

(039-CMC-04-02) -CIVIL ENGINEERING (INDUSTRY- INTEGRATED)

Significance of the program:

Civil Engineering (Industry-Integrated) program is an undergraduate program that combines theoretical knowledge with practical training to provide students with the skills they need to be industry ready.

Career Options:

Graduates of the B.Tech Civil Engineering (Industry- Integrated) can find job opportunities as:

- Site Engineers,
- Planning and Design Engineers,
- Quantity Surveyors,
- Quality Control Engineers,
- Project Managers

Program Objectives:

- To provide students with opportunities to gain industry-specific skills, knowledge, and experience through internships, site visits, and industry projects to start a successful career in the field of Civil Engineering.
- To impart teaching by utilising the experience and expertise of industry personnel and labs in industries.

Outcomes of the Program:

- Graduates should be able to understand the practical relevance of the courses and familiarise to industry challenges.
- Graduates should be able to apply engineering principles to identify, analyze and solve problems pertaining to Civil Engineering
- Graduates should be proficient in analysis and design, project planning and management for construction projects.

Major Course Outlines:

- Construction Engineering and Management
- Materials Engineering
- Hydraulics and Hydrological Engineering
- Transportation Engineering
- Structural Engineering
- Geotechnical Engineering
- Environmental Engineering
- Remote sensing and GIS

Related Industry:

- Cement, Concrete and brick manufacturing
- Quality assurance and quality control
- Project planning and management

- Construction & Precast technology
- Road construction and traffic management
- Transportation planning
- Soil investigation
- Water distribution
- Solid waste management