

PEOs:

PEO1: Provide Engineering design solutions for the real world problems in Structures, Environmental, Geotechnical, Constructional planning and techniques, Water resources, Remote Sensing and Transportation Engineering domains of Civil Engineering.

PEO2: They will succeed and excel in their chosen professional practice/research and enroll/pursue higher education in the reputed Institutions of India and Abroad from the field of Civil Engineering.

PEO3: Make ethical decisions and demonstrate a commitment to the profession bodies and society.

PEO4: Acquire a position that values adaptability and innovation in their profession.

PEO5: Demonstrate leadership, both in their chosen profession and in other social responsibilities.

PSOs:

PSO1: To enhance the employability skills by making the students good in codes of practice, materials, techniques and Softwares.

PSO 2: To develop and design sustainable and smart infrastructure considering the global environmental challenges.

PSO 3: The graduates will be able to work effectively as an individual or in a team having acquired leadership skills and manage projects in multidisciplinary environments.

POs

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.

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, along with 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 based on 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 , and to manage projects 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.