



Construction Technology & Management

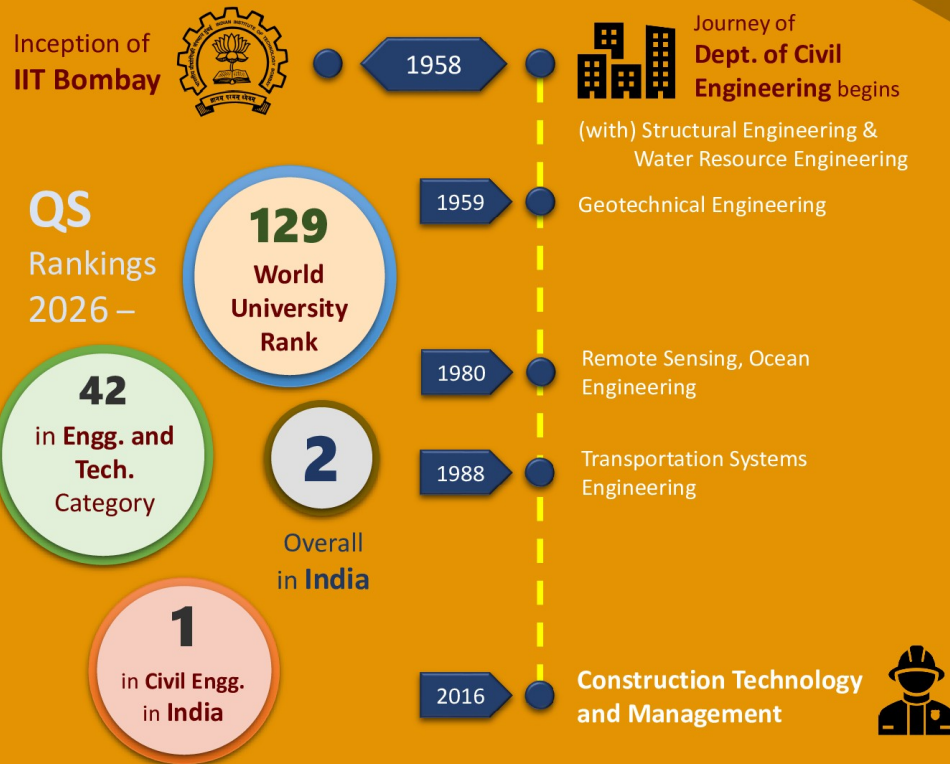
Department of Civil Engineering, IIT
Bombay

ज्ञानम् परमम् ध्येयम्

A bit on Origin...

Established in 1958, IIT Bombay is recognised worldwide as a leader in the field of engineering education and research. Reputed for the outstanding calibre of students graduating from its undergraduate and postgraduate programmes, the institute was one of the first institutes to be given the tag of **Institute of Eminence**.

Department of Civil Engineering has been a part of IIT Bombay from its inception. The department had an establishing journey so far and has positioned itself among the apex Civil Engineering Institutes worldwide.



CTaM@IITs...

Aiming at bridging the gap between current needs of construction industry and academia through application-oriented world class research, IIT Bombay started M.Tech programme in Construction Technology and Management which was earlier offered in only two IITs.

VISION

The vision of the programme is to create a sustainable infrastructure system for the society through high quality teaching, research, outreach, manpower training and academic leadership in the area of Construction Materials and Management.

MISSION

The specialisation strives to equip students with in-depth knowledge of emerging technologies in construction and helps transforming them into management professionals as per industry requirements.

Major Thrust areas are Construction Materials & Technology, Construction Management and Urban & Building Sciences //

Why Choose us?

This post-graduate programme builds quality manpower, who can effectively manage large construction projects throughout their lifecycle including planning, construction and maintenance; with in-depth understanding on the materials used in construction.

The students are exposed to latest advancements in construction materials, quality management paradigms, policies and sustainability aspects in construction.



4

State of the Art Labs



221

Research Publications Since Inception



61

Post-Graduate Students

20

PhD

M.Tech

41

What we are trained in...



Management Courses

- Construction Planning & Control
- Construction Economics & Finance
- Construction Contracts
- Quality & Safety in Construction
- Construction Equipment & Personnel Management
- Construction Mgt. Studio
- Sustainable Buildings



Material Courses

- Advanced Concrete Technology
- Construction Materials
- Condition Assessment & Rehabilitation of Structures
- Conservation of Heritage Structures



Additional Courses

- Vernacular Construction Systems
- Construction Materials Laboratory
- Sustainability Assessment of Urban Systems
- Infrastructure Development & Finance
- Urban Planning in India: Theory, Challenges and Approaches
- Urban Environmental Infrastructure
- Optimization in Civil Engineering
- Computation in Civil Engineering
- Applied Statistics



BIM

UHPC

NLP

DURABILITY

OPTIMIZATION

3D Concrete Printing

LEAN

AR

ALKALI ACTIVATION

SUSTAINABILITY



...& Accolades



As a part of Team Shunya, our students were runners-up in 2023 build challenge and winners in 2024 design challenge



Software Skills



Certifications



Lean 6σ
Green Belt



Primavera P6
Fundamentals

Member of ILCE - Institute of Lean Construction



Mumbai Workshop of Problem Based Learning South Asia was held at IIT Bombay and facilitated by our specialization

Past Recruiters -

Get in Touch –



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