

PEOs and POs of M.Tech. in Water Resources Engineering

Program Educational Objectives (PEOs) of Water Resources Engineering (WRE), Department of Civil Engineering:

PEO-1: To equip the students with capabilities required for identifying, formulating and management of water resource related issues/problems.

PEO-2: To impart training to the students to prepare them for conducting high value research on water resources and other related issues and also to pursue lifelong learning.

PEO-3: To introduce the students to the water related problem at international, national and regional level so that they get exposure to the burning issues.

PEO-4: To impart training to the students to gain capabilities for conducting joint collaborating works.

Program Outcomes (POs) of the Department of Water Resources Engineering (WRE), Department of Civil Engineering:

- a. Graduates of the program will be able to demonstrate in depth knowledge of the discipline and build capability to apply that knowledge to water resources issues.
- b. Program graduates will gain knowledge and skill in integrating water resources concepts across multiple disciplines.
- c. Graduates will have the ability to employ technical knowledge and leadership skills to water resources research and consultancy problems.
- d. Graduates of the WRE program will demonstrate the ability to carry out original and useful research in key areas of water resources engineering.
- e. Program graduates will be able to identify and analyse the impact of water resources development project and find a suitable solution from number of alternatives.
- f. Graduates of the program will develop skills to communicate both formal and informal values of water resources and water resources research with the public, learners, practitioners and all other community members.
- g. Program graduates will develop confidence in water resource system analysis and management with high ethical value towards social, environmental and economical issues.
- h. Graduates will develop enthusiasm and confidence to pursue lifelong learning for professional advancement.
- i. Program graduates will develop the spirit of working in team for common objectives.
- j. Graduates of the program will develop interest to pursue higher studies and teaching profession.
