

DEPARTMENT OF MATHEMATICS

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.

About Department

The Department of Mathematics was established in 2012 (National Mathematical Year) with a vision to be recognized as a unit with a strong research and teaching base in Mathematical Sciences. The Department welcomes the students expressing their deep interest in Mathematics who intend to pursue their professional careers in Mathematics and allied fields.

Mathematics as subject is important for all members of a modern society as a habit of mind exercise for its use in the workplace, business and finance; and for personal decision-making. Mathematics is fundamental to national prosperity in providing tools for understanding science, engineering, technology and economics. 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 in Mathematics respectively. The course and syllabus designed for the bachelor's and master's students of Mathematics to provide them basic as well as advanced knowledge of the subject. The course curriculum covers different functional areas of Pure Mathematics and Applied Mathematics which provides vital balance between Algebra, Geometry, Analysis, Computational Mathematics and Application of Mathematics. The syllabus is in accordance with UGC's guidelines and involves all the important topics required to learn in the bachelor and master level. The Department is instrumental in

many mathematical talent search tests conducted in Gujarat. The Department is a center for National Creativity and Aptitude Test (NCAT), Prof.A.R.Rao Mathematics Competition, Minaxi-Lalit Science Award Test and Madhva Mathematics Competition. As a part of their curriculum students deliver seminars on various mathematical topics. The Department ensures that the students imbibe a culture of research. The Department organizes number of workshops, seminars every year to motivate students and maintain a conducive environment to empower their understanding and critical thinking ability through various challenging activities.

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, National Science and Mathematics day celebration, Oral and Poster presentation competitions, 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 Mathematics, Science, and associated professional areas.

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 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.

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.
- Value added course, Hands on Training.
- ICT enabled classrooms.
- Transportation and Accommodation facility.

Courses offered

- B.Sc. Mathematics
- M.Sc. Mathematics
- B.Sc. + M.Sc. Dual Degree
- M.Phil. Mathematics
- Ph.D. Mathematics

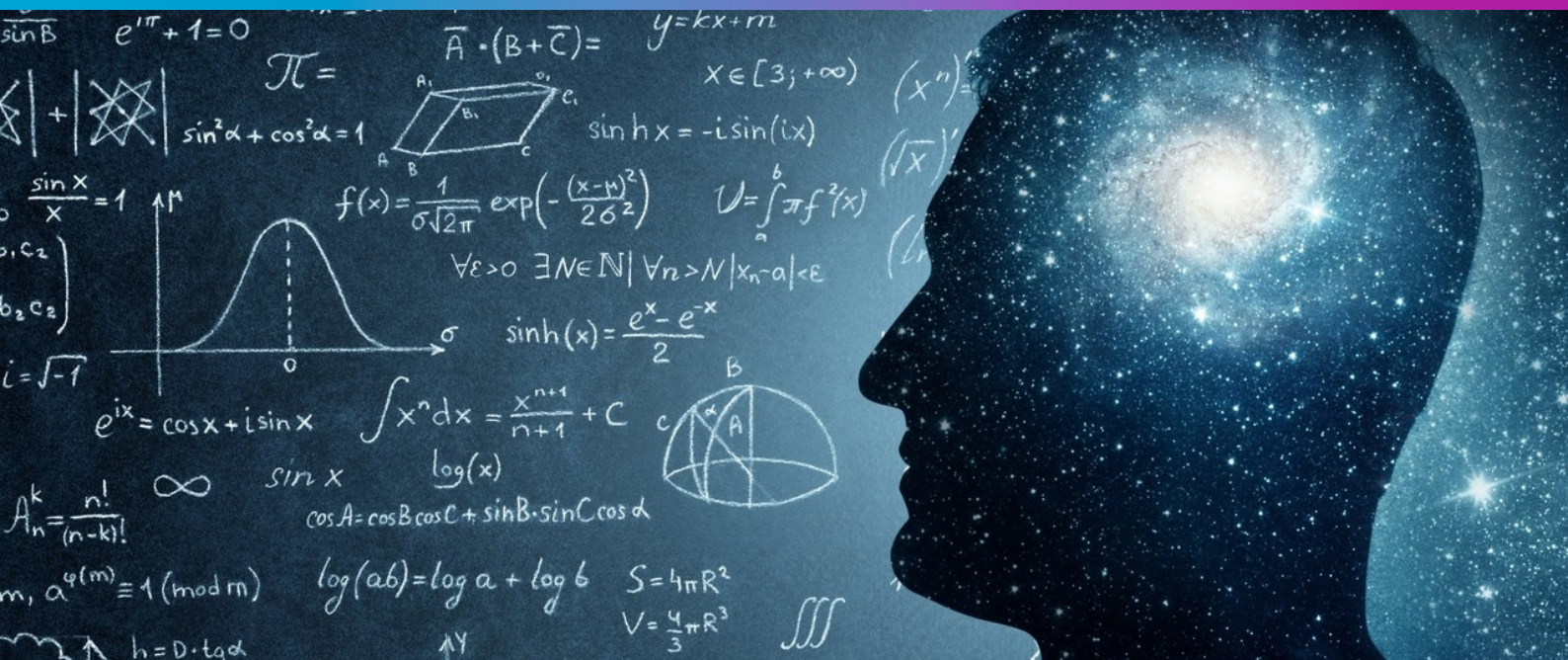
Research Expertise

- Numerical Analysis
- Fluid Dynamics
- Banach Algebra
- Mathematical Modeling
- Operation Research
- Computational Mathematics

Interdisciplinary Courses

- Engineering Mathematics
- Mathematical Physics
- Mathematics for Biology
- Biostatistics
- Mathematical Statistics
- Industrial Mathematics

- Conduct National and International Conferences.
- MOOC certified courses.
- Career counseling by Corporate experts.
- Career Skill Development syllabus.
- Research exposure: Publications in National, International Journals.
- Competitive exam & Crash Course Preparation.
- Ultra-Modern Computer Laboratories.
- Library with online access.



Highlights of Department

- 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 reputed institute and Talks related to career advancements.
- Training and Placement Cell.
- Modern Mathematical Laboratories equipped with latest instrumentation.

Contact Us

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