



B. Sc. Environmental Sciences

Vision

Envisions to accomplish academic and professional excellence through holistic Environmental Science Education, ignite young minds, foster ethical attitude, nurture mutual love and compassion towards nature, and empower them to take up a promising career to create and contribute to the Nation and ultimately to environmental sustainability.

Mission

- Impart World-Class Education through Scientific and Inter-disciplinary propensity, and create passion for Environment through well-designed curriculum and dedicated teaching.
- Inculcate principles of environmental stewardship by experiential learning and instill the aptitude and attitude for cutting-edge research in multifarious fields of environment.
- Promote holistic development by fostering environmental, ethical and social values and building scientific, communicative and leadership qualities with competency to face the Global Environmental Challenges.
- Nurture self-motivated, life-long learning environmentalists and environmental entrepreneurs in partnership with academia, industry, community, governmental and non-governmental organizations for achieving sustainable development goals.

Programme Outcomes

1. Demonstrate comprehensive knowledge of basic scientific concepts of the functioning of environment.
2. Critically analyze the relationships between abiotic and biotic components of the environment.
3. Exhibit scientific and research outlook to compare, assess the environmental issues and develop solutions to mitigate / combat the environmental problems
4. Utilize appropriate tools and instruments with skills to analyze the environmental facets.
5. Evaluate the quality of environment using assessment models
6. Disseminate the research findings to the stakeholders through scientific report
7. Demonstrate with zeal and enthusiasm the willingness to collaborate with diverse teams in designing and formulating solutions for pressing environmental issues
8. Practice moral and ethical values with environmental conscience in professional and social life.
9. Recognize the potential environmental threats, provide mitigation measures to restore the degraded ecosystems and contribute towards nation building initiatives

Programme Specific Outcomes

1. Apply the principles of environment and comprehend the relationships among various components using multi-disciplinary and inter-disciplinary approaches.
2. Determine the properties of the environment qualitatively and quantitatively and interpret the results in comparison with the environmental standards
3. Employ appropriate waste treatment/pollution control technology/ strategy for clean environment
4. Practice principles of preservation, conservation and ecological sensibility towards building a sustainable living.



M. Sc. Environmental Sciences

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Programme Outcomes

1. Exhibit advanced comprehensive knowledge in the field of Environmental Sciences through Inter-Disciplinary approaches
2. Critically analyze the relationships existing among various spheres of Natural Environment and Impact of Anthropogenic Activities
3. Identify and recognize appropriate scientific, research outcomes and environmental standards towards mitigation of consequences of environmental problems
4. Utilize a broad spectrum of tools and techniques of qualitative and quantitative nature with the aid Computational Modelling
5. Assess and evaluate the results obtained from data analyses to arrive conclusions prepare the Report for dissemination
6. Develop multidisciplinary approaches towards designing technologies to resolve the environmental problems related but not restricted to water, wastewater treatment, air pollution, noise pollution and solid waste management strategies
7. Demonstrate leadership qualities and social responsibilities, willingness to collaborate with governmental and non-governmental agencies addressing environmental issues
8. Develop environmental responsibilities and disseminate environmental ethics to build a sustainable society through mass awareness programs with appropriate communication services
9. Infer social and professional ethics towards the development of environmental consciousness

Programme Specific Outcomes

1. Comprehend the principles and concepts of functioning of the environment and relate the theoretical knowledge in the field / real world with a multi-disciplinary / inter-disciplinary approach
2. Determine the properties of the environment qualitatively and quantitatively and their compliance to the environmental standards and to justify the importance of Environmental Protection
3. Assess the status of environment using guidelines devised by regulatory bodies towards natural resources conservation, pollution management and sustainable development
4. Relate the theoretical knowledge with field applications, develop new ideas and strategies with creativity in relevant subject(s) related to Environment and contribute in various domains of the environment