

CHARUSAT

Charotar University of Science and Technology is established under the Gujarat Act No. 8 of 2009, Government of Gujarat. University Grants Commission has empowered CHARUSAT to award Degrees under Section 22 of UGC Act 1956. University recently accredited with "A" by NAAC, Bangalore. The University is identified with cutting edge research, robust academic programmes, quality teaching learning process and over-all personality development interventions of its students. CHARUSAT campus provides refreshing environment and stimulates intellectual growth and creativity.

M. S. Patel Department of Civil Engineering

Civil Engineering is a broad field of engineering that deals with the planning, construction, and maintenance of built environment and other infrastructure facilities and are closely related to earth, water and environment. The Department of Civil Engineering at CSPIT, CHARUSAT was established in the year 2008 to impart quality education & conduct research in Civil Engineering to cater the rising needs and demands of the society. The Department offers B.Tech in Civil Engineering (90 Seats), M.Tech – Structural Engineering (18 Seats) and PhD programmes in various discipline of Civil Engineering. The Department is also equipped with licensed software's like STAAD Pro S6, Midas Civil, Bentley Road max, STRUDS 12.0, ESRGSR V4, GEO5 & Bentley Combined.

Why this course?

Construction Technology is one of the sections of Civil Engineering which deals with the construction of buildings and physical structures. The certificate course in construction technology prepares the student for construction industry functions like site supervision, estimation and scheduling. It will also help the students for future roles in managing the people, equipment, materials on site. The students who have completed this course can work as a Building Construction Site Supervisor, Surveyor, Assistant Site Engineer, Technical Assistant, Assistant to Junior Engineer, Estimator, Billing Assistant.

Objectives of the Course

The objectives of the course are

- To impart knowledge about various principles of civil construction, materials, equipment, and methodologies of construction of different components of a building.
- To make student be able to undertake survey of site, estimate quantities, prepare bills and do basic concrete design.
- To impart employability skills in the students for the construction industry.

Certificate Course in “Construction Technology”



Course Duration:

1 Year (2 Semesters)
1st June 2022 – 31st May 2023

Course Coordinator:

Ms. Megha Desai
Ms. Gargi Ray

Organized by:

M. S. Patel Department of Civil Engineering, CSPIT,
CHARUSAT

Address for Correspondence:

M. S. Patel Department of Civil Engineering, CSPIT,
CHARUSAT Campus, Off Nadiad- Petlad Highway 139,
Changa, Gujarat 388421

Learning Outcomes

By the end of the course, participants will be able to

- Understand the basics of civil engineering works like principles, components, materials, equipment and much more.
- Have thorough knowledge on important aspects of civil work, from basic design to surveying, estimation and construction.
- Effectively plan, execute, and control projects in the construction sector.

Outline of Contents

- Basics of Civil Engineering
- Building Construction - I
- Surveying
- Construction Materials
- Construction Technology
- Building Construction – II
- Building Planning
- Concrete Technology
- Estimating and Costing
- Construction Contracts

Course Registration Fees

Course Fees (Including GST) INR 23600

Total Intake: 30

Teaching-Learning Methodology

- Hand on practice will be provided to the students so as to make them ready for live projects in real-time environment.

For Whom?

- Students who have cleared 12th Science i.e. 10 + 2.
- Professionals working in Civil Engineering Industry.

Eligibility

- Completed 12th standard from a recognized board or equivalent qualification.

Exam Pattern

- Chapter-wise Quiz (containing MCQ questions) is to be conducted as an internal evaluation which carries weightage of 30 marks.
- Final Exam to be conducted which will be practical based examination carrying weightage of 70 marks.

Job Opportunities

Post the course completion students can pursue career as

- Site Supervisor
- Surveyor
- Assistant Site Engineer
- Technical Assistant / Assistant to Junior Engineer, Estimator
- Billing Assistant
- Mix Designer
- Technical Report Writer

How to Apply?

To fill online application form along with details of registration fees visit

www.cspitcivil.com/latest

For Further Details

Contact:

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