

M. Tech Civil (Transportation Engineering)

Program Educational Objectives

- I. Graduates of the program will have in-depth knowledge to identify and formulate challenging problems in transportation engineering, apply appropriate research methodologies, use modern engineering tools and provide technically sound, economical and sustainable solutions.
- II. Graduates will have ability for higher studies and undertake high value research on transportation engineering and other related issues.
- III. Graduate of program will have sound analytical and lateral thinking ability to engage in lifelong learning for professional advancement to cope up with multidisciplinary and changing technologies in transportation engineering.
- IV. Graduates of the program will have sense of social responsibility, will demonstrate ability to communicate and work effectively as a team member in an ethical way, and will play leadership roles in their profession, public services and community.

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Program Outcomes

On completion of the program students will be able to

- PO-1 Apply the knowledge of science, mathematics, and engineering principles for developing problem solving attitude, independently carrying out research /investigation and development works.
- PO-2 Write and present a substantial technical report / document.
- PO-3 Demonstrate a degree of mastery in transportation engineering. The mastery should be at a level higher than the requirements in the appropriate bachelor program.
- PO-4 Gain knowledge / skill in transportation engineering for collaborative multidisciplinary solutions and carry out planning and management of projects as a member and a leader in a team considering economic and financial factors.
- PO-5 Recognize the need for, and have ability in lifelong learning independently for professional advancement, demonstrate professional ethics, work culture and understanding of responsibility to contribute to community for sustainable development of society.