

Date	Time	Platform
30 th April 2025	7 pm to 9 pm	Online Zoom
Wednesday	9 pm to 10 pm Q&A Session	9 pm to 10 pm Q&A Session



Designing for How Structures Perform - Not Just What Codes Require

REGISTER NOW





If you're still designing based on basic code limits—you're already behind.

Performance-Based Design (PBD) is the future of modern structural engineering.







Traditional design stops at minimum requirements. PBD pushes the boundaries—accounting for real-world demands, structural behavior under stress, and future-ready safety.









BASIC: SMARTER, SAFER DESIGN WHAT IS PBD?

Performance-Based Design is a next-generation approach in structural engineering that ensures buildings are tailored to perform safely during real-world events—like earthquakes, winds, or fire.

Unlike code-based design, which sets a minimum standard, PBD focuses on how your building should behave during these events—whether it must remain operational, or simply prevent collapse.

Outcome: Safer, cost-efficient, \checkmark and purpose-built structures

Advanced: Engineering That Predicts & Performs

How it works:

We define performance objectives—like life safety, immediate occupancy, or limited downtime then run advanced simulations to see how the structure behaves under different hazards. This includes:

 Nonlinear static & dynamic analysis

Time-history simulations



PBD is the gold standard for:

- · High-rises & long-span structures
- · Critical infrastructure (hospitals, airports, data centers)
- · Seismic retrofits & challenging site conditions

Outcome: Optimized performance, design flexibility, and lower risk exposure





Material & damage modelling

Research-Based: Innovation at the Core

Where it's headed:

The future of PBD lies in multi-hazard integration, AI-enhanced simulations, and life-cycle performance evaluation. Research focuses on:

- · Resilience-Based Design Optimization (RBDO)
- · Probabilistic seismic & fire risk modelling
- · Performance-based carbon footprint & cost analysis
- · Smart monitoring integration for real-time response

We're actively integrating cutting-edge insights to stay ahead of evolving building challenges

- ensuring structures not only meet expectations today but adapt to the needs of tomorrow.

Outcome: Resilient, future-ready infrastructure with measurable value









Previous Workshop Glimpse





















Participants (228)		
Q, Fin	d a participant	
	K.Shashavali	
KB	Kalyani B -Structural engineer- Bangalore	
KY I	Krishna yarshi Krish	
KL	Krishnakant Latoriya	
KE	Krishna-Structural Engineer-Edinburgh(UK)	
K	Krutibhatt	
LK I	LAKSHMI KANTA HOWLADAR_SAE(CIVIL)_WEST BENGAL	
M 1	Mahalakshmi	
мс	Mahesh CivilEngineering Sikar	
MZ	Malik Zulgimain Amjed	
M	Mallareddy	
	Manoj	
M	manvi	
M	Mirza	
MA	MO ASHRAF SHEKH	
	Mohamed Jawahiru	
MU	Mohamed Usman	
M 1	Mohammed	
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Let's collaborate to bring performance-driven Engineering into your next landmark project.

Contact Us

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Fees: FREE Training | ₹199 for Certificate (Optional)



