

Innovative Highway Technology Design Engineer specializing in the design and integration of smart highway systems to create safer, more efficient, and sustainable road networks. Proficient in BIM and modern design tools for planning, modeling, and optimizing smart motorway projects. Adept at collaborating with multidisciplinary teams to deliver future-ready solutions, and committed to driving the adoption of smart mobility and digital transformation in highway infrastructure.

## Education

### Govt. S.k.s.j.t.institute, Visveswaraya Technical University

Bachelor's - Civil engineering

Bangalore, INDIA

2017

### Chidanand Kore Polytechnic, Department Of Technical Education Bangalore

Diploma - Civil engineering

Chikodi, INDIA

2014

## Experience

### WSP INDIA

ENGINEER Systems & Infrastructure

BANGALORE

Feb 2023

- Hands-on experience in the design of a smart motorway using advanced design software like AutoCAD, Civil 3D, and Revizto.
- Involvement in integrating highway technologies like ERT, CCTV, MIDAS, SVD, Ramp metering, ROTTM, Cabinets, ducts, and chambers to existing motorways.
- Managing or supporting the execution of projects from concept to completion, including feasibility studies, Preliminary design, Detail design, Construction support, and as-builts handover.
- Working closely with the technology lead for all stages of the project and actively involved in all types of client deliverables as a part of the Technology team.
- Working closely with a multidisciplinary team – Highway, Geotech, Drainage, etc, to deliver integrated design solutions.
- I have been part of inter-disciplinary meetings and different stages of asset fixes (AF) discussions.
- Reviewed survey models for As-built designs against the 1500 series schedule and identified technical queries (TQ) for various schemes. If any blockers flagged them back to OSA.
- Involved in creating technology fact files as a part of the Digital Infrastructure Design Library.
- Ensuring all designs and implementations comply with DMRB, MCHW. All the models and schematics are as per UK standards.
- Coordinating with contractors for queries associated with as-built information.
- Addressing technical queries for highway technology.
- Keeping up to date with emerging trends in smart mobility.

## Skills

- Highway Technology Design
- Feasibility study
- Preliminary design
- Detailed design
- As Built & Handover
- 2D & 3D model using Civil 3D
- Clash detection using Revizto
- ProjectWise
- BIM360

## Professional Membership

MIET: Member of the Institution of Engineering and Technologies.

## ARCADIS

### CAD TECHNICIAN

BANGALORE

Mar 2020 - Jan 2023

- Hands-on experience in creating detailed technical drawings, maps, and layouts for environmental projects.
- Incorporating survey and environment data into CAD models.
- Working closely with the senior CAD technician and the Environmental consultants to translate field data into accurate drawings.
- Ensure all drawings comply with relevant environmental regulations, standards, and best practices.
- Review and check drawings for accuracy and consistency.
- Revise drawings based on feedback from consultants and regulatory authorities.
- Assist in the preparation of reports, presentations, and visualizations for environmental projects.
- Implemented model health checks and CADQA as a part quality assurance.
- Review and check drawings for accuracy, completeness, and consistency.

## BUILDSTAR PROJECTS PVT LTD

### ASSISTANT QUANTITY SURVEYOR

BANGALORE

Jul 2018 - Jan 2020

- Drafting the sections of interior components of the building with coordinating with consultants and clients.
- Preparation of a detailed estimate of the respective piece of work after approval by clients or consultants.
- Have experience in Material Reconciliation after the project is completed.
- Worked on the clubhouse design and Indore courts design as per international sports standards.

## Awards

- I have been recognized as an "Emerging Employee for 3Q2021" for working on the High Speed 2 project.
- I have been rewarded & recognized with an on-the-spot award for working on the SMA NEAR project in 2025.

## Certifications

- Certified ISO 19650 Information Manager Level 3 Expert course
- Certified Revizto Elite expert course level 3