

PEOs, POs of M.Tech in Structural Engineering (SE)

Program Educational Objectives (PEOs) for the PG-Program (M.Tech) in Structural Engineering (SE):

PEO-1: To expose the graduate students to advanced structural analysis, structural dynamics, allied theory in elasticity and plasticity, finite element method (FEM) etc.

PEO-2: To impart training to graduate students in behaviour and design of advanced reinforced concrete (RC) structures, behaviour and design of advanced steel structure, latest procedures in earthquake resistant design practices and earthquake resistant design philosophies.

PEO-3: To expose the graduate students to latest design codes, current national and international scenario on structural engineering and to motivate them in interdisciplinary involvement in problems related to Structural Engineering.

PEO-4: To orient the graduate students to high value research related to structural engineering so that they get impetus to pursue research and lifelong learning.

Program Outcomes (POs) for the PG-Program (M.Tech) in Structural Engineering (SE):

PO-1: An ability to independently carry out research / investigation and development work to solve practical problems.

PO-2: An ability to write and present a substantial technical report/document.

PO-3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

PO-4: Program graduates will gain knowledge and skill in integrating Structural engineering concepts across multiple disciplines.

PO-5: Program graduates will develop understanding on project in Structural Engineering with ethical value towards social, environmental and economic development / sustainability.

PO-6: Graduates will develop interest to pursue higher studies and lifelong learning.