

MEWAR UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

Programme Outcomes of Civil Engineering

Before discussing the programme outcomes, here is a short introduction of Civil Engineering department. The department of Civil Engineering at Mewar University came into existence in the year 2009. The department started its journey by offering undergraduate course i.e. Bachelor of Technology in Civil Engineering. As the department grew up, it introduced post graduate courses to create and supply skilled and employable youth to the society. Over the years the department has nurtured young minds to produce bright Civil Engineers. The department has gained expertise in almost the entire spectrum of Civil Engineering.

The programme outcomes are the skills and knowledge that a graduate will have during their graduation and also able to apply after graduation. The various program outcomes are as follows:

- A.** The graduates are able to apply the basic knowledge of mathematics, science and engineering to real-life problems.
- B.** They are able to understand problem identification, formulations, and to conduct experiments, by analysis and interpreting the data.
- C.** They are trained to practice civil engineering using up-to-date techniques, skills, and tools as a result of life-long learning ability to design and conduct experiments, as well as to analyze and interpret data.
- D.** The students are well experienced to improve the function effectively in engineering and science field, as well as in members of multidisciplinary teams.
- E.** The graduates will be able to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- F.** The graduates are able to improve the function effectively in engineering and science field, as well as in members of multidisciplinary teams.
- G.** The graduates are able to make effective communication in oral, written, graphical forms with confidence.
- H.** Also we expect graduates to achieve the following within four years of graduating:

i. Should demonstrate peer-recognized expertise together with the ability to articulate that expertise and use it for contemporary problem solving in the analysis, design, and evaluation of civil engineering projects.

ii. Should demonstrate engagement in the engineering profession, locally and globally, by contributing to the ethical, competent, and creative practice of engineering or other professional careers.

iii. Should demonstrate sustained learning and adapting to a constantly changing field through graduate work, professional development, and self-study.

iv. Should demonstrate leadership and initiative to ethically advance professional and organizational goals facilitate the achievements of others, and obtain substantive results.

v. Should demonstrate a commitment to teamwork while working with others in diverse cultural and interdisciplinary backgrounds.

Programme Specific Outcomes of Civil Engineering

1. Competence in Civil Engineering: Educated students with fundamental mathematical, scientific, and engineering knowledge to have a significant and positive long-term impact on the field of civil engineering.

2. Usage of Cutting Edge Technology: Inspired students and prepared them for successful professional careers using appropriate techniques, resources and modern attitudes and modeling to complex engineering activities and research.

3. Ability to Coordinate and communicate in groups: Emphasized the importance of working in a team effectively and to communicate properly within the team to achieve the desired outcome.

4. Continuous improvement: Motivated the students in learning to learn and the ability to keep learning for a lifetime to increase their professionalism, update and deepen their knowledge through the development of the profession.

Resources of the Civil Engineering Department

To ensure that the students get the best possible guidance throughout their four years of engineering education, the department has qualified and dedicated faculty members and technical staff

Students have access to well-equipped laboratories in keeping with the curriculum requirement specified by the university.