

FOUNDER PROFILE

Er. Shekhar Srivastava

Founder – Shekhar Design & Construction
Structural Design & Optimization Specialist

◆ Professional Summary

Civil Engineer with 5 years of hands-on experience in high-rise residential construction and structural execution. Specialized in reinforced cement concrete (RCC) design, detailing, and cost optimization as per IS 456:2007.

Founder of Shekhar Design & Construction, focused on customized structural optimization to reduce steel and concrete consumption by 15–25% without compromising safety, durability, or architectural intent.

Passionate about bringing infrastructure-level structural customization to residential and commercial building projects.

◆ Educational Qualification

- **B.Tech in Civil Engineering**
(Sharda University, Knowledge park 3, Greater Noida, Uttar Pradesh, India)

◆ Professional Experience

5 Years – Site Engineer (High-Rise Residential Projects)

Core Responsibilities:

- Structural execution supervision
- RCC beam, slab, column detailing
- Bar Bending Schedule preparation
- Quantity estimation & cost control
- Coordination with architects & consultants
- Site quality control & IS code compliance

◆ **Technical Expertise**

- RCC Design as per IS 456:2007
- Steel Optimization & Load Redistribution
- Structural Detailing & Drafting
- Cost Reduction Engineering
- Quantity Surveying & BOQ Analysis
- Bar Bending Schedule (BBS) Preparation
- Structural Software & Engineering Tools

◆ **Innovation Focus**

Developing a structural optimization framework that:

- Reduces steel consumption by 15–25%
- Reduces concrete consumption by ~10%
- Maintains full IS Code compliance
- Improves load efficiency
- Reduces overall project cost significantly
- Lowers carbon footprint

Proof of Concept prepared using real RCC beam case study with comparative analysis.

◆ **Vision**

To revolutionize the Indian building construction ecosystem by introducing data-driven structural customization, making construction safer, more affordable, and materially efficient for residential and commercial projects.

◆ **Mission**

To develop scalable structural optimization tools and engineering frameworks that empower architects, builders, and individual homeowners to construct smarter and cost-efficient buildings.

◆ **Contact Details**

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