

DEPARTMENT OF MATHEMATICS



The programme since its inception in 1963, is striving to be a centre of excellence in Mathematics and Computing. The department is actively engaged in research, teaching and training. Being recognized under DBT Star Scheme and DBT Star status, the department has undertaken research projects, organized conferences, lecture workshops in collaboration with science academies of India, NBHM, DST, UGC and other funding agencies.

Our impactful curriculum caters to many facets of life skills. Supported by the integration IT related skill components our syllabi are accountable for making mathematics subjects interesting and enjoyable. Our Smart classrooms are venues of learning where the learners can come up with enthusiasm. They learn and explore the subject by making use of various mathematical concepts and garner benefits.

Scope

Mathematics is continually expanding with advancements in technology and has interdisciplinary nature of research. Mathematicians contribute to society by solving real-world problems, developing new technologies, and helps us to have a better understanding of the universe. The versatility of mathematical tools makes them indispensable in various domains, ensuring a broad and enduring scope for the field.



Programmes Offered

Undergraduate

- Mathematics (Aided) – Foundation from 1963
- Mathematics (Self – Finance) – Step up from 2015

Research – Formation from 2003

- Fluid Dynamics
- Control Theory
- Differential Equations
- Graph theory
- Operations Research
- Topology

Post graduate

- Mathematics (Self – Finance) – Initiated from 2003

Unique Features of the Programme

Curriculum

Program involves a careful selection and sequencing of courses to provide students with a comprehensive understanding of Mathematical concepts and their applications.

- **Foundation Courses**
- **Core Mathematics Courses**
- **Advanced Mathematics Courses**
- **Specialized and Applications Courses**
- **Electives:** Students have the flexibility to choose electives based on their interests.
- **Capstone Project or Thesis:** The final year should include a significant project that allows students to apply their mathematical knowledge to a real-world problem and delve deeper into a specific area of interest.
- **Professional Development:** Includes opportunities for internships, seminars, and workshops to enhance students' practical skills and prepare them for Careers and higher Studies.
- **Opportunities for Growth**

Provides opportunities for students to develop programming skills and software tools commonly used in Mathematics such as MATLAB, Python, Mathematica, R – Programming, SCILAB, GeoGebra, Tableau, can enhance their computational abilities.

Expertise of Faculty Members

- Our faculty members include a combination of academic excellence, teaching proficiency, interpersonal skills, and a passion for the subject.
- Proficient in a broad range of Mathematical topics, with expertise in their specific field of research.
- Implement diverse teaching methods to accommodate different learning styles.
- A continuous pursuit of professional development opportunities to stay abreast of educational trends, teaching methodologies, and advancements in Mathematics.

Grants And Projects

UGC (MINOR)



UGC STRIDE



DBT-NCSTC



GRG TRUST PROJECT



DBT STAR COLLEGE



INSA, NEW IAS, BANGALORE NASI, ALLAHABAD



UGC PARAMARSH



TNSCST



Alumni

Alumni contributions play a vital role in the growth and success of educational institutions. Alumni contribute in various ways, leveraging their skills, experience, and resources.

- Alumni are contributing through mentoring, endowments, or scholarships to support financially dependent students.
- Alumni who have excelled in their careers have been invited to deliver guest lectures, workshops, and seminars. Sharing their experiences and insights inspire our students and provide valuable real-world perspectives.
- Alumni working in various industries are collaborating with us and are creating internship as well as placement opportunities for the students.

Placement

Mathematics is a fundamental and versatile field of study. Students of Mathematics background are absorbed in the placement drive because of their analytical and problem-solving skills. Our students are placed in various sectors like:

- Actuarial Science
- Finance and banking
- Data science and Analytics
- IT
- Education and Academia
- Government and Public policy
- Health care
- Research development
- Technology and software development
- Telecommunications and so on.



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