

## **Programme Educational Objective (PEO)**

- Mastery of basic principles of science and engineering that builds the foundation of the modern chemical, petroleum, petrochemical, pharmaceutical, polymer and bio-engineering
- Creative application of this mastery to pursue advanced degree and /or certifications of our graduates and inculcate the practice of independent learning as well as the ability to engage in life-long learning
- Professional promotion and achievement of the apex position in a broad range of career paths in industries, academia, business, law, medicine or research and development by the application of communicative, creative and analytical , computational or problem solving skills developed during the graduate study
- Develop leadership in collaborative or multidisciplinary team work and tackle complex multifaceted problems to serve the ethical and social responsibility

## **Programme Outcomes (PO)**

- an ability to apply knowledge of mathematics and science particularly in chemical engineering;
- an ability to use the techniques, skills, and modern engineering tools necessary for chemical engineering practice.
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- an ability to communicate effectively
- an understanding of professional and ethical responsibility
- an ability to function on multidisciplinary teams
- the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- a recognition of the need for, and an ability to engage in lifelong learning
- a knowledge of contemporary issues