

Programme Outcomes (POs)

Based on educational objectives, students will achieve the following programme outcomes

- Scholars will be able to demonstrate adequate knowledge on wider perspective in the areas of Structural Systems to become successful professional engineers.
- Scholars will be able to understand, develop and practice to formulate a Structural engineering system and subsequently give solutions to typical industrial problems.
- Scholars will be able to conceptualise Structural systems or component and evaluate them to use best and feasible solution considering safety, environment and other Constraints.
- Scholars will be able develop skills to become a good researcher to work on any Scholars will be able to undertake research in the Structural engineering laboratory Independently and also can manage multidisciplinary tasks with a team of experts in their particular area of expertise.
- Structural engineering problem, based on a comprehensive literatures review, using latest techniques and tools to conduct experiments with due capability to interpret experimental results.
- Scholars will be able to use software, other modern tools and engineering equipment to analyze and solve complex Structural engineering problems.
- Scholars will be able to display skills of presenting their work before the research community, and give and take clear directions.
- Scholars will be able develop Environmental friendly technology for a sustainable development of the Structural systems.
- Scholars will be able to show the qualities of professional integrity and ethics and express the responsibility towards a sustainable development of the society.
- Scholars will be able to follow engineering standards and communicate and report effectively.
- Scholars will be able to demonstrate qualities of a good manager in handling Structural engineering projects, related finances, and organize workforce towards achieving the set goals and objectives.
- Scholars will be able to demonstrate the traits of good academician and take on independent and contemplative enduring learning.

Programme Educational Objectives (PEOs)

- To provide proficiency in the basic principles and advanced courses of technology in Structural Engineering and to create an urge for lifelong learning so that students are able to formulate, analyze and solve the structural engineering related problems while incorporating the latest technological changes in their approach.
- To improve the analytical skills of the graduates and develop a profound understanding of the existing literature so that the students are better able to design structural components and systems based on various codal provisions.
- To expose the students to the latest innovations and trends with a view to inculcate orientation towards research and develop appreciation and understanding of the technological changes being incorporated.
- To produce Structural Engineers who have integrated ethical attitude, team work, effective communication, leadership and lifelong learning as their core value of their professional life.