

**Faculty of Engineering
Civil Engineering Program**

Program Learning Outcomes

Diploma in Civil Engineering

| PLO No | PLO Statement | Characteristics |
|--------|--|---|
| PLO1 | Apply significant knowledge of engineering, science, and mathematics for solving Civil Engineering problems | Knowledge |
| PLO2 | Prepare solutions for well-defined tasks related to Civil Engineering. | Skills |
| PLO3 | Communicate appropriately on engineering activities, with diverse audiences. | Communication Skills |
| PLO4 | Utilize a broad range of numerical skills for solving Civil Engineering problems. | Numeracy Skills |
| PLO5 | Use a range of information and communication technology tools and techniques in the discipline of Civil Engineering. | Information Communication Technology Skills |
| PLO6 | Practice significant levels of ethical principles and values in the fields of Civil Engineering. | Ethical Awareness |
| PLO7 | Develop leadership and teamwork skills with full accountability for achieving goals and objectives. | Leadership and Teamwork |
| PLO8 | Employ substantial entrepreneurial and employability skills in a work environment. | Entrepreneurial skills |
| PLO9 | Identify the need for lifelong learning in the context of technological change related to Civil Engineering. | Lifelong Learning Skills |

Bachelor in Civil Engineering

| PLO No | PLO Statement | Characteristics |
|--------|---|---|
| PLO1 | Apply advanced knowledge of engineering, science, and mathematics for solving Civil Engineering problems. | Knowledge |
| PLO2 | Design Civil Engineering systems for addressing complex engineering problems in accordance with social, environmental, and economic factors, and safety requirements. | Skills |
| PLO3 | Communicate effectively on complex engineering activities, with adaptation for appropriate audiences. | Communication Skills |
| PLO4 | Apply appropriate numerical and analytical techniques for modelling and solving Civil Engineering problems. | Numeracy Skills |
| PLO5 | Use relevant information and communication technologies, including engineering software and simulation tools, in Civil Engineering practice. | Information Communication Technology Skills |
| PLO6 | Practice ethical principles and professional responsibility in the Civil Engineering field. | Ethical Awareness |
| PLO7 | Develop advanced leadership and teamwork skills with full accountability for achieving goals and objectives. | Leadership and Teamwork |
| PLO8 | Apply highly specialized entrepreneurial and employability skills suitable for professional work environments. | Entrepreneurial skills |
| PLO9 | Implement lifelong learning independently for integration of new knowledge using appropriate learning strategies. | Lifelong Learning Skills |