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.