

## **DEPARTMENT OF MATHEMATICS**

### **Programme Title: B.Sc. Mathematics**

#### **Programme Outcomes**

- PO1: To apply the knowledge of basic mathematics to obtain the solution for the complex mathematical problems.
- PO2: To identify, formulate and analyze mathematical problems in research.
- PO3: To acquire information and clear understanding in advanced areas of mathematics.
- PO4: To create and analyze mathematical models for solving the problems in the emerging areas of societal and environmental contexts.
- PO5: To apply mathematical knowledge in real life situations and in the context of scientific change via modern tools.
- PO6: To communicate mathematical concepts effectively.
- PO7: To equip the students' career needs and to synthesize with the industry requirements.
- PO8: To inculcate the ethical responsibilities via mathematical concepts.
- PO9: To enhance the ability of students to transfer ideas and develop team working skills.

#### **Programme Specific Outcomes**

- PSO1: To demonstrate basic manipulate skills in Algebra, Geometry, Trigonometry, Calculus, Mechanics, Statistics, Numerical Methods, Programming in C, Analysis and gain ability to know the basic ideas of Information Technology.
- PSO2: To develop the capacity to write the proofs of mathematical statements in a suitable manner.
- PSO3: Can take summer classes for the school children to do mathematics in a shortcut way.
- PSO4: To gain knowledge to solve the biological and community oriented problems via suitable mathematical models
- PSO5: To participate summer training programmes to get enhancement on Calculus, Algebra, Analysis, Mechanics, Differential equations and Geometry.