**Programme Outcomes for M. Tech Civil Engineering (Infrastructure Engineering and Management):**

PO-1: Engineering Knowledge: Student would be able to apply the engineering knowledge pertaining to Infrastructure Engineering and Infrastructure Management. This programme aims at developing Techno-Managers for the complex infrastructure projects.

PO-2: Problem Analysis: Student would be able to analyze the problems pertaining to decision making in complex mega infrastructure projects.

PO-3: Modern Tool Usage: Student would be able to use the modern tools and techniques including digital transformation methods used for managing, controlling and monitoring of present day complex infrastructure projects.

PO-4: Engineer and Society: Programme aims at developing Techno-Managers who would contribute towards societal development.

PO-5: Environment and Sustainability: Student would have overall concepts about the process and methodology for sustainable development.

PO-6: Ethics: Apply ethical principles and commit to professional ethics and responsibilities.

PO-7: Project Management and Finance: Programme aims at delivering thorough knowledge about Project management and Project Finance for controlling and monitoring of complex infrastructure projects.

PO-8: Communication: Student would develop strong communication skills to become capable Project Managers for handling infrastructure projects independently.

PO-9: Life-Long Learning: Programme aims at developing life-long learners capable of contributing to the society throughout their life.

**Program Outcomes for M. Tech Environmental Engineering:**

PO-1: Engineering knowledge: Ability to acquire and apply fundamental principles of science and engineering to address the environmental problems

PO-2: Problem analysis: Ability to analyze and solve practical problems related to environment issues

PO-3: Design/development of solutions: Ability to design, develop and evaluate treatment plants

PO-4: Conduct investigations of complex problems: Ability to conduct, analyze and interpret experiments and apply experimental results to improve the process in environmental engineering

PO-5: Modern tool usage Ability to use modern tools and techniques for solving environmental problems

PO-6: The engineer and society: Ability to assess the impact of global, social and cultural changes on environment

PO-7: Environment and sustainability: Ability to understand the importance of sustainability for any industrial projects

PO-8: Ethics: Ability to exhibit professional, legal and ethical behavior

PO-9: Individual and team work: Ability to work effectively as an individual and as a member/ leader in a team

PO-10: Communication: Ability to communicate and present effectively

PO-11: Environmental economics and finance: Ability to employ environmental and economic knowledge to understand linkage between economic growth and environment.

PO-12: Life-long learning: Ability to enhance self-improvement through continuous professional development and life- long learning

**Program Outcomes for M. Tech (Civil – Transportation Engineering)**

PO-1: Develop a thorough understanding of transportation engineering and allied subjects

PO-2: Demonstrate knowledge of transportation project planning, design, construction, and maintenance

PO-3: Ability to use analytical skills to identify, analyze, and solve real-world transportation engineering challenges

PO-4: Inculcate the research knowledge to provide suitable and sustainable solutions to various transportation authorities for effective implementation

PO-5: Develop skills to apply modern tools, software, and other IT tools for solving complex transportation problems

PO-6: The ability to write and present research articles, technical reports/documents, and technical reports/documents

PO-7: Ability to work independently or as part of a team with high ethical values when it comes to social, environmental, and economic issues