

## M Sc. MATHEMATICS

<b>PROGRAM EDUCATIONAL OBJECTIVES</b>	
The M. Sc Mathematics curriculum is dedicated to preparing students for productive careers after 3-5 years of graduation.	
<b>PEO1:</b>	Apply their knowledge in modern industry or teaching, or secure acceptance in highquality graduate programs in mathematics.
<b>PEO2:</b>	Development in their chosen profession and/or progress toward an advanced degree
<b>PEO3:</b>	The trust and respect of others as effective and ethical team members.
<b>PEO4:</b>	Graduates will become effective collaborators and innovators, leading or participating in efforts to address social, technical and business challenges.
<b>PEO5:</b>	Promote the culture of interdisciplinary research among all disciplines and applied mathematics.

<b>PROGRAMME OUTCOMES</b>	
<b>PO1:</b>	Inculcate critical thinking to carry out scientific investigation objectively without being biased with preconceived notions.
<b>PO2:</b>	Equip the student with skills to analyze problems, formulate a hypothesis, evaluate and validate results, and draw reasonable conclusions thereof.
<b>PO3:</b>	Prepare students for pursuing research or careers in industry in mathematical sciences and allied fields
<b>PO4:</b>	Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in mathematical sciences.
<b>PO5:</b>	Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges.

<b>PROGRAMME SPECIFIC OUTCOMES</b>	
<b>PSO1:</b>	Understanding of the fundamental axioms in mathematics and capability of developing ideas based on them.
<b>PSO2:</b>	Prepare and motivate students for research studies in mathematics and related fields.
<b>PSO3:</b>	Provide advanced knowledge on topics in pure mathematics, empowering the students to pursue higher degrees at reputed academic institutions.
<b>PSO4:</b>	Nurture problem solving skills, thinking, creativity through assignments, project work.
<b>PSO5:</b>	Assist students in preparing (personal guidance, books) for competitive exams e.g. NET, GATE, etc.