



DEPARTMENT OF **CHEMISTRY**

About Institute

Mehsana Urban Institute of Sciences was founded in 2006 with a view to meeting 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 and 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 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 got 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 on 22nd April 2017.

Mehsana Urban Institute of Sciences has been selected as Biotechnology Capacity Building Cell (BTCBC) in North Gujarat Region by GSBTM, Government of Gujarat in August 2018.

Laboratory Facility

- Organic Chemistry Lab
- Inorganic Chemistry Lab
- Physical Chemistry Lab
- Well Equipped Labs for UG,
- PG and Research Programme
- HPLC • UV-Vis
- Hot air ovens and Autoclave
- Water Purification system
- BOD, COD, TOC analyzers
- Muffle furnace
- Spectrometers
- Centrifuges and Sonicators

About Department

The Department of Chemistry welcomes students seeking to familiarize themselves with the fundamentals of chemistry, as well as those who intend to pursue professional careers in the field. Chemistry as a subject is interrelated with almost all branches of science. The department thus conducts activities that help build an excellent opportunity to form a career. The activities range from, conducting intra and inter-college competitions, like ChemFest, Science day, Oral and Poster presentation competitions, to guiding student research projects. Though the department offers only under-graduate, post graduate courses and research programmes, the department ensures students imbibe a research culture. In addition to visiting research centres and undertaking student research projects, students are guided on how to write a research article and present research papers at various competitions. Workshops are even conducted on the applications and use of software to draw chemical structures. The department has four spacious Chemistry laboratories equipped with the required instruments and other amenities. The department also has a departmental library that provides an easy access to reference book. The Department believes in maintaining high standards and discipline in offering the course that meet their guidelines for success in chemistry, science, and associated profession areas

Faculty Profile

Department has young & highly enthused faculties with good academic experience as well as research publication. The faculties have around 90+ research article 18 books with average citation in last 2 year and h index: 200/8. Average article impact factor is 2.7 and highest impact factor 7.0.

The Research article published in a reputed and peer reviewed publishers like Springer, Wiley, Tylor and Francie, Bantham, Elsevier, Royal Society of Chemistry, etc.

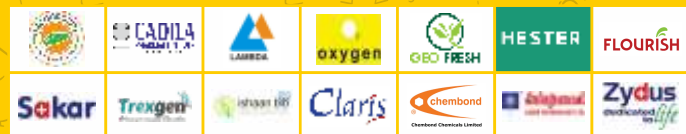
Courses Offered

- B.Sc. Chemistry
- M.Sc. Organic Chemistry
- M.Sc. Analytical Chemistry
- B.Sc. + M.Sc. (Dual degree integrated)
- M.Phil. Chemistry

Interdisciplinary courses

- Mathematics for Chemists
- Computational Chemistry
- Biology for Chemists
- Green Chemistry
- Industrial Chemistry
- Bioinorganic Chemistry
- Environmental Chemistry
- Nano-Chemistry

Placement



Research Expertise

- Theoretical calculations at DFT Level
- Supramolecular Chemistry
- Molecular Modeling
- Synthetic Organic Chemistry
- Pharma Chemistry
- Electrochemistry
- Sensor & Catalysis
- Nano Science
- Coordination Chemistry
- Computational Chemistry

Salient Features

- Rigorous teaching
- Strong emphasis on research activities
- Seminar/Project work presentation by students
- Strict adherence to the academic calendar
- Qualified Faculty
- Well-Equipped labs/Research laboratory, Project Based Learning
- Value added course, Hands on Training
- Industrial Visits/Placements
- ICT enabled classroom.
- Bus facility for all students.
- Free hostel for SC/ST Student.
- International Conference.
- MOOC certified course conducted in each department.
- Career counseling by guest speakers , senior corporate personnel
- Tie-up arrangements with Industries & Corporate of repute for Campus
- Career Skill Development syllabus has been included in the Academic Curriculum
- Research Citations , Publications in International Journals with good impact factor
- Competitive exam/Crash Course Preparation (NET/GATE/GSET)
- Excellent Placements by recruiters
- Ultra-Modern Computer Laboratories & Wi- Fi Access
- Library with access to online course
- Faculty with Rich Industrial and teaching Experiences
- Sophisticated Analytical Instruments and Industry Exposure in Campus



Highlights of Department

- Assignments outside the syllabus content, Prepare lesson plans for lectures.
- Encouraging group projects in order to improve the inter personal skills.
- Offering job oriented courses, including industrial related subjects in the curriculum.
- Arranging lectures from industry persons related to general topics and Talks related to career advancements.
- The department is well equipped with 12 laboratories. Department is working on outcome base teaching-learning process.
- Department has good number of Placement Summer Internship in Industries is provided to student by Department. Department provide collaborative initiative with Industry.
- Inputs to be considered from the alumni of the concerned departments.
- Evaluation of projects from industry and research persons.
- Training and Placement Cell
- Department has young & highly motivated faculties with good academic experienced. Number of Faculties: 23, Faculties with PhD: 13, M.Phil./NET/SET Qualified: 10, Lab Assistant: 06, Teaching Assistant: 02
- Department citation is 1500+ and h index is 20.

Contact Us

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