

M.Tech. in Environmental Engg

Started in 1966 with 10 seats and now the intake is 18.

Programme Educational Objectives (PEOs)

PEO1: Strengthen the students' knowledge-base and foundation in Environmental Engineering and make them capable of understanding and effectively analyzing the engineering problems with an innovative solution.

PEO2: To impart in depth education in Environmental Engineering to ensure that the students acquire core competency to become useful and ready for the industries and research institutions.

PEO3: To provide an academic atmosphere for the students to inculcate lifelong learning skills along with due integrity and ethics for the benefit of the society at large and environment in particular.

Programme Outcomes (POs):

Based on the Civil Engineering department's educational objectives, students will achieve the following specific Programme Outcomes;

PO-1: Scholars will be able to demonstrate adequate **knowledge** on wider perspective in the areas of Environmental Systems to become successful professional engineers.

PO-2: Scholars will be able to **understand** and practice the environmental engineering problems and subsequently give **solutions** to typical field/industrial problems.

PO-3: Scholars will be able to conceptualize environmental systems or component and evaluate them to use best and feasible solution considering safety, environmental and other constraints.

PO-4: Scholars will be able develop skills to become a good researcher to work on any environmental engineering problem, based on a comprehensive literatures review, using latest techniques and tools to conduct experiments with due capability to interpret experimental results.

PO-5: Scholars will be able to use software, other modern tools and engineering equipment to analyze and solve complex environmental engineering problems.

PO-6: Scholars will be able to display skills of presenting their work before the research community, and give and take clear directions.

PO-7: Scholars will be able develop Environmental friendly technology for a sustainable development of the environmental systems.

- PO-8: Scholars will be able to show the qualities of professional integrity and ethics and express the responsibility towards a sustainable development of the society.*
- PO-9: Scholars will be able to undertake research in the environmental engineering laboratory independently and also can manage multidisciplinary tasks with a team of experts in their particular area of expertise.*
- PO-10: Scholars will be able to follow engineering standards and communicate and report effectively.*
- PO-11: Scholars will be able to demonstrate qualities of a good manager in handling environmental engineering projects, related finances, and organize workforce towards achieving the set goals and objectives.*
- PO-12: Scholars will be able to demonstrate the traits of good academician and take on independent and contemplative enduring learning.*