

MAYANK MAHESH TANKSALE

Education: **M.Tech. Transportation Engineering**, COEP Technological University, 2025

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ACADEMIC DETAILS					
COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
M. Tech	Transportation Engineering	COEP Technological University	COEP Technological University	6.91 CGPA	Pursuing
PG-Diploma	Rail and Metro Engineering	COEP Technological University	COEP Technological University	6.94 CGPA	2022
B. Tech	Civil Engineering	Vishwakarma Institute of Information Technology	Savitribai Phule Pune University	7.08 CGPA	2021
Subjects / Electives		Traffic Engineering and Management, Road Safety Analysis and Safety Audit, Analysis and Design of Pavements, Probability and Data Analysis, Highway Structures, Highway Materials, Reliability Engineering, Highway Geotechnology, Underground Structures, Film Appreciation			
Technical Proficiency		AutoCAD, PTV Vissim, Revit, MS Excel, MS Word, KENPAVE, OpenRoads Designer			
SUMMER INTERNSHIP / WORK EXPERIENCE					
1. Traffic Engineer (Intern), Global Traffic Solutions				May 2024 - Present	
<ul style="list-style-type: none">• Road Safety Audits at construction and operation stages.• School Zone Safety Audit• Design of traffic signal timings and phasing.• Analysis of Level of Service for Urban Roads, Signalized and Unsignalized Intersections and Roundabouts using methodologies prescribed by IRC and Indo-HCM.• Trip generation and distribution and Traffic Feasibility Studies.• Development of improved lane geometries for efficient traffic flow.• Development of Work Zone Traffic Plans for urban road projects.• User surveys and data collection for public transportation feeder systems.					
2. Design Engineer (Full Time), Shree Khairnar Construction Private Limited				Mar 2023 - Sep 2023	
Engineering design of Pipe Distribution Network for Lift Irrigation Systems at various Irrigation Projects undertaken by Water Resource Department of Govt of Maharashtra. Design of pump rooms for LIS Distribution Networks. Topographical survey management for LIS projects, along with Gat wise Chak Planning for contour mapping. Value Estimation work done for reestablishment efforts of various project affected villages. Extensive use of Autodesk AutoCAD and MS Office, specifically MS Excel and MS Word for project documentation and submission of design proposals.					
CERTIFICATIONS					
CERTIFICATION			CERTIFYING AUTHORITY		
Road Safety Audit and Other Road Safety Aspects			CSIR – CRRI (Central Road Research Institute)		
Excel Skills for Business: Intermediate I			Coursera		
Technical Person (Engineer)			Government Of Maharashtra Urban Development Department		
POSITION OF RESPONSIBILITY					
Social Media Co-Ordinator, Transportation Engineering Department, COEP Technological University					
TEST SCORES					
TEST NAME		DATE OF EXAM		SCORE	
GATE		Feb 12, 2023		Score:247/1000	

PROJECTSs

Study of Lane Changing Operations for Varying Traffic Conditions on a Multi-Lane Highway: A Developing Country Perspective - Traffic Engineering Jan 2024 - Present

- This study aims to understand the effect of varying LOS on the amount of lane changing maneuvers undertaken by road users.
- A mid-block section of an Indian National Highway is being studied with the help of roadside surveillance footage and the vehicle trajectory data is being obtained with IIT-Bombay’s Traffic Data Extractor software and Kinovea open-source path tracing software.

CONFERENCES AND WORKSHOPS

- **Urban Mobility India (UMI) Conference and Exhibition**
Organized by: **Ministry of Housing and Urban Affairs (MoHUA)** | Date: **25-27 October 2024**
Presented part of the research work based on the M. Tech dissertation study “Study of Lane Changing Operations for Varying Traffic Conditions on a Multi-Lane Highway: A Developing Country Perspective” at the 17th Urban Mobility India (UMI) Conference and Exhibition on Standardization and Optimization of Urban Transport Solutions.
- **Hands-On Training with Transportation Software**
Organized by: **Mahindra University** | Date: **Apr 2024**
The workshop offered a comprehensive understanding of tools used in transportation engineering along with the functionalities of licensed software like PTV VISSIM (traffic analysis), PTV VISUM (transportation planning), Open Roads (geometric design), and Kenpave (pavement analysis and design).

LANGUAGES KNOWN

- English
- Hindi
- Marathi

HOBBIES

- Reading
- Gaming
- Chess