

AKSHAY PATIL

Address:

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Thane (w), 400606

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Summary

- A performance – focused professional able to perform structural analysis and designing of reinforcing concrete structure and steel structure.
- Providing pragmatic solution for proposed new structure and existing structure.
- A quick learner having successfully designed, detailed and performed construction monitoring for residential, commercial and industrial project.
- A good team leader and member, able to communicate with all team member.

Career objective

To Achieve high career growth through continuous process of learning for achieving goal & keeping myself dynamic in the changing scenario to become a successful professional and leading to best opportunity.

Experience

Structural Project Engineer - 07/2019**Indurkar structural Engineer- Mumbai****Job profile: -**

- Review project, scope of work and specification.
- Co-ordinate with client and architect for feasibility of design to implement.
- Responsible for checking design parameter require for the design of structure.
- Co-ordinate and discussing all parameters require for design/Analysis with the senior engineer.
- Analysis & design of RCC structure and steel structure.
- Carrying out reinforcement and steel detail drawing in Auto-CAD.
- Leading the team to prepare RCC schedule.
- Checking and reviewing of structural drawing. Submittals for approval.
- Providing field support to execute the project.
- Visiting site during execution of work.
- Review materials and method statements submittals for approval.
- Making of field/site visit report.
- Attend technical discussion with client.
- Maintaining weekly work report of team.
- Making and carrying out excel sheet of analysis and design of structure as per relevant code.
- Contributing technically to the team and proving training to interns, freshers and junior engineers.

Design Engineer - 06/2016 to 06/2019

Sanrachana structural strengthening Pvt. Ltd- Thane

Job profile: -

- Preliminary site visit with client and architect to understand the site issue.
- Preparation of as build drawing incase RCC drawing are not available.
- Studying and analyzing NDT report to understand the structural condition.
- Analysis of structure (R.C.C commercial, residential buildings, Steel structures).
- Recommendation of retrofitting design.
- Preparation and Checking of final Drawing as per design.
- Estimating steel and concrete quantity.
- Preparation of technical and commercial proposal.
- Attend technical and commercial discussion with client.
- Do the site visit during execution of work.
- Preparation of compliance for site issues or client comments related to technical and drawings.
- Co-ordinates with client, Architect and execution team for feasibility of design to be implement.

Jr. Design Engineer - 02/2015 to 03/2016

S.V.Patel and associates. - Mumbai

Job profile: -

- Designed R.C.C Building structure up to 16 storey.
- Designed Industrial R.C.C building up to 4 storey.
- Site inspection of R.C.C floor, column and footing.
- Checking of centerline.
- Checking of final Drawing as per design.
- Estimating steel and concrete quantity.

List of projects involved

Jax residential ventures, Florida, USA.

- 7 storey wooden structure + podium + 2 storey parking garage.
- Calculating of gravity loading (Dead load + Live load + Roof live load) of wooden structure as per ACI-318.
- Calculating wind load calculation as per ACI-318.
- Checking design parameter as per ACI-318.
- Design of wooden load bearing structure as per ACI-318.
- Design of podium + 2 story RCC structure by using CSI-Etabs.
- Design of combine footing by using CSI-SAFE.
- Leading the team to prepare RCC drawing and wooden frame drawing.
- Review of structure drawing.

Gainesville West University, Florida, USA.

- 6 storey wooden structure + podium +
- Calculating of gravity loading (Dead load + Live load + Roof live load) of wooden structure as per ACI-318.
- Calculating wind load calculation as per ACI-318.
- Checking design parameter as per ACI-318.
- Design of wooden load bearing structure as per ACI-318.
- Design of podium structure by using CSI-Etabs.
- Design of combine footing by using CSI-SAFE.
- Leading the team to prepare RCC drawing and wooden frame drawing.

Pedestrian foot-over bridge, Western express highway, Bandra, Mumbai.

- Checking design parameter as per IRC-6:2016.
- Calculating gravity load and wind load as per IRC code.
- Design and analysis of steel truss frame by using CSI-SAP and review it on Staad-Pro
- Design of Pier and Pier cap as per IRC-6:2016 and IRC-78:2000
- Design of Pile cap and Pile as per IRC-78:2000 and IS-2911 section-2.
- Making of design report.
- Carrying out detail structural drawing in Auto-CAD
- Attend technical meeting with client.

Mahavir Universe, Bhandup, Mumbai.

- Ground + 33 storey RCC structure.
- Checking design parameter as per IS-456:2000.
- Design of G+33 storey structure as per IS-456:2000.
- Leading the team to prepare RCC drawing and wooden frame drawing.
- Review of structure drawing.
- Visiting site during execution.
- Making site visit report.

Tulsi Signature, Badalapur.

- Ground + 11 storey RCC structure.
- Checking design parameter as per IS-456:2000.
- Design of G+11 storey structure as per IS-456:2000.
- Leading the team to prepare RCC drawing and wooden frame drawing.
- Review of structure drawing.
- Visiting site during execution.
- Making site visit report.

Sai Shruti, Panvel.

- Ground + 13 storey RCC structure.
- Checking design parameter as per IS-456:2000.
- Design of G+13 storey structure as per IS-456:2000.
- Leading the team to prepare RCC drawing and wooden frame drawing.
- Review of structure drawing.
- Visiting site during execution.
- Making site visit report.

Emerson Pvt. Ltd, Wagle Estate, Thane.

- Analysis of RC column and beam as per load provided by client.
- Recommendation on structural strengthening design
- Working and design on RCC jacketing of column and foundation.
- Analysis of Steel mezzanine floor by different load cases.
- Recommendation on structural strengthening design for Steel mezzanine floor.
- Analysis of Flat slab as per IS-code.
- Making of analysis/design report.
- Estimating structural strengthening scheme.
- Checking and reviewing of structural drawing. Submittals for approval.
- Review materials and method statements submittals for approval.
- Co-ordinates with client, Architect and execution team for feasibility of design to be implement.

Apollo Hospital, Chennai (L&T)

- Analysis of RC column as per load provided by client.
- Recommendation on structural strengthening design
- Estimating structural strengthening scheme.
- Checking and reviewing of structural drawing. Submittals for approval.
- Review materials and method statements submittals for approval.
- Co-ordinates with IIT Team for design approval.
- Co-ordinates with client, Architect, L&T team execution team for feasibility of design to be implement.
- Site visit during execution.

RPG Life Science, Turbhe.

- Preparation of drawing of existing R.C.C structure.
- Study of NDT test carried on existing structure.
- Analysis of existing structure of STAAD pro by using NDT report.
- Recommendation on structural strengthening design.
- Making of analysis/design report.
- Estimating structural strengthening scheme.
- Checking and reviewing of structural drawing. Submittals for approval.
- Review materials and method statements submittals for approval.
- Co-ordinates with client, Architect and execution team for feasibility of design to be implement.
- Site visit during execution.

BASF India, Turbhe.

- Preparation of drawing of existing pipe rack structure carrying chemical and gases pipe.
- Calculation of load on existing structure.
- Calculation of additional load required to apply in existing structure.
- Analysis of existing and additional load on structure by using STAAD pro.
- Recommendation on structural strengthening design.
- Estimating structural strengthening scheme.
- Checking and reviewing of structural drawing. Submittals for approval.
- Review materials and method statements submittals for approval.
- Co-ordinates with client, Architect and execution team for feasibility of design to be implement
- Site visit during execution.

Vodaafone, Surat.

- Preparation of drawing of existing R.C.C structure.
- Study of NDT test carried on existing structure.
- Analysis of existing structure of STAAD pro by using NDT report.
- Recommendation on structural strengthening design.
- Making of analysis/design report.
- Estimating structural strengthening scheme.
- Checking and reviewing of structural drawing. Submittals for approval.
- Review materials and method statements submittals for approval.
- Co-ordinates with client, Architect and execution team for feasibility of design to be implement.
- Site visit during execution.

Skills

- Have a good knowledge of manual Design of R.C.C structure.
- Have a good Knowledge of steel detailing.
- Have a good working knowledge of construction industry and techniques.
- Proficiency in basic structural engineering principle and practices.
- Preparation of Drawing of R.C.C structure.
- Comprehensive problem-solving abilities.
- Good verbal and written communication skills.

Technical Skills

- Autodesk AutoCAD, with sound knowledge of 2D and 3D modeling.
- Bentley STAAD PRO v8i.
- CSI-ETAB.
- CSI-SAFE.
- Decon Stud-rail.
- Hilti Profis.
- Bluebeam.
- MS-Office, Windows 7, XP, Windows 10

Education

Examination	School/College	Board/University	Year of passing	%
ME (STRUCTURAL ENGINNERING)	S.C.O.E Kharghar, Navi- Mumbai	Mumbai University	APPEARED	----
BE	T.K.I.E.T Warananagar	Shivaji University	2013-2014	67.5%
TE	T.K.I.E.T Warananagar	Shivaji University	2012-2013	57.44%
SE	T.K.I.E.T Warananagar	Shivaji University	2011-2012	60.81%
FE	T.K.I.E.T Warananagar	Shivaji University	2010-2011	58.52%
TY. Diploma	Shree Ram Polytecnic. Airoli.	MSBTE	2009-2010	58.75%
S.S.C	SSTVM. Thane.	SSC	2006-2007	66.30%

Achievements

- Secured 1st position in ISTE NIT KOZHIKODE 2014.
- Secured 1st position in lead college project competition 2013-2014 at Shivaji University.
- Secured 1st position in Technical Exhibition 2013-2014 at T.K.I.E.T Warananagar.
- Secured 2nd position in project competition at Jidnyasa 2k14 at T.K.I.E.T Warananagar.
- Secured 2nd position in profest 2k14 at ADCET, Ashta.

Academic Project

Project title: - Bio-CNG from Pressmud and Scrubbing technology by using NaOH.

Description: - This project is based on generation of Bio-gas from pressmud which is the byproduct of Sugarcane. It is one of the highest solid wastes in western Maharashtra. The raw bio-gas contain H₂S and CO₂ which is reduced energy value of bio-gas, with the help of NaOH scrubbing the H₂S and CO₂ are reduced from Bio-gas.

Personal Profile

- Name: - Akshay Suresh Patil
- Father's Name: - Suresh Ganpat Patil
- Sex: - Male
- Marital Status: - Single
- Nationality: - Indian
- Date of birth: - 18th September 1991
- Hobbies: - Swimming, Painting, Playing Indoor games and outdoor games.
- Languages know: - English, Hindi and Marathi
- Permanent Address: - Laxmi Park II, Bldg no. 1/A-Wing Room no. 2,
Lokmanya Nagar, Thane (W), 400606,
Maharashtra, India
- Phone number: - 9967428925 (Permanent number),
816998431 (Alternate number).

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Thane (west)

(Akshay Suresh Patil)