

INSTITUTIONAL VISION AND MISSION

Institutional Vision

- To be a Leader in producing professionally competent engineers.

Institutional Mission

- Imparting effective outcome-based education,
- Preparing students through skill oriented courses to excel in their profession with ethical values
- Promoting research to benefit the society
- Strengthening relationship with all the stakeholders

Department Vision and Mission

Vision	To prepare Civil Engineers who are professionally competent and socially responsible.
Mission	Imparting academic excellence through outcome based education.
	Preparing students through skill-oriented courses to excel in their profession with ethical values.
	Grooming students for higher studies and research culture.
	Strengthening relationship with stakeholders for continuous development.

Program Education Objectives

PEO1	PEO-1 -Knowledge of science and mathematics to solve Civil Engineering problems (Domain Knowledge)
PEO2	PEO-2 -Ability to practice as consulting engineer in Civil Engineering domains such as infrastructure, water resources and environment (Core Competency)
PEO3	PEO-3 - An ability to engage in lifelong learning for effective adaptation to technological developments (Lifelong Learning)
PEO4	PEO-4 - Leadership skills at workplace and function ethically in competitive world (Professionalism)

Program Outcomes

- PO-1 Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO-2 Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.



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Department of Civil Engineering

- PO-3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO-4 Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
- PO-5 Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO-6 The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO-7 Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO-8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO-9 Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO-10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions
- PO-11 Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO-12 Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs):

PSO1	An understanding of issues for professional practice such as the procurement of work and interaction with stakeholders during the construction phase of the work.
PSO2	Identify, analyze, design and execute Civil Engineering problems professionally for industry and society.




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