



**Ganpat
University**

॥ विद्यया समाजोत्कर्षः ॥

**Mehsana Urban
Institute of Sciences**

DEPARTMENT OF MICROBIOLOGY

About Institute

Mehsana Urban Institute of Sciences was founded in 2006 with a view to meet the educational needs of the youth, to prepare them for their professional studies in numerous areas of pure and applied sciences by providing them with ample sophisticated learning opportunities.

MUIS has all the facilities that go into making a tailor-made and wholesome learning experience for science students and enthusiasts. To name just a few, the institute possesses various state-of-the-art laboratories with latest equipment, revamped class rooms, seminar rooms with OHP and multimedia projectors, modern computer systems with uninterrupted high-speed internet facility, and a rich library that gives a wealth of information to students with a staggering 8,000+ books at its disposal.

The institute is constituent college of Ganpat University and approved by Department of Higher Education, Government of Gujarat and University Grants Commission, New Delhi. The Institute has adopted Choice Based Credit System (C.B.C.S) and the curriculum is designed as per UGC guidelines.

MUIS boasts of a stellar placement ratio year after year. Students of this institute are regularly placed with reputable employers across the nation in almost all the areas of Pure and Applied Sciences.

The Institute has achieved the national level recognition in the form of Flagship Award – The Most Upcoming Institute. This award has been given by Confederation Education Excellence (CEE) during the 5th Conclave on Excellence in Education with the theme “Education 2025: Students First”, New Delhi.

The Institute offer awards and scholarships to the meritorious students based on the student’s academic performance. The University awards Gold medals to the students for the scholastic performance during the Annual Convocation.

Faculty Profile

The Department has young & highly enthusiastic faculties with good academic experience as well as research background. The department has well qualified staff comprising Ph.D./NET/SLET as their academic credentials and has around 50+ research articles published in reputed Journals. The faculties also conduct various Minor and Major research projects in the various field of Microbiology. The teachers are ever available to the students for academic as well as career oriented counseling. The department has been encouraging the students to independently think as well as implement research ideas for innovations. The faculty also guides the students during their participation in a number of research and scientific activities across various colleges, research institutes and Universities in the Country.

About Department

The Department of Microbiology was established in 2006 with a vision to be recognized as a Unit with a strong research and teaching base in Biological Sciences and an active collaboration with industries and health-care institutions. It welcomes the students expressing their deep interest in understanding the mystery behind the life of Microorganisms, as well as those who intend to pursue their professional careers in Microbiology and allied fields.

Microbiology as a subject is the study of all living organisms (microbes) that are too small to be visible with the naked eye. The Department offers a full time two year and three year programs leading to the award of Master of Science (M.Sc.) and Bachelor of Science (B.Sc.) degree respectively in Microbiology. The students are offered courses in Microbial Diversity, Microbial Physiology, Virology, Immunology, Enzymology, Environmental Microbiology, Microbial Pathogenicity, Molecular Biology, Microbial Genetics, Recombinant DNA technology, Industrial Microbiology and Food Microbiology. As a part of their curriculum students deliver seminars on various scientific topics and undergoes project cum dissertation work. The department comprises of 11 well equipped microbiological laboratories with all the necessary instrumentation and research facilities. The department ensures that the students imbibe a culture of research.

Apart from studies the department also focuses on surround growth and development of the students through conducting various curricular and extra co-curricular activities that includes conducting SHODH-student research convention, Science day celebration, Oral and Poster presentation competitions, Industrial visit, Scientific workshops, Personality and soft skills development training, intra and inter-collegiate Sports tournaments, Youth festivals and cultural events. The Department believes in attaining high standards and discipline that satisfies the student’s prerequisite to succeed in the field of Microbiology, Science, and associated professional areas.

Courses offered

- M.Sc. Microbiology
- M.Phil. Microbiology
- Ph.D. Microbiology
- B.Sc. Microbiology
- B.Sc. + M.Sc. dual degree program

Research Expertise

- Agriculture Microbiology
- Molecular Microbiology
- Metagenomics
- Microinformatics
- Immunology
- Sanitary and Aquatic Microbiology
- Environmental Microbiology
- Food and Dairy Microbiology
- Molecular Biology

Placement



Laboratory Facilities

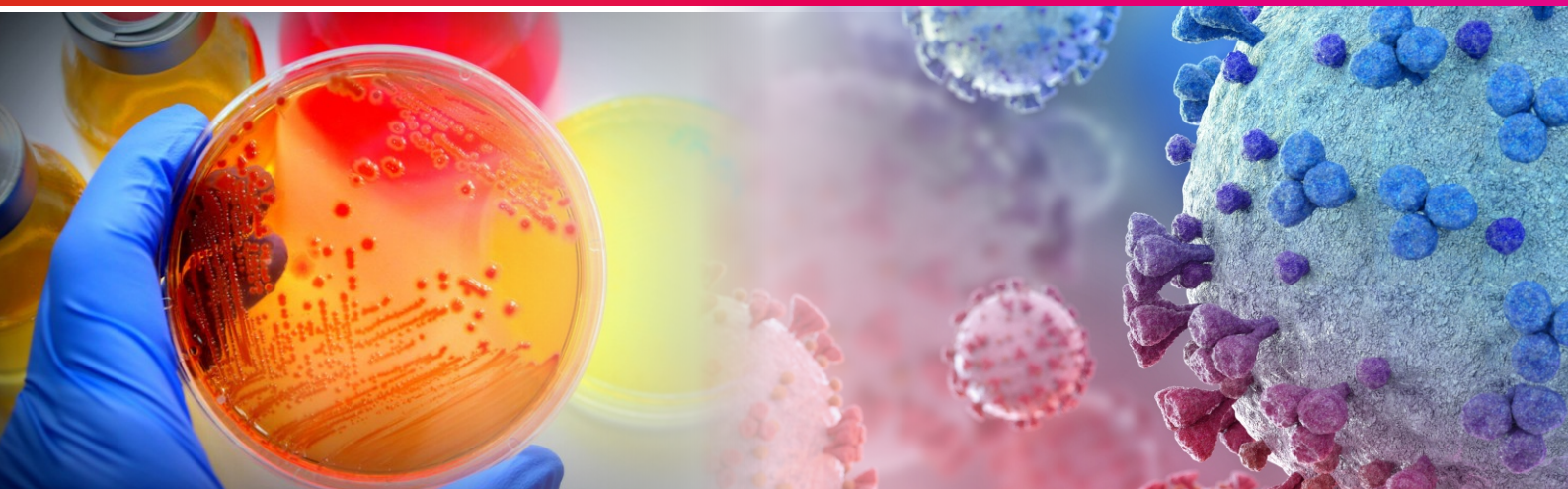
- Inverted Microscope
- Biosafety cabinet
- Thermocycler
- Orbital Shaker
- Gel doc system
- ELISA reader
- Automated centrifuge
- CO₂ Incubator
- Hot air oven
- Spectrophotometer
- Laminar Air flow cabinet
- Horizontal & Vertical Autoclave

Interdisciplinary Courses

- Marine Microbiology
- Medical Microbiology
- Industrial Microbiology
- Chemical Microbiology
- Astro Microbiology
- Predictive Microbiology

Salient Features

- Lush Green Campus & Peaceful environment to study
- Basic amenities available (Post office, Bank, ATMs, WiFi)
- Well Qualified and Experienced faculty members.
- Rigorous teaching dedication.
- Curriculum as per UGC guideline.
- Strong emphasis on research activities
- Hi-Tech Research laboratories.
- Value added course, Hands on Training.
- ICT enabled classrooms.
- Transportation and Accommodation facility.
- Free hostel for SC/ST Students.
- Conduct National and International Conferences.
- MOOC certified courses.
- Career counseling by Corporate experts
- Industrial Visits & Corporate collaborations
- Career Skill Development syllabus
- Research exposure: Publications in National, International Journals
- Competitive exam & Crash Course Preparation
- Excellent Placements Records.
- Ultra-Modern Computer Laboratories
- Library with online access.



Highlights of Department

- Modern Microbiological Laboratories equipped with latest instrumentation.
- Mentor system, personal counseling to student.
- Alumni Association and strong student network.
- Employability, Entrepreneurship, Skill based courses in the curriculum.
- Application based assignments and systematic lesson planning.
- Encouraging group projects to enhance Inter-personal skills.
- Expert sessions from industry personnel and Talks related to career advancements.
- Good number of Placement and Internship records in renown Industries.
- Evaluation of projects from industry and research oriented experts.
- A separate Research laboratory.
- Training and Placement Cell.

Contact Us

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