

Programme: M. Tech. Environmental Engineering

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1 – Knowledge Attainment: Post-Graduates shall achieve sound practical proficiency and knowledge in various fields of Environmental Engineering leading to a successful career.

PEO 2-Employability / Higher Education / Entrepreneurship: Post-Graduates shall be prepared for employment in Government, Industry or private organizations and have in them a strong desire for Higher Education / Entrepreneurship.

PEO 3 – Social Responsibility: Post-Graduates shall use the acquired skills and facts to improve the environmental quality for better habitation.

PEO 4– Integrity and Ethics: Post-Graduates shall conform to professional ethics and contribute to uphold the integrity of their profession

PEO 5 –Communication Skills: Post-Graduates shall develop strong technical communication skills and intra and inter personal skills which would help inculcate in them team spirit, management and leadership qualities.

PEO 6-Modern Tool Usage: Post-Graduates shall develop in-depth knowledge of the modern skills and tools related to environmental engineering so as to enable them to address the environmental aspects and sustainable issues

PROGRAMME OUTCOMES (POs)

1. **Technical Skills:** Post-Graduates will develop confidence and technical skills for taking up research, consultancy and teaching as a profession.
2. **Problem analysis / Development of solutions:** Post-Graduates will attain an ability to identify, formulate and design system components or processes that meet the specified needs to solve complex environmental engineering problems.
3. **Conduct investigations of complex problems:** Post-Graduates will be able to conduct investigations of complex environmental problems using research based knowledge and tests / experiments
4. **The engineer and society:** Post-Graduates will understand the impact of engineering solutions on environment and the society.
5. **Ethics:** Post –Graduates will have a strong Professional and Ethical responsibility.
6. **Communication:** Post-Graduates will be able to communicate effectively in both verbal and written forms to the technical community as well as society.
7. **Face Challenges:** Post-Graduates will develop confidence to face newer challenges in Industry / society.

8. **Life-long learning:** Post-Graduates will develop confidence for self-education and ability for life-long learning.
9. **Adopt new technology:** Post-Graduate will learn to adopt new technology by properly understanding the pros and cons to implement the same successfully.