M.Tech. - EWRE
(Effective from: A.Y. 2015-16)

Programme Educational Objectives (PEOs)

I.   Graduates of the programme will have in-depth knowledge to identify and formulate challenging environmental andwater resources problems, 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 environmental,water resources and other related issues.

III. Graduates of programme 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 environmental and water resources engineering.

IV. Graduates of the programme 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.

Programme Outcomes (POs)

On completion of the Programme, students will be able to

1. Apply the knowledge of science, mathematics, and engineering principles for developing problem solving attitude, independently carrying out research /investigation and development works.

2. Write and present a substantial technical report / document.

3. Demonstrate a degree of mastery in environmental and water resources engineering. The mastery should be at a level higher than the requirements in the appropriate bachelor Programme.

4. Gain knowledge / skill in integrating environmental and water resources concepts 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.

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.

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