

Ms. Siddhi Mahesh Sawant

Structural Engineer / Visiting Faculty



A/P Pali (Marathewadi),

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Career Objective

To leverage my expertise in structural engineering and academic experience to contribute to the advancement of civil engineering education and practice. As a dedicated professional, I aim to foster innovation in structural design, mentor aspiring engineers, and bridge the gap between theoretical concepts and practical applications through engaging teaching methodologies and hands-on training.

Educational Qualification

Course	Institute	University/ Board	Year Of Passing	Percentage / Grade
M. Tech in Structural Engineering	MIT-World Peace University, Kothrud-Pune	World Peace University	2023	9.41 CGPA
B.E. in Civil Engineering	Gharda Institute of Technology, Khed- Ratnagiri	Mumbai University	2021	8.45 CGPA
Diploma in Civil Engineering	Rajendra Mane Polytechnic, Ambav- Ratnagiri	MSBTE	2018	82.55%
Class X (SSC)	D. J. Samant English Medium School, Pali-Ratnagiri	Konkan Board	2015	85.20%

Professional Experience

- Visiting Faculty** 01/2024-Present
Loknete Shamrao Peje Government College of Engineering, Ratnagiri-Maharashtra
 - Delivered lectures on RC Design, Engineering Mechanics, Airport Engineering, Structural Design, Surveying, Quantity Survey and Valuation, and Construction Techniques, along with labs for related courses.
 - Accompanied Final-Year Civil Engineering students to a Solid Waste Management (SWM) Project in Ratnagiri on 22/10/2024 for practical exposure to sustainable waste management.
 - Coordinated visits for Third-Year Civil and Infrastructure students to Trident Laboratories in Mirjole, Ratnagiri (30/03/2024 to 04/05/2024) for hands-on material testing experience.

- Mentored students in projects, labs, and fieldwork, ensuring practical and theoretical integration and developed teaching materials, manuals, and assignments.
- **Intern** 02/2023 – 05/2023
Ajay Bhilare & Associates Pune, Maharashtra
 - Analyzed and designed RCC buildings using modern structural analysis tools.
 - Collaborated with senior engineers on various structural projects to understand practical challenges and solutions.
- **Practical Assistant** 03/2022 – 06/2022
MIT-WPU, Pune Maharashtra
 - Provided practical assistance for Engineering Mechanics lab sessions for first-year B.Tech students.
 - Guided students on experimental setups and data interpretation during lab experiments.
 - Ensured smooth lab operations and prepared lab records for evaluations.
- **Intern** 12/2019 – 01/2020
Shri. Pratik Sunil Salvi, Ratnagiri, Maharashtra
 - Supervised the construction of RCC residential buildings.
 - Assisted in material management and onsite coordination for structural components.
- **Intern** 06/2019 – 06/2019
Arihant Vastu Nirman Pvt. Ltd. Ratnagiri, Maharashtra
 - Contributed to the foundation construction of RCC residential buildings.
 - Gained insights into site operations, including foundation preparation and quality control measures.
- **Intern** 06/2017 – 06/2017
Anmol Builder, Ratnagiri, Maharashtra
 - Supported the construction of RCC residential building foundations.
 - Learned the basics of site execution, material handling, and construction safety protocols.

Technical Skills

- **Teaching:** Skilled in conducting engaging lectures and practical sessions, ensuring a blend of theoretical knowledge and hands-on learning.
- **Designing:** Proficient in designing RCC structures adhering to IS codes and standards.
- **Skilled in softwares like:** Microsoft PowerPoint, Microsoft Excel, Microsoft Word, ETABS, RCDC, SAFE, STAAD Building Planner, STAAD Pro, PlanWin, FrameWin, AUTOCAD, ZWCAD and Basic Prompt Engineering.

Academic Projects

- **Wind analysis of Vertical Irregular RCC Structure with and without various types of shear walls (2023).**
Analyzed the performance of a G+30 vertically irregular RCC structure under wind loads, comparing stability with and without shear walls with various opening configurations.

- **Comparative study of RC frame structure with or without Shear wall (2021).**

This project aimed to compare the behavior of an RC structure with and without shear walls and determine their optimal placement to enhance stability and resistance to lateral loads.

- **Performance of concrete by using Laterite as a partial replacement of natural aggregate (2018).**

This project aimed to study the suitability of laterite aggregate as coarse aggregate in Concrete and investigate the performance of concrete.

Publications

1. 'Wind Analysis Of Vertical Irregular RCC Structure With And Without Various Types Of Shear Walls', Journal For Basic Sciences, ISSN NO: 1006-8341, Volume 23, Issue 6, 2023, Pg no: 388-398.
2. 'Comparative study of RC frame structure with and without Shear wall', Iconic Research and Engineering Journals, e-ISSN: 2456-8880, Volume 4 Issue 11 May-2021, Page no: 57-62.

Soft Skills

- Public Speaking
- Active listening
- Patience
- Time management
- Teamwork
- Leadership
- Adaption to new tools
- EdTech integration

Personal Details

Nationality: Indian

Gender: Female

Date of Birth: 08/07/1999

Languages Known: English, Hindi, Marathi

Marital status: Unmarried

Declaration

I hereby declare that all the information mentioned above is true to the best of my knowledge and belief.

Date:-

Place:-

(Ms. Siddhi Mahesh Sawant)