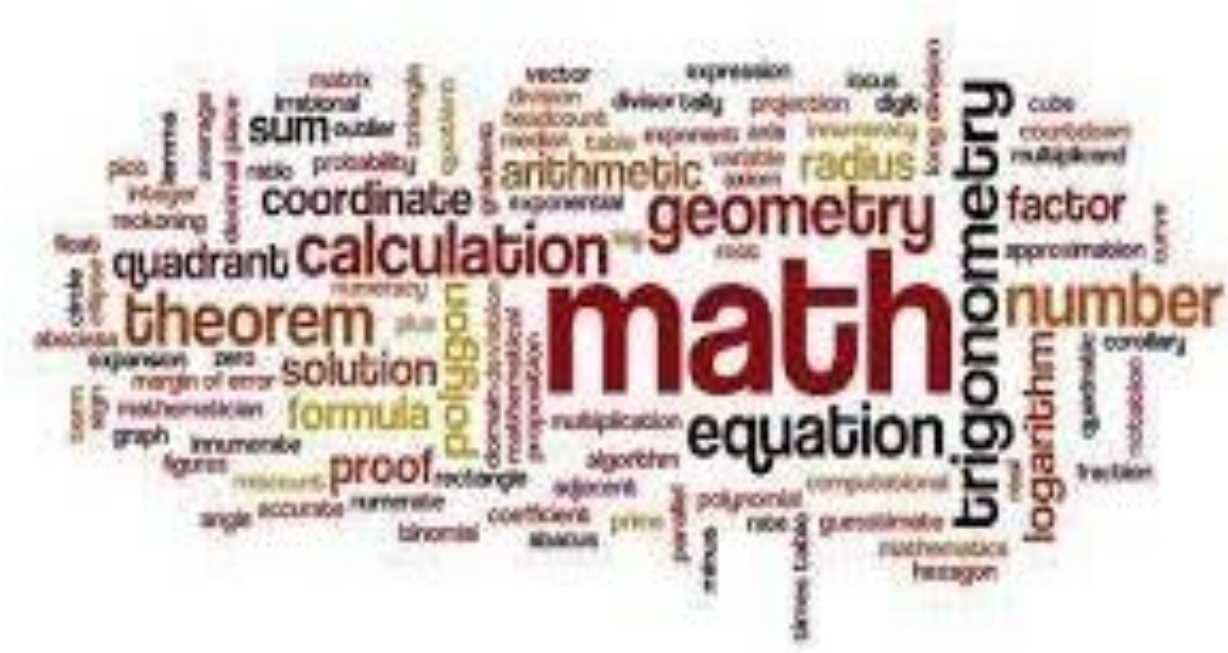
Department of Mathematics



Without mathematics,
there's nothing you can do.

Everything around you
is mathematics.

Everything around you
is numbers.

-Shakuntala Devi

DEPARTMENT PROFILE

The Mathematics Department is one of the major and vibrant departments in the Institute and has been in the forefront, providing quality education and training in the field for past 6 decades. The department has been well-known for its long and proud history, its strength, its rigorous establishment, active research are due to strong academic faculty and hence stands for academic excellence, intellectual integrity and holistic development of the youth.

The Department of Mathematics attained its present status as an independent department in 1960 itself. Along with the rise and vigorous development, the department runs its own Undergraduate, Postgraduate and Research in Mathematics. The faculty members devote themselves to teaching, original research and makes high-quality outstanding achievements by periodical updating and revising its teaching and research schemes. Thereby, they have published good number of research papers in international journals and produced significant influence in the Mathematical society. The Mathematics Colloquium is a newly established research avenue under the Department of Mathematics which aims to enable interaction between experts from other reputed institution, faculty and scholars to enhance impactful research, real world problem solving and knowledge creation and dissemination in both pure and applied mathematics.

Currently, the present curriculum and syllabus provides training in such diverse mathematical disciplines like algebra, analysis, vector calculus, statistics, differential equations, mechanics, and computer programming. As a result, students will have a wide variety of career options in areas like computer applications, business administration, statistics and operational research, banking and insurance sector, civil and statistical services.

Vision

Imparting academic excellence for professional development of women through teaching and research to excel globally in the field of mathematics.

Mission

To provide benefits to the student community in the field of Mathematics by promoting analytical, independent, rational and logical thinking with emphasis on commitment to social progress and national integration.

Objectives:

- To organize, connect, create and communicate Mathematical ideas effectively.
- To inculcate logical reasoning, analytical thinking and problem solving skills and these skills will all be critical to future success.
- To enhance the research thirst.
- To pursue higher education or job.
- To encourage for upholding scientific integrity and objectivity in professional endeavors.
- To underpin every part of our world, including science, technology, business, commerce, the environment and human nature.

Thrust areas of Research

- Topology
- Fuzzy Topology
- Intuitionistic Fuzzy Topology
- Queueing Theory
- Sampling Techniques
- Control Theory
- Graph Theory