Program Educational Objectives (PEOs):

PEO-1: To expose the students to vibration theory and problems, earthquake hazards and earthquake engineering principles, earthquake disaster management.

PEO-2: To impart training to graduate students to the latest earthquake resistant design philosophies, codal design and design philosophies beyond code, so that the students can independently tackle earthquake engineering problems and they can handle the earthquake hazard mitigation projects.

PEO-3: To expose the graduate students to current national and international scenario on earthquake engineering and to motivate them in interdisciplinary involvement in earthquake related problems.

PEO-4: To orient the graduate students to high value research on Structural Dynamics and earthquake Engineering so that they get impetus to pursue lifelong learning.

Program Outcomes (POs):

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 Dynamics and Earthquake Engineering concepts across multiple disciplines.

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

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