

# CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

## DEPARTMENT OF MATHEMATICS

**PROGRAMME NAME : M.Sc MATHEMATICS**

### **PROGRAM OUTCOMES:**

**PO 1 :** To provide comprehensive curriculum to groom the students into qualitative mathematicians.

**PO 2 :** Enable students to enhance their mathematical skills and understand the fundamental concepts of mathematics.

**PO 3 :** To provide qualitative education through effective teaching learning processes by introducing projects and participative learning.

**PO 4 :** To encourage collaborative learning and application of mathematics to real life situations.

**PO 5 :** To inculcate the curiosity for mathematics in students and to prepare them for future research.

**PO 6 :** Strengthen students competencies and confidence to succeed in competitive examinations, which include NBHM,GATE, CSIR NET, APSET and all such others.

**PO 7 :** Students will learn theoretically and applied practically through internships and projects

### **PROGRAM SPECIFIC OUTCOMES:**

**PSO 1 :** Understand the nature of abstract mathematics and explore the concepts in further details.

**PSO 2 :** Pursue research in challenging areas of mathematics.

**PSO 3 :** Develop abstract mathematical thinking.

**PSO 4 :** Apply the knowledge of mathematical concepts in interdisciplinary fields. **PSO 5:** Model the real-world problems into mathematical equations and draw the inferences by finding appropriate solutions.

**PSO 5 :** Adjust themselves completely to the demands of the growing field of Mathematics by lifelong learning.

**PSO 6 :** Innovate, invent and solve complex mathematical problems using the knowledge of pure and applied mathematics.