



BE WHAT YOU WANT TO BE



'Educating the mind without educating the heart is no education at all' - Aristotle

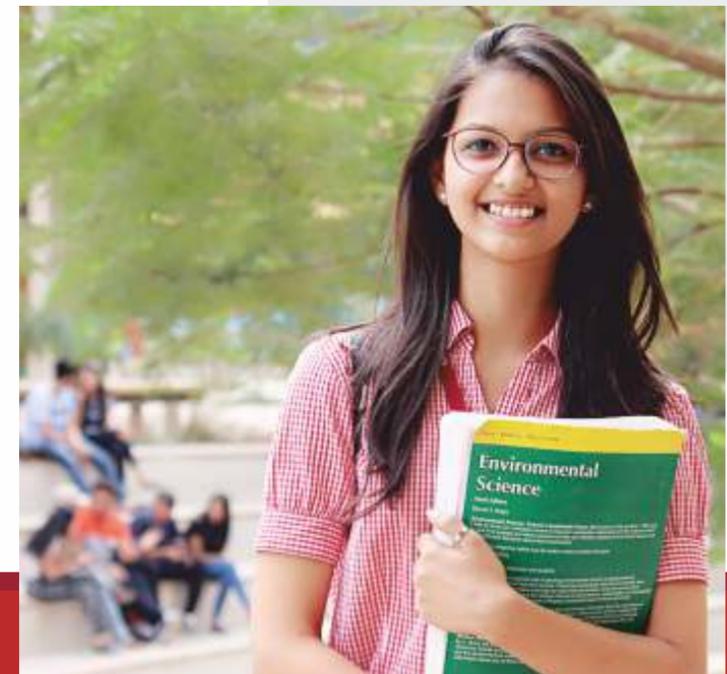
To pursue personal interest, there are several student-run clubs like the Automates@NUV, Business@NUV, Engineering@NUV, Management@NUV, ScienceIT@NUV, Music@NUV, Design@NUV, and Computers@NUV that allow education to flourish with other interests.

- SCHOOL OF BUSINESS AND LAW**
- SCHOOL OF ENGINEERING AND TECHNOLOGY**
- SCHOOL OF LIBERAL STUDIES AND EDUCATION**
- SCHOOL OF ENVIRONMENTAL DESIGN AND ARCHITECTURE**

For admissions inquiries and application forms, please contact 0265-6172100 or write to us at admission@nuv.ac.in or visit www.nuv.ac.in or meet us at Admissions Office, Navrachana University, Vasna-Bhayli Road, Vadodara 391 410 Follow us at www.facebook.com/nuvofficial



MSc
Environmental
Science & Technology



School of Engineering and Technology

Eligibility: Candidates to have completed one of the following degrees B.Sc. (Environmental Science, Chemistry, Botany, Zoology, Biochemistry, Biotechnology, Microbiology, Genetics, Bioinformatics, Physics, Applied Sciences, Life Sciences, Geography, Geology, Agriculture and Forestry) with Chemistry as one of the subsidiary subjects, B.Tech. / B.E. (Civil, Environmental and Chemical) and B. Pharm

Admission Process: Eligible candidates are required to appear for an interaction with experts of the School of Engineering and Technology.

Hostel: Limited accommodation facilities available for outstation students.

At NUV, we believe that students must achieve a good balance of academic productivity and collegial delight through an experience that connects what they do inside and outside the classroom. Students have plenty of opportunities to pursue personal interests with friends while undergoing a rigorous education, and make time at the University rich, substantial and fulfilling.

Student life at Navrachana University is vibrant and thriving with a variety of events round the year. In addition to academics, field trips and educational tours, NUV students are active around and beyond campus. Whether students are playing through the NUV Sports Club or cheering for friends, they are always busy participating and directing cultural events, organizing and attending Guest Lectures, participating and managing Workshops, administering and directing Quizzes, or participating, managing and organizing Extra-curricular activities - they are always busy.

NAVRACHANA UNIVERSITY

Navrachana University is a UGC approved University meeting norms and requirements of UGC and AICTE. Navrachana University comprises four schools offering a variety of under-graduate and post-graduate programs. Some of the salient features are:



Student-centric education with a focus on interdisciplinary learning, research, practical learning and hands-on education



Strict adherence to academic schedule and on-time examinations



Develops students with breadth of understanding through inter-disciplinary education and a depth of knowledge through focused disciplinary education



State-of-art infrastructure facilities: Wi-Fi enabled campus; well-equipped library; modern laboratories for computer, engineering, and sciences; workshop facility for engineering, architecture and design students; well-equipped studios for design and architecture students; a computer-aided language laboratory; moot court for law students; amphitheatre and cafeteria



School of Engineering and Technology

To emerge as a center of excellence for holistic higher education, the University has established a top-class School of Engineering and Technology as a key provider of knowledge through teaching, research and industry connect in the field of Engineering and Technology. The BTech Program has the concept of pure and applied research as well as application of engineering theory into practice as its core philosophy.

Master of Environmental Science & Technology

The Master of Environmental Science & Technology equips student with the skills needed to provide an in-depth understanding of methods and technologies required to manage environmental projects.

Our world is facing an ever-increasing number of environmental problems which requires training experts with high level of ethical standards to advice industry, government and community sectors. The skills required to become a specialist in this area include:

- strong understanding of science related to environmental change
- expertise in interpreting data
- knowledge of current and emerging technologies

- capabilities to design and conduct research projects
- communication skills to persuade a wide range of audiences
- ability to function independently and professionally

This program offers these skills and prepares students with a competitive edge necessary to compete in the current core environmental professions. In final year, a capstone research project will consolidate students' learning.

Career Outlook

The growing global focus on environmental issues has opened up a large number of environment-related jobs. Graduates with a multidisciplinary skill set will be better equipped to analyze complex environmental problems and prepare careers in environmental management, research and policy development within the public and private sectors. They will serve as experts in:

- Environmental Consultancies
- Government & Semi Government Agencies
- Resource Management
- Research and Academics
- Industries

Industry Connect:

The Environmental Science & Technology program is designed for students to receive real-life education through interaction with industry and community organizations. In several courses, industry partners and government agencies like CPCB and GPCB will deliver lectures and participate in classroom activities like project proposal development, client relations, and risk management.

Program Structure:

Environmental Science & Technology requires 88 credits to graduate. Students will receive multi disciplinary education using methods that are based-in interactive and hands-on learning. During the first three semesters, students will follow a sequence of Knowledge, Comprehension and Application. In the final semester they will focus on higher order of education through skill-based learning that deal with Analysis, Synthesis and Evaluation.

Year 1 - consists of fourteen compulsory science courses to help understanding of concepts of ecological, physical and environmental science. Student will develop a theoretical perspective on analytical instrumentation and laboratories will focus on behavior of pollutants. Elective courses will help develop expertise in Social Science / IT / Management / Research Methodology.

Year 2 - will focus on approaches to environmental issues through methods that are hands-on and applied problem-solving. It will lay emphasis on technology, mechanics of science and ecosystem, and industrial safety and environmental legislation. Elective courses will help develop expertise in Environmental Hydraulics and Hydrology/Industrial Psychology. Student under takes a research project in their interest area.

Learning Outcome:

Our graduates will become top-notch environmental stewards and offer advice professionally, personally and socially. They will demonstrate:

- Understanding of science related to environmental change and evolution
- Expertise in interpreting complex data related to environmental problems and challenges
- Expertise in knowledge needed to solve current and emerging technologies
- Understanding related to questions they need to ask and in-depth research they need to conduct
- Expertise in communicating environmental issues to a wide audience
- High level of autonomy in the way they function
- Expertise in solving complex social and ethical problems confronting the industry and the government