

DEEPAK JOSEY

Senior Structural Design Engineer

Designing | Project Management | Deliveries
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PROFILE

A skilled leader with high level planning experience and exposure in working within budgets and timelines. Qualified with a Masters in Structural Engineering and having handled projects worth INR 650 Mn, I am astute in developing best methods for structural design activities and determining the optimal sequence of operations on the construction site. My expertise stretches into performing and implementing mitigation plans for expediting the schedules, monitoring and revising designs as per client needs and set parameters. I am offering 9+ years of refined experience in handling complete Designing Life Cycle with expertise in areas such as Inception, Planning, Execution, Monitoring, Stake holder Management and Final Delivery to name a few. Projects that I have handled relate to Infrastructure, Shopping Malls, High End Villas, Corporate Buildings, High Rise Commercial Buildings and Stadiums. I am currently looking to migrate into a position that allows me to showcase my capabilities as a Project Head. Excellent communicator both verbally and visually with the ability to inspire colleagues to strive for the ultimate level of professionalism.

WORK EXPERIENCE:

Since 2008 July
B&T Ltd. Constructions
Chennai – Tamil Nadu – India

Roles Held:

- Since Jan-2016 - Engineering manager (Cadre M1-B)
- Jan-2013 to Dec 2015- Assistant Engineering manager (Cadre M1-A)
- July-2010 to Dec 2012- Assistant Engineering manager (Cadre O-2)
- Jan-2009 to June-2010- Senior Design Engineer (Cadre O-1)
- July-2008 to Jan-2009- Post Graduate Engineering Trainee

In my current position as the Engineering manager (Cadre M1-B) I develop and prepare 3D models and 2D construction drawings and sketches within civil and structural engineering disciplines. I work closely with other Designers, Drafters, and Engineers to ensure coordinated designs. My role demands from me:

- Cad Designing, detailing & supervising construction of all kinds of structures which covers:
 - Detailing & Design of Concrete and steel Structures.
 - Ensure that the structure has the strength required to perform its functions safely, economically and with a shape and appearance that is visually satisfying.
- Execute Detail Design & Engineering for and layouts based on general arrangement drawings completed during the basic engineering phase.
- Map clients requirements followed with technical discussion with clients / consultant & preparation of contract in accordance with the specifications / enquiry.
- Evaluate design changes & coordinate with technical teams for timely execution of project.

RECOGNIZED FOR

- Designing layouts for residential and commercial structures.
- Developing blueprints for highway construction projects in association with State Highways Authority.
- Providing solutions to build underground structures for water and gas piping for residential structures.
- Generating drawings for foundations and validate their sturdiness.
- Coordinating project requirements with the higher authorities.
- Collaborating with electrical, mechanical, and civil engineers for projects.
- Designing 3D models for all residential and commercial projects got them approved from clients.
- Providing installation drawings for reinforced concrete structures in hilly areas.
- Performing regular inspections of job sites and resolving design and architectural discrepancies.

CORE COMPETENCIES:

- Develop cost-effective design layouts based on construction specifications and requirements.
- Adhere to established design guidelines and procedures.
- Analyze design issues and recommend corrective actions.
- Perform civil design analysis and calculations according to project requirements.
- Determine construction cost and material estimates based on civil designs.
- Perform field surveys and investigations to prepare engineering drawings.
- Review project plan and determine the design feasibilities and constraints.
- Maintain accurate design files for reference purposes.
- Consider health, safety and environmental requirements when developing civil designs.
- Manage design projects within allotted timelines and budgets.
- Perform design changes and improvements according to changing project demands.
- Ensure compliance with ISO quality requirements.
- Provide assistance to design and construction teams

AREAS OF SPECIALIZATION:

- RCC structures.
- Post tensioned Slab/ Beams.
- Precast structures.
- Dynamic Analysis of structures.

PROJECT ROLE ACCOUNTABILITY:

- Validation of Structural software for new updates (ETABS, STAAD PRO, SAFE, SAP2000 , ADAPT & Inhouse Design software)
- Creating Structural Innovation/improvement ideas to use it in the regular Design practices
- Designing feasible and stable structural system designs that are cost effective.
- Modeling, Analysis & Design of structural elements using software applications according to the Architectural/client requirement using ETABS, STAAD PRO, SAFE, SAP2000 and ADAPT
- Designing and evaluating:
 - Prestressed / Post tensioned Slabs and Beams by manual as well as ADAPT software
 - Precast Structures
- Isolate, Raft and Pile foundation Analysis and Design using SAFE
- Design and Detailing of structural elements.
- Co-ordinates with service teams to fulfill the service and client requirements.
- Checking of structural drawings for release as good For Construction.
- Preparation of Bill of quantities for construction as well as Tender jobs.
- Preparation of Documents as per ISO standards.
- Responsible as Section Quality Controller for internal and ISO Audit.
- Coordinate with Vendors to finalizing the systems based on structural requirement
- Preparation of sketches for site issues with proper site team coordination and help in timely completion of the project.
- Guidance to subordinates in design concepts and preparation of structural drawings and documentation.
- Preparing standard design worksheets and drawings to speeding up the process
- Rehabilitation of structures based on client requirement.

TRAININGS & LECTURES:

I have had the privilege of facilitating and directing as the key spokesperson for multiple training modules and been invited as a Guest Lecturer in prestigious institutions.

- Conducted 6days Training program on “Industrial Approach of Analysis and Design of Buildings using ETABS” in Amitra University, Coimbatore.
- Conducted 6days Training program on “Building Analysis and Design using STAAD PRO software” in Bharathiyar Institute of Engineering for women, Attur.
- Invited as a Guest lecture to address “Latest Software Trends in Civil & Structural Engineering” in Mahendra college of Engineering, Salem.
- Invited as a Guest lecture to address “Science Vs Civil Engineering” in PSV Engineering college, Krishnagiri.
- Invited as a Guest lecture to address “STAAD PRO and ETABS Applications in building Design” in Knowledge Institute Of Technology, Salem.
- Guided Civil Engineering projects (U.G & P.G) for varies colleges.

CAREER MILESTONES:

- Selected as a Top performer in B&T- Construction for 3 consecutive years.
- Cleared LRQA exam and certified as Internal Auditor
- Approval for 10 innovations and improvements for design standardization in B&T by the team head.

TECHNICAL DETAILS:

- Languages: C
- OS: Windows XP, Vista, 10
- Packages: ETABS, SAP 2000, SAFE, STADD pro V8i, ADAPT, AutoCAD, Ansys8.1(Basics), SCADDS, Non-Lin
- Spread Sheet: MS Office Excel

ACADEMICS:

- 2008: M.Tech – Structural Designing - National Institute of Technology (NIT) – Tiruchirappalli - 8.94 (CGPA)
- 2006: B.E - Civil Engineering - Karunya Institute of Technology & Sciences, Coimbatore - 8.22 (CGPA)



CURRENT PROJECT:

Project: Gujarat Cricket Academy (World's biggest cricket stadium)
Structural system- Precast & Cast-in-situ

Project Size: Stadium of 1,00,000 capacity (Special structure)

Date: Since Dec 2016

Role: Team Lead for Two blocks & Ramp

Team Size: 5

Project Value: INR 650 Crs

PAST PROJECT:

Project: Bharatiya Janata Party (BJP)- HQ New Delhi
Structural system- Conventional Flatslab & Beam

Project Size: 2 Basements + Ground Floor + 3 Floors of office (+ 2 Additional Floors for future Expansion) + 5 Floors of Tower (+3 Additional Floors for future Expansion)

Date: Apr 2016 to Aug 2017

Role: Team Lead

Team Size: 4

Project Value: INR 85 Crs

Project: iOffice Building: iGate, Airoli

Project Size: Block – 1: Addition of One floor at terrace level including above terrace rooms over the already constructed building along with extension of stilt floor.
Block – 2 : 2 Stilts + 1 Floor (Cafeteria) + 3 Floors (Office)
Block – 3 : 2 Stilts + 5 Floors (Office)
Customer Experience Center : Ground Floor + 1 Floors
Employee Relaxation Center : Ground Floor + 4 Floors
Service Utility Buildings comprising MIDC sump, STP, HSD Yard, Gas Bank, OWC & RMU room

Date: Mar 2014 to Jan 2016

Role: Team Lead for two blocks

Team Size: 3

Project Value: INR 450 Crs

Project: Godrej IT facility in Hyderabad (Multi level car parking)
PT Flat slab & Conventional Beam-slab system

Date: 2013 to 2014

Role: Senior Design Engineer with Proof checking and drawing in-charge

Project: Godrej housing in Kolkata (Residential Apartment)
Conventional Beam-slab system

Date: 2013 to 2014

Role: Senior Design Engineer with Proof checking and drawing in-charge

Project: Office Building: TCS- IT SEZ Rajarhat (IT Building)
PT Flat slab system

Date: 2012 – 2013

Role: Design Engineer

Project: Office Building: iGate, Pune
PT Flat slab system

Date: 2011 - 2011

Role: Design Engineer

Project: Business & Exhibition Center - "The Mahatma Mandir" - Phase 1A at Gandhinagar, Gujarat system
Structural system- Conventional Beam - slab system

Date: 2010 - 2011

Role: Design Engineer

Project: Proposed Mixed Use Commercial Development - Noida City Center - Phase 1 for Country Colonisers Pvt Ltd. (Hotel, Office building & Mall)
PT Flat slab system, Conventional Beam - slab system

Date: 2010 - 2011

Role: Design Engineer

Project: Office Building: West Block-3 Knowledge City at Vadodara- Phase-II (Office Building)
PT Flat slab system

Date: 2010 - 2011

Role: Design Engineer

