

**PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES AND COURSE
OUTCOMES FOR ALL PROGRAMS OFFERED BY THE INSTITUTION**

PROGRAM OUTCOMES (POs): Common to all branches of Engineering

1	Engineering Knowledge: Apply the knowledge of basic sciences and engineering fundamentals to solve engineering problems.
2	Problem Analysis: Analyze the complex engineering problems and give solutions related to chemical & allied industries.
3	Design/ development of solutions: Identify the chemical engineering problems, design and formulate solutions to solve both industrial & social related problems.
4	Conduct investigations of complex problems: Design & conduct experiments, analyze and interpret the resulting data to solve Chemical Engineering problems.
5	Modern tool usage: Apply appropriate techniques, resources and modern engineering & IT tools for the design, modeling, simulation and analysis studies.
6	The engineer and society: Assess societal, health, safety, legal and cultural issues and their consequent responsibilities relevant to professional engineering practice.
7	Environment and sustainability: Understand the relationship between society, environment and work towards sustainable development.
8	Ethics: Understand their professional and ethical responsibility and enhance their commitment towards best engineering practices.
9	Individual and team work: Function effectively as a member or a leader in diverse teams, and be competent to carry out multidisciplinary tasks.
10	Communication: Communicate effectively in both verbal & non-verbal and able to comprehend & write effective reports.
11	Project management and finance: Understand the engineering and management principles to manage the multidisciplinary projects in whatsoever position they are employed.
12	Life-long learning: Recognize the need of self education and life-long learning process in order to keep abreast with the ongoing developments in the field of engineering.