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.

Program Outcomes (POs): (Master of Business Administration)

1. **Knowledge Up-gradation:** Apply and upgrade knowledge Of Management fundamentals and specialization to the solution of management issue.
2. **Problem definition and analysis:** Identify, formulate, Evaluate, review usage of research literature and analyze complex management issues/problems reaching substantiated conclusions using principles of management specialization.
3. **Development of solutions:** Development of solutions for management issues/problems to design system, procedures or processes, methods, models etc.
4. **Investigations and Research study:** Use research oriented knowledge and methods including design of experiments, analysis and interpretation of data and evaluation and analysis of the information to provide valid conclusion.
5. **Modern Tools and technology:** create, select, and apply appropriate techniques resources and modern managerial tools including forecasting and implementation to management issues problems, activities with an understanding of the limitations.
6. **Management professionals and society:** Application of reasoning informed by the contextual knowledge get assess societal, health safety, legal and cultural issues and the consequent responsibilities relevant to the professional managerial practice.
7. **Sustainability with Environment:** the impact of the professional and managerial solutions in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.
8. **Ethics:** Apply ethical principles and commitment to professional ethics and responsibilities and norms of the management practices.

9. **Individual and Team work:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.

10. **Communication:** Communicate effectively on management issues/problems, activities with the community and with society at large, such as, being able to comprehend and write effective reports.

11. **Project Management:** Demonstrate knowledge and understanding of the management principles and apply these to one's own work as a member and leader in a team to manage projects and in multidisciplinary environments.

12. **lifelong learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.