

Manoj Kumar Mittal

Consulting Civil & Structural Engineer · Founder, Shelter Consulting Engineers

✉ manoj_shelter@yahoo.com 🌐 manojmittal.in 🌐 manojkmittal ✉ @manoj_mittal 📍 Samvaad

Profile

- 🏠 Consulting civil and structural engineer with four decades of practice spanning design, rehabilitation and project management. Founder of Shelter Consulting Engineers, through which he has engineered more than 950 structures in reinforced concrete and steel, from housing and institutional buildings to commercial and industrial facilities. Two term President of the Indian Association of Structural Engineers, Chairman of a BIS sectional committee, former Independent Director of POWERGRID, and a committed educator, mentor and voice for professional ethics in the built environment.

Professional Experience

- SINCE 1993 🏠 **Founder & Principal Consultant**, *Shelter Consulting Engineers*, Noida.
A consulting practice providing services across civil and structural engineering. Has handled more than 950 structures of varying complexity and magnitude, chiefly housing, institutional, commercial and industrial projects, in both reinforced concrete and structural steel.
- 1985 to 1993 🏠 **Structural & Civil Design Engineer** with reputed consulting organisations, including *M/s M N Dastur & Co. Pvt. Ltd.*, Bombay and *DESEIN (New Delhi) Pvt. Ltd.*, New Delhi, working in the domain of structural and civil engineering.

Education

- 2005 🏠 **MS, Consultancy Management**, Birla Institute of Technology & Science, Pilani
- 1985 🏠 **M.Sc. (Hons.) Economics**, Birla Institute of Technology & Science, Pilani
- 🏠 **B.E. (Hons.) Civil Engineering**, Birla Institute of Technology & Science, Pilani

Continuing Professional Development

- 2004 🏠 **Repair, Rehabilitation & Retrofitting of Structures**, Indian Association of Structural Engineers (IAStructE), New Delhi (13 August to 15 October 2004)
- 🏠 **Seismic Assessment & Retrofitting of Buildings and Seismic Design of Shear Wall Buildings**, Delhi Disaster Management Authority, NCT of Delhi
- 2001 🏠 **Short Course on Seismic Design of Structures**, IIT Kanpur

Fields of Expertise

- | | |
|----------------|---|
| DESIGN | 🏠 Civil and structural engineering design of buildings and structures, in reinforced concrete and steel |
| REHABILITATION | 🏠 Structural repair, rehabilitation and retrofitting; diagnosis and treatment of structures in distress |
| MANAGEMENT | 🏠 Construction project management consultancy (PMC) |
| SUSTAINABILITY | 🏠 Green and sustainable design of the built environment |
| ADVISORY | 🏠 Trouble shooting in civil engineering design and construction projects |

Honours & Awards

- 2026 🏠 **Lifetime Outstanding Concrete Technologist Award**, conferred by the Indian Concrete Institute (ICI) and UltraTech

Board & Advisory Appointments

CURRENT	 Independent Director , M/s Colorjet India Ltd., Noida
SINCE 2024	 Member, Board of Governors , Engineering Council of India
CURRENT	 Member, Board of Studies , Department of Civil Engineering, Mahindra University, Hyderabad
	 Member, Advisory Board , Department of Building Engineering & Management, School of Planning & Architecture, New Delhi
	 Member, Building Monitoring Committee , Central University of Odisha, Koraput
2017 to 2020	 Independent Director , POWERGRID Corporation of India Ltd. (a Central Government public sector enterprise)

Teaching & Academic Engagement

SINCE 2013	 Visiting Professor , School of Planning & Architecture (SPA), New Delhi, Department of Architecture & Building Engineering Management. <i>Teaches Project Planning & Scheduling, Construction Technology, Structural Systems & Design Process and Project Cost & Contract Management to master's students since 2014; taught Theory of Structures to undergraduate students from 2013 to 2016.</i>
CURRENT	 Adjunct Faculty , Bhartiya Skill Development University, Jaipur
ONGOING	 Invited Speaker , delivering technical lectures and webinars on professional ethics, structural audit and retrofitting, structural systems, structural fire safety and sustainability

Leadership in Professional Bodies

2017 to 2019	 President (two terms), Indian Association of Structural Engineers (IAStructE); presently
2021 to 2023	Governing Council Member and Chairman of the Membership Committee, the Building Committee and the Professional Issues Committee
SINCE 2004	 Governing Council Member , Indian Association of Structural Engineers (IAStructE)
2015 to 2019	 Vice President & Governing Council Member , Association of Consulting Civil Engineers (India), ACCE (I)
2012 to 2018	 Executive Committee Member , Indian Concrete Institute, Western UP Centre
2012 to 2014	 Governing Council Member , Consulting Engineers Association of India (CEAI)
2010 to 2012	 Honorary Secretary , Indian Association of Structural Engineers (IAStructE)
2004 to 2006	 Honorary Secretary , Institution of Engineers (India), Ghaziabad Centre

Codes & Standards

CHAIRMAN	 BIS Sectional Committee SSD 06 , Pre Constructional Services, Bureau of Indian Standards
MEMBER	 BIS Committees CED 02, CED 29, CED 36, CED 38, CED 39, CED 54, CED 46 (Panels P4, P11 & P19), SSD 06, SSD 21 & SSD 22

Memberships & Professional Affiliations

FELLOW	 Indian Association of Structural Engineers (IAStructE), Life Fellow F-124 · Institution of Valuers, Fellow F-10327
LIFE MEMBER	 Institution of Engineers (India) M-121372-5 · Association of Consulting Civil Engineers (India) L-1364 · Consulting Engineers Association of India M-279 · India Chapter of the American Concrete Institute (ACI) LM-48 · Indian Concrete Institute · Consultancy Development Centre · Noida Management Association (NMA)

Memberships & Professional Affiliations (continued)

MEMBER  Indian Building Congress, Individual Member M-2134

Outreach & Community

PODCAST  Host of **Samvaad**, conversations on engineering, ethics and life: podcasters.spotify.com/pod/show/manoj-mittal5

BLOG  Author of **Beyond Times: Random Thoughts**: manojmittal.in

25+ YEARS  Member, **Bharat Vikas Parishad**; has served as Secretary and as President of its Noida branch

CO FOUNDER  **Noida Sector 94 Gaushala**; Past President for two terms