

Curriculum Vitae

APURVA ASHOK VIBHUTE

Contact No. 📞 : 9511725239 / 9765469306

E-mail ✉ : vibhuteapurva@gmail.com

🌐 : <https://www.linkedin.com/in/apurva-vibhute-736a6a165/>



BRIEF OVERVIEW:

- M.Tech in Structural engineering secured with First class with distinction.
- Structural design engineer with ten months experience in analysis and designing multi storied RCC building as well as Steel structures like warehouses, industrial sheds pipe rack.
- Structural design Intern with one year experience in designing water tanks, septic tanks, retaining walls.

EXPERIENCE:

Organization : Tata Consulting Engineers (August'2019 – Till date)

Designation : Structural consultant

- Analysis and design of **the G+5 RCC Office building and P+3 client office building** in **STAAD CONNECT** for Client **McDermott** (Saudi Arabia Aramco).
- Review of the structural drawings, **detailing of reinforcement schedules for beams. Columns, footings, retaining wall, water tank.**
- Analysis and design carried out in **STAAD CONNECT** of **security block G+2 (No.s-5)** (M30 grade of concrete) extracted into the **RCDC** for client **SSIPL** (Schwing Stetter India Private Limited), Kanchipuram-Tamil Nadu.
- Design of RCC Columns, Isolated Footings, Beams, Shear wall in **RCDC**.
- Analysis and design carried out on **STAAD Connect** of **scrap yard shed** (Dimensions 10m x 8m x 6m Height) for client **SSIPL** (Schwing Stetter India Private Limited), Kanchipuram-Tamil Nadu.
- Analysis and design of **the pipe rack of length 27m** having three spans at spacing 17m+7m+3m cantilever for client **MVML** (Mahindra and Mahindra Chakan, Pune).
- Analysis of the PEB structures **Industrial sheds, chemical storage, warehouses** in **STAAD Connect** for Client **McDermott** (Saudi Arabia Aramco).
- Preparation of **Design Basis Report** for Client **McDermott** (Saudi Arabia Aramco).
- Review of the structural drawings PEB (steel warehouses, ladders,) for **ONGC**.
- Preparation of **Design Basis Report** for **SSIPL** (Schwing Stetter India Private Limited), Kanchipuram-Tamil Nadu.
- Worked on estimation of bill of quantities like steel tonnage for **Pipe rack** for client **MVML** (Mahindra and Mahindra Chakan, Pune).
- Analysis and design of the **underpass tunnel** (box culvert) with vehicular loading as per IRC 6 considering soil stiffness in form of spring model at bottom in **STAAD Connect** for client **MVML** (Mahindra and Mahindra Chakan, Pune).

Organization - Structural Consultancy in college of engineering, Pune. (June' 2018 – May' 2019)

Designation – Intern

- Analysis & design of **Retaining wall** (M25 grade of concrete) with 5m, 7m and 8.5m height.
- Analysis & design of **rectangular underground water tank** (M30 grade of concrete) 4mx7m with 2.5m height with hydrostatic pressure as per IS 3370 code in **STAAD PRO**.

- Analysis & design of **rectangular septic tank** (M30 grade of concrete) 2.5 mx 4.5 m with 1.8m height in **STAAD PRO** for 180 people for military campus for PWD (Government of Maharashtra) nagpur.
- Site visits for structural audits NDT testing such as rebound hammer test, core test and Ultrasonic pulse velocity test for the Government hospital quarters in chakan for report writing.
- Analysis & design of **KT weir** (Kolhapur type) in **STAAD PRO**.for CPWD (Government of Maharashtra).finite element plate model with 1.2m height for 2m opening.

ACADEMIC ACHIEVEMENTS :

Qualification	Specialization	Institute	Score	Year of passing
Master of Technology	Structural Engineering	Vellore Institute of Technology, Tamil Nadu, India.	7.85 CGPA	2017-2019
Bachelor of Engineering	Civil engineering	KIT'S College of Engineering, Kolhapur, Maharashtra, India	66.4%	2014-2017
Diploma	Civil engineering	Government Polytechnic, Kolhapur, Maharashtra, India	80%	2011-2014

SKILL SET :

General application – MS-OFFICE (Excel, word and power point)

Technical applications- Auto CAD, E-TABS, STAAD – PRO, SAP2000, RCDC, SAFE, REVIT (Beginner).

PROJECT / RESEARCH WORK :

M.Tech Project -

1. Behavior of auxetic sandwich core under the uniformly distributed load -Studied Mechanical response of the auxetic re-entrant material under UDL. Studied **negative poisson's ratio** Analysis is carried out in **ABAQUS CAE**.

2. Evaluation of Response Reduction Factor of RCC Elevated Water Tank with varying height and water level in the container of water tank in **SAP2000**, Introduction to the sloshing effect of water on the side wall of the water tank container.

B.E. Project –

3. Analysis of transmission tower by using the different configuration of bracing system under the influence of lateral load-.Analyzing transmission tower under wind load using different configuration of bracings. Analysis was done in **SAP 2000**.

PERSONAL DOSSIER:

Date of Birth: 28th August 1995

- **Permanent Address:** F '216', Swati complex, Shivaji peth, Kolhapur, 416012.
- **Linguistic Skills:** English, Hindi, Marathi
- **Nationality:** Indian

DECLARATION

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

Date:

Place:

Miss. Apurva A.Vibhute