

B. Tech Civil Engineering Computational Techniques in Structural Design)
in collaboration with
L&T EduTech

Program Details:

B. Tech Civil Engineering with specialization in Computational Techniques in Structural Design is offered in collaboration with L&T EduTech. This program is thoughtfully designed to cater specifically to civil engineering students, equipping them with advanced proficiency in employing computational methods for structural design and analysis. The comprehensive curriculum covers an extensive range of computational techniques, such as finite element analysis (FEA), computational fluid dynamics (CFD), and structural optimization. This ensures students gain a deep understanding of these vital tools. Upon completion, graduates will be exceptionally well-prepared to tackle complex structural design challenges, adeptly optimizing designs for efficiency, and guaranteeing the safety and longevity of structures in diverse industries. Their expertise in computational techniques will be an asset in shaping the future of structural engineering.

Courses Taught by L&T EduTech Experts*

Technical Skills
Building Information Modelling in Construction
Sustainability Practices in Design of Buildings
Practical Design of Structural Steel Members
Concrete Building Systems Design
Structural Steel Buildings Design and Practices
Bridge Engineering Design Practices
Functional Skills
IT Primer
Project Management for Professionals
Behavioural Skills
Critical Thinking, Design Thinking, Leadership & Teamwork
Career readiness in the Digital era

Benefits

- **Industry Immersion** - Students undergoing this program will be provided with opportunities for exciting industry visits.
- **Placement Facilitation** - Career support and placement facilitation will be provided for students who successfully complete the program.
- **Value Additions** - The students will be enabled with various other initiatives including Engineers' Ensemble, free Micro-learning, webinars and other impactful events.

Job Roles

- Design Engineer
- Planning Engineer
- BIM Engineer
- Design Consultant