

Profile

1. Personal Details:

Mr. Nilesh Rangrao Sutar
Assistant Professor,
Department of Technology,
Shivaji University, Kolhapur
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2. Academic Details

Sr. No.	Examination Passed	Subject with specialization	Year of Passing	Name & Address of the University awarding Certificate / Degree
1.	Diploma	D.C.E	2006	M.S.B.T.E
2.	UG	B.E.Civil	2009	Shivaji University, Kolhapur
3.	PG	M.Tech Structures	2011	Mumbai University

3. **Research Specialization:** High Rise Building, Earthquake Analysis of High Rise Building

4. Teaching Experience

• U.G.

Designation	From	To	Classes taught	Name and Address of the Institution
Assistant Professor	27 th Oct.2014	Till date	F.E. S.E. Civil T.E. Civil	Department of Technology, Shivaji University Kolhapur

5. Professional Experience

1. 10 Feb 13-25 Oct 2014:- Structural Design Engineer, *Jacobs Engineering India Pvt Ltd*, C.B.D. Belapur, Navi Mumbai.

Project Experience: - Design of Industrial Plants / Oil & Gas Plants.

Major Responsibilities:

- Analyze & Conceptualization of Structures.
- Preparation of design basis & Calculations.
- Work Hours Estimation & Planning for team.
- Preparation Quality documents, Standards & Presentations for ISO-9001.
- Material quantities.
- Co-Ordination with client, Vendors, Interdepartmental like Piping, Mechanical, Electrical, Process.
- Checking drawings, detailing, 3D Plant model review.

Major Projects : Reliance Industries Ltd, Jamnagar Refinery Project, Gujarat.

● **Warehouse Building:**

- Architectural Planning & Design of Warehouse & surrounding area & Roads
- Area = 63000 m²
- Design of foundations, UG Services.
- Vendor PEB documents review.

◆ **Tank farm Area:**

- Area = 136000 m²
- Design of tank & Sphere foundations having dia 10m ~ 12m dia. Height = 10m ~12 m
- Retaining walls.
- Design & detailing of Dyke wall, trenches
- Interfaces.
- Pipe sleeper foundation designs.
- Steel Structures- Platforms, trusses etc

-Document review Cryogenic tank – Ethylene Storage tank

2. 1-Aug 11-15 Feb 13 :- Structural Design Engineer, *Arnita Sez Consultants Pvt. Ltd*
Mumbai.

Project Experience: - Design of Pharmaceutical Plants.

Design of R.C.C. Structures: - RCC Buildings such as Main plant building, Utility,
Warehouse, Scrap Store buildings. Chimney foundation,
Pile foundation, UG water tank, OH water tank, Equipment
Foundation, Retaining wall, Trenches.

Design of Steel Structures: - Roof truss, Pipe-Racks, Staircase, and Platform.

Job Responsibilities:-

- Study the Structural & architectural drawings of assigned project, understanding the GA Layout.
- Formulating Structural system.
- Making of DBR and loading sheets.
- Modelling the structures in software's.
- Co-ordination with various engineering departments i.e. Mechanical, Electrical, HVAC.
- Checking of detailed drawing , Reviewing Vendor drawings.
- Develop “**Spreadsheets**” for design of structural elements.

Projects Completed:

- Swiss Garnier, Sikkim- Tablet formulation plant.
Keys: Located in Sikkim hilly area, Main building G+6 having 10 to 12 m span & loading @ 5 to 10 kN/ Sqm, Large level difference about 10m handled by plum concrete. Modeling in Etab
- Zydus Hospira, Ahmedabad- Injection facility building.
Keys: Located at Zydus, Ahmedabad, Main building G+2 with large equipment loading. Designed pile caps with combined action of combined footing.
- Makson Lab, Indore- Eclairs chocolate plant.
Keys: Located at Indore, Large span truss design on existing structure
Underground water tank design of depth 5m in critical soil condition.
- Ajanta Pharma Ltd, Dahej- Tablet formulation plant.
Keys: Located at Dahej sez, Structural modelling of G+1 Large span RCC building.

3. Research Project

- **M-Tech Structural Engineering: Earthquake Analysis of High Rise Building with and without infilled walls**
In this dissertation work, Earthquake analysis of High-Rise building G+37 with and without infilled walls using diagonal strut approach by linear time history analysis is carried out for two time history graph such as Northridge and Loma Earthquake and comparison of base shear, displacement and other details is carried out.
- **Special Project (B.E.Civil):- “Watershed Development Project” Sponsored and Organized by Hindustan Construction Company.(2008)**
This project was proposed for Design and Construction of Weir on Kalisindh River, Dist. Kota, Rajasthan. In this project feasibility study and site survey carried out.
Design of R.C.C. weir is carried out.

4. Software Skills

- Etabs -9.7.3.
- SAP 2000-12.
- SAFE
- Staad Pro-V8i.
- AutoCAD
- MS- Office.

5. Co-curricular and extra-curricular activities:

(Department of Technology, Shivaji University,Kolhapur)

- Programme Co-ordinator – Institute Interaction meet- Recent Trends and Opportunities in water sector and Rural Development.
- Developed Research and Development Team
- Software learning Guidance for Faculty and Students
- Civil and Structural Engineering Consultancy for Department of Technology
- Development of Labs

6. Personal Details:

Permanent Address: - Shreeniket, 2117, A ward, Near K.M.C. College,

Gangawesh, Kolhapur, Maharashtra- 416012

Mobile No: - 08898772929

Email-id: - Nileshsutar1@gmail.com

Date of Birth: -19th August 1988

Marital status: - Unmarried

Hobbies:-

- Painting
- Art work of thermacole sheets
- Playing music