

Programmes

Bachelor of Science (Honors) in Mathematics

Course Intensity: Full Time Programme

Duration: 3 years

About the programme:

Mathematics is a useful tool to solve problems in science, engineering and society. With the advent of computer age, application of Mathematics has been accelerated exponentially to solve problems in the field of Science, Engineering & Technology, Medical, Space Science, Economics, Business, Management and Environment. The objective of this program is to develop a sound basis in Mathematics and to kindle the students' interest in possible areas of application by developing an appreciation of the diversity of Mathematics. The program is about the intricacies of the mathematical concepts and theories applied in the real-life situations like data analysis, statistics, economics, business and banking, artificial intelligence etc. The program has a judicious mix of courses in algebra, calculus, analysis, geometry and demandable programming languages & software tools that are required to become a skilled professional.

Eligibility: XIIth with Science with minimum 50% marks with Mathematics as one of the subjects.

Tuition fee per annum: 50000

Exam fee per annum: 15000

Programme Objectives (POs):

1. PO1: Demonstrate the comprehensive knowledge of physical sciences and Mathematics.

2. PO2: Develop the ability to evaluate theories, methods, principles and applications of physical sciences and Mathematics.
3. PO3: Identify, formulate and resolve the emerging challenges based on design, experiment, data interpretation and analysis of results
4. PO4: Design a system, component, or methods to meet desired needs within realistic constraints such as environmental, health, safety, manufacturability, and sustainability.
5. PO5: Develop the skills in using modern tools for design and analysis of scientific and societal problems.
6. PO6: Work in teams on multi-disciplinary projects in research organizations and industries and present the report in a full scientific approach with professional ethics.
7. PO7: Build up communication skills, both written and oral, to specialized and non-specialized audiences.
8. PO8: Develop the ability to critically evaluate theories, methods, principles, and applications of pure and applied science in multidisciplinary domain with the lifelong learning approach.

Programme Specific Outcomes (PSOs):

PSO1: Acquire industrial exposure and scientific knowledge through industry internship and research-based learning.

Programme Educational Objectives (PEOs):

1. PEO1: Be successful professionals in Academia, Industry, Government and Entrepreneurship.
2. PEO2: Pursue higher education/research at institute of national and international repute.
3. PEO3: Effectively address the challenges of the society and undertake the projects for bridging the gap between industry and societal needs.

Program Structure:

<https://drive.google.com/drive/u/1/folders/1cmdYynl7HMH2wzrapvzF4rJNfhDo-Bn1>