

## Department of Environmental Science (DES)

### Program specific outcome (PSO)

- ✓ M.Sc. (Environmental Science) is focused on developing practical skills and understanding of the physical, chemical and biological environment, and how society, industry and infrastructure interact with it.
- ✓ Emphasis is placed on techniques for examining environmental change, methods of monitoring and assessment and providing the context for possible impacts in a range of environments.
- ✓ The programme has a strong practical/laboratory component, with a specialized training in a wide variety of advance monitoring and sampling techniques
- ✓ Students develop knowledge, critical analysis and skills in diverse and interdisciplinary areas of Environmental Science
- ✓ Students are prepared for a wide range of careers in environmental consultancy and business, in government and non-governmental organizations and for PhD and Postdoctoral Research in environmental sciences

### Course specific outcome (CSO)

Students are specifically trained in the following areas:

- ✓ Monitoring of air, water and soil for various criteria pollutants and heavy metals.

- ✓ Carrying our Environmental Impact Assessment (EIA) of industries and infrastructure projects.
- ✓ Techniques of composting of wastes.
- ✓ Mapping of water quality of eutrophic wetlands.
- ✓ Capacity to map aquatic biota and trophic state of freshwater ecosystem.
- ✓ Training to assess soil quality.
- ✓ Quality assessment of agro-ecosystem.
- ✓ Assessment of biodiversity of rivers.
- ✓ Microbial quality of water and wastewater.