

## Program Educational Objectives (PEO)

In their early careers, graduates of the Civil Engineering program will be expected to:

1. Apply their knowledge and skills as effective and productive civil engineers to enable sustainable growth of the community;
2. Work and communicate effectively in order to develop practical, technically-sound and cost-effective solutions to civil engineering problems;
3. Enhance self-confidence, ability to make proper decisions, and adherence to professional ethics; and
4. Pursue lifelong learning to keep themselves conversant with latest development in their fields of practice or study.

## Program Outcomes (Student Outcomes)

<b>PO 1</b>	Apply knowledge of mathematics, science, and engineering
<b>PO 2</b>	Design and conduct experiments, as well as to analyze and interpret data
<b>PO 3</b>	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
<b>PO 4</b>	Function on multidisciplinary teams
<b>PO 5</b>	Identify, formulate, and solve engineering problems
<b>PO 6</b>	Show professional and ethical responsibility
<b>PO 7</b>	Demonstrate effective communication skills
<b>PO 8</b>	Describe the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
<b>PO 9</b>	Demonstrate the need for, and an ability to engage in lifelong learning
<b>PO 10</b>	Outline knowledge of contemporary issues
<b>PO 11</b>	Use techniques, skills, and modern engineering tools necessary for engineering practice

## Career Opportunities

Graduates of this program can pursue career opportunities as professional occupations including:

1. Project engineer
2. Civil Engineer
3. Metal structures engineer
4. Road engineer
5. Bridges engineer
6. Engineer, airports
7. Engineer, seaports
8. Engineer, railways
9. Engineer, dams
10. Engineer, irrigation
11. Engineer, traffic
12. Engineer, soil
13. Engineer, general survey