Program Outcomes (POs)

PO. 1. Analytical skills and knowledge: - To utilize mathematical skills, science, engineering basics, and an engineering skill set for solution of difficult engineering problems, issues or concerns. Identify, formulate, study research material, and investigate challenging engineering problems using first concepts of mathematics, natural sciences, and engineering sciences to achieve justified solutions.

PO. 2. **Identification of engineering problems, issues or concerns: -** To give justified results, use literature review practice and research methodologies such as design of experiment, statistical analysis and interpretation of data.

PO. 3. Planning and design of Solution architecture: - Provide solutions, formulae or processes to solve the complicated technical challenges without affecting the public health and safety, as well as cultural, socioeconomic, and environmental factors.

PO. 4. Use of emerging tools and technologies: - Develop, choose, and apply relevant methodologies, facilities, and current engineering technologies to technically challenging engineering processes with appropriate forecasting and modeling.

PO. 5. Minimizing gap between engineering and society: - Identify socioeconomic, healthcare, safety, legal, and cultural issues. Relate the duties associated with professional engineering activity, using logic developed by previous information. Understand the societal and environmental significance of professional engineering solutions. And demonstrate understanding and need for sustainable development.

PO. 6. Personal and team efforts with ethics: - Apply ethical concepts and adhere to engineering profession's ethical standards, duties, and conventions. Deliver the best either individually or as a responsible member in different teams and multiple situations.

PO. 7. Communication and management: - Communicate and manage the engineering sector and society effectively on complicated engineering operations, with creation of good reports and documentation. Apply management principals demonstrating the knowledge of engineering and its application method to one's own work, as a team member and leader in the execution of projects.