expert Lecture on "A lecture on GPSC Exam", Daulat-Usha Institute of Applied Science and Dhiru-Sarla Institute of Management & Commerce, Valsad, 6/9/2018
- Expert Lecture on "Heterogeneous Traffic Modeling in VISSIM Platform", SVNIT, Surat, 1/4/2013

WORKSHOP / TRAINING ATTENDED

- Workshop on "Accident Recording and Analysis procedures for India", CRRI, New Delhi, 9/07/2010
- Workshop on "Utilization of Fly Ash", SVNIT, Surat,

CONSULTANCY WORK

- "Construction of National Dandi Memorial Complex at Dandi, Distt. Navsari (Gujarat) Involving C/o Bridge, Welcome Centre, Salt making centre, Toilet Block, Path way, Monolith, Fixing statue of 81 Marchers, A-frame Structure, Lake, Solar Trees, Workshop and associated works of Electrical & Horticulture" of project cost Rs. 65 Cr (April 2017 to September 2019)

PROFESSIONAL MEMBERSHIPS

- Life Member, Indian Society for a Technical Education

PORTFOLIOS

- Departmental Co-ordinator, SSIP, GEC, Valsad

2017- present

SUBJECT TAUGHT

- Highway Engineering
- Railway Bridge & Tunnel Engineering
- Urban Transportation Systems
- Programming for Problem Solving
- Building & Town Planning
- Basic Civil Engineering
- Mechanics of Solids