



# Veermata Jijabai Technological Institute

MATUNGA, MUMBAI

## Civil and Environmental Engineering Department

Program : Diploma in Civil Engineering (DCE)

### Programme Educational Objectives (PEO)

PEO1	To prepare students for entry level professional practices in civil engineering by developing and enhancing Self learning Abilities, Team spirit and Leadership skills.
PEO2	To prepare students to supervise site activities for quality construction and to monitor the progress of work
PEO3	To provide knowledge of various construction technologies in the field of Civil Engineering with due regard to environment and sustainability.

### Program Specific Outcomes (PSO)

Student will be

PSO1	Able to implement basic principles of analysis for design of civil engineering facilities.
PSO2	Able to prepare detailed drawings for elements of civil engineering facilities using modern software tools.
PSO3	Able to plan, monitor and supervise construction activities to complete civil engineering facilities satisfactorily.
PSO4	Able to practice as construction professional following ethical practices while focusing on sustainability and economy.



# **Veermata Jijabai Technological Institute**

## **Diploma in Civil Engineering**

### **PROGRAM OUTCOMES (POs)**

- 1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2. Problem analysis:** Identify and analyze well-defined engineering problems using codified standard methods.
- 3. Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- 4. Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- 7. Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes.