AKSHAY PATIL

Address:
Laxmi park II, Building no. 1/ A-Wing Room no. 2,
Lokmanaya nagar,
Thane (w), 400606
Phone:
9967428925,8169984631
Email:
Akshay.patil91@gmail.com

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 - 01/20202
Rajeev Shah & Associates Structural Consultants - 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.

Structural Project Engineer - 07/2019 to 12/2020
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

Jinal Heights, Goregaon, Mumbai

- Ground + 16 storey RCC Residential structure.
- Checking design parameter as per IS-456:2000, IS-875 and IS-1893-2016.
- Design of G+16 storey structure as per IS-456:2000, IS-875 and IS-1893-2016.
- Design and analysis of RCC Structure by using CSI-Etabs-2017 and CSI-SAFE.
- Leading the team to prepare RCC drawing.
- Review of structure drawing.

Pushpavatika, Andheri, Mumbai

- Ground + 13 storey RCC Residential structure.
- Checking design parameter as per IS-456:2000, IS-875 and IS-1893-2016.
- Design of G+13 storey structure as per IS-456:2000, IS-875 and IS-1893-2016.
- Design and analysis of RCC Structure by using Etabs-2017 and SAFE.
- Leading the team to prepare RCC drawing.
- Review of structure drawing.

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.
- Co-ordinate with 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.
- Co-ordinate with 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.

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

M.E Project title: - Performance Evaluation of Unsymmetrical High-Rise Building with Different Types of Structural Techniques.

Description: - Presently, high rise buildings are generally constructed with a central core that helps transfer the load to the foundation. The frame tube and tube in tube structure have been commonly used in high rise buildings too. As per modern load conditions, columns take care of all gravity load and transfer it to the foundation and lateral load is resisted by tube structure, bracing system, outrigger system and by using other techniques. In this paper, various techniques are used to investigate the resist critical lateral load condition for unsymmetrical high-rise buildings. Various parameters like Story Drift, Lateral Displacement, Base Shear, and Story Displacement are reviewed for different types of structures used in unsymmetrical high-rise buildings. To perform a comparative study of various type structures, different models were developed by using ETABS software.

B.E 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.

Paper Publish

- International Research Journal of Engineering and Technology (IRJET), “Performance Evaluation of Unsymmetrical High-Rise Building with Different Type of Structural Techniques for Critical Load Condition” Volumn-07, April-2020.
- International Journal of Scientific & Engineering Research, “Performance Evaluation of Unsymmetrical High-Rise Building with Different Type of Structural Techniques for Critical Load Condition” Volume 11, Issue 4, April-2020.
- International journal of Scientific Research in Engineering and Management (IJSREM)- “Performance Evaluation of Unsymmetrical High-Rise Building with Different Type of Structural Techniques for Critical Load Condition “Volumn-04 dec-2020

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)