

FACULTY PROFILE

Ms. Vaishnavi Rajesh Kharat
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Department of Civil Engineering

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QUALIFICATION

- M.Tech in Transportation Engineering And Planning from Sardar Vallabhbhai National Institute of Technology(SVNIT) (An Institute of National Importance), Surat, Gujarat (July 2024)
- B.Tech in Civil Engineering from Bharatiya Vidya Bhavan's Sardar Patel College of Engineering(SPCE) a government-aided autonomous engineering college Mumbai, India. (August 2022)

TEACHING EXPERIENCE

- Assistant Professor, Gokhale Education Society's R. H. Sapat College of Engineering, Management Studies & Research, Nashik, Maharashtra (August 2024 - Present)

INDUSTRY EXPERIENCE

- Highway Intern, Internship at Buro Happold, Mumbai (May 2023)

RESEARCH PUBLICATIONS

1. Vaishnavi Kharat, Vineet Jain, Rajesh Chouhan, Ashish Dhamaniya, "Predicting Future Traffic Speed: Spatial and Temporal Predictions Through Time-Series Analysis," 26th EURO Working Group on Transportation Meeting, EWGT 2024
2. Vaishnavi Kharat, Vineet Jain, Rajesh Chouhan, Ashish Dhamaniya, "Short-Term Speed Prediction Over Space And Time: A Machine Learning And Deep Learning Approach." Transportation Research Board (TRB 2025)

CONSULTANCY PROJECTS

- Simulation of traffic operations at intersection for S.K Nagar at SVNIT Surat in Dec 2023.
- Development of trip generation model manual for Indian cities' project sponsored by CSIR-CRRI, New Delhi which includes household and establishment manufacturer, wholesaler, retail characteristics on January 2023.
- Sight distance-based reliability analysis for two-lane highway in Nov 2022 for reliability analysis for 24 horizontal curves of Dharampur ,Gujarat.

ACHIEVEMENTS

1. Certificates

- Interpersonal Effectiveness And Team Building.-To develop innovative solutions and strategies for effective decision-making.
- Renewable Energy And Green Building Entrepreneurship-An online course authorized by Duke University and offered through Coursera.
- Excel Skills For Business: Essentials-An online course authorized by Macquarie University and offered through Coursera.
- Maharashtra State Certificate Of Information Technology (MHCIT) secured 3rd rank in class with 99%.

2. Academics

- Silver Medalist in MTech Transportation Engineering And Planning with CGPA 9.18.
- Secured 2nd rank in semester 8 with SPI 9.56 during B. Tech In Civil Engineering
- Gold Medalist in district with 1st rank in school at National Science Olympiad (NSO)
- Secured 159th national rank in National Mathematics Indian Talent (NMIT)
- Gold medalist secured 1st rank in school in International Mathematics Olympiad (IMO)

3. Extracurricular

- Organizing Committee in CTRG - Conference of Transportation Research Group of India in 2023.
- The administrative head of the ROTARACT club at college.
- Organized fashion show event of SPACE -The cultural fest of college.
- Administrative head in Spectra - The technical fest of college.
- Organized auction event in SPECTRA - The cultural fest of college.

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