



List of B.Tech Program Outcomes(POs)

S.No	Name of the Out Come	Explanation
1	PO1: Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	PO2: Problem analysis	Identify, articulate, review research literature, and analyze complex engineering problems to reach reasoned conclusions using first principles in mathematics, science, and engineering.
3	PO3:Design/development of solutions	Design solutions to complex technical problems and design system components or processes to meet identified needs with due consideration of public health and safety, as well as cultural, social and environmental considerations.
4	PO4:Conduct investigations of complex problems	Use science-based knowledge and research methods, including experimental design, data analysis and interpretation, and data synthesis, to draw valid conclusions.
5	PO5: Modern tool usage	Create, select and apply appropriate techniques, resources and modern engineering and IT tools to complex engineering activities, including forecasting and modeling, with an understanding of constraints.
6	PO6: The engineer and society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
7	PO7: Environment and sustainability	Understand the impact of professional design solutions on social and environmental relations and shows the knowledge and need for sustainable development
8	PO8: Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
9	PO9: Individual and team work	Works effectively both as an individual and as a member or leader in diverse groups and multidisciplinary environments
10	PO10: Communication	Effectively communicate complex project tasks with the engineering community and society at large, including the ability to understand and write effective reports and project documentation, make effective presentations, and give and receive clear instructions.
11	PO11: Project management and finance	Demonstrates knowledge and understanding of planning and management principles and applies them in their work as a team member and leader, in project management and in multidisciplinary environments.
12	PO12: Life-long learning	Recognize the need for independent and lifelong learning and the preparation and ability to participate in it in the wider context of technological change