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

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

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| 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. |

PROGRAM SPECIFIC OUTCOMES (PSOs)

Department of Artificial Intelligence & Machine Learning

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| 1 | Identify, analyze, design, and development of systems using principles and concepts of Artificial Intelligence and Machine Learning. |
| 2 | Apply the concepts, principles and practices of Artificial Intelligence and Machine Learning and critically evaluate the results with proper arguments, selection of tools and techniques when subjected to loosely defined scenarios. |
| 3 | Apply concepts of Artificial Intelligence and Machine Learning models on data for enabling better decision-making. |