

Supriya Nawale

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EDUCATION

Master of Civil Engineering (Structural), Pune University, Pune, India **Oct 2016**
Coursework: Earthquake Resistant Design of Structures, Structural Design of Steel Bridges, Advanced Design of Concrete Structures, Management in Structural Engineering Structural Dynamics, Structural Mathematics, Advanced Solid Mechanics
Bachelor of Civil Engineering, Pune University, Pune, India **Aug 2010**
Coursework: Environmental Engineering, Transportation Engineering, Foundation Engineering, Project Management & Computer Applications, Engineering Economics & Management, Structural Design, Geotechnical Engineering

SKILLS

- Core: Project Planning, Troubleshooting Skills, Multitasking Skills, Structural Analysis, Structural audit
- Design Tools: SAP2000, STADDPRO ,ETABS, SAFE,RCDC V4
- Detailing Tools: Auto-Cad
- Other: Microsoft Excel, Microsoft Office

CERTIFICATIONS

Construction Management Specialization, Columbia University, New York, United States

EXPERIENCE

Agastya Construction & Services, Sangamner, India **Sep 2016 – April 2022**

- Achieved outstanding results in leading 200 projects across diverse sectors, including Planning, Designing, Execution, Valuation and Estimation of Reinforced Concrete Structures.
- Demonstrated expertise in structural analysis and consulting, delivering effective solutions for complex engineering problems in apartment buildings, school buildings, and commercial complexes.
- Consistently monitored project progress and provided on-site consultations with contractors and engineers.
- Conducted comprehensive structural audits, analyzing visual inspection reports and non-destructive tests to determine the extent of deterioration in structures caused by various factors like wind, rain, heat, moisture etc.
- Provided practical, cost-effective solutions for unforeseen problems during repair activities and evaluated the stability of structures to ensure their safety.
- Prepared detailed Structural Audit Reports, incorporating findings from structural audit analysis and repair & strengthening estimates.

J+W Consultants LLP Pune (Formerly Y. S. Sane Associates) **July 2011 – Aug 2016**
Design Engineer – Team Lead

- Successfully led a team of 17 engineers and trained them for software RCDC V4 (Design & Detailing software for Reinforced Concrete Structures) & SAFE.
- Managed team performance and was responsible for overall development and growth.
- Ensured all key performance metrics were met and directed the team in problem solving and continuous improvement.
- Performed complete Seismic analysis of structure, established design criteria, and prepared structural calculations for design of column, footing, pile cap, slab, beam, retaining walls etc. Also issued and guided reinforcement details to drafting team.
- Attended work progress meetings to resolve client queries and assisted with technical solutions, while conducting regular visits on ongoing projects. Also Coordinated with Architects and other departments for effective project completion.

Eisha Group, Pune, India **Oct 2010 – June 2011**
Prepared estimates and budgets by evaluating bill of quantities.

ACADEMIC PROJECTS

Pushover Analysis of RC Frames Considering Soil Structure Interaction

The response of a structure subjected to seismicity is complex and it depends upon various parameters in which soil structure interaction is most important. Till date most of the studies have been carried out considering base of structure as fixed, but this is not the ground reality. Therefore, in this study various structures are analyzed for fixed base as well as various movable base conditions (i.e. medium soil and soft soil). Pushover analysis is employed for this study.

REGISTRATIONS

- Structural Engineer - Pune Municipal Corporation
- Structural Engineer - Pimpri Chinchwad Municipal Corporation
- Structural Consultant Category A - Indian Society of Structural Engineers
- Unemployed Engineer Class V - Government of Maharashtra Public Works Department
- Approved Valuer of Immovable Property - The Indian Institution of Valuers