

## Mission, Goals, and Program Learning Outcomes of M Sc Mathematics

### 1. Program Mission:

To produce competent postgraduates who can disseminate their mathematical knowledge and understanding and serve the job market and community by providing a stimulating academic and research environment

### 2. Program Goals:

1. Providing in-depth knowledge of advanced mathematical theories and its applications
2. Preparing postgraduates who can conduct research or undertake professional projects in the field of mathematics.
3. Producing Postgraduates who can disseminate their mathematical knowledge in various forms.
4. Preparing the students to serve the community by pursuing a career in the field of mathematics and related fields.

### 3. Program Learning Outcomes:\*

#### Knowledge and Understanding:

K1	Demonstrate understanding of advanced Mathematical concepts, Principles and theories and their applications
K2	Describe various definitions and theorems and identify the underlying mathematical concepts.
K3	Identifying relevant research problems in the field of mathematics and describe suitable algorithms.

#### Skills:

S1	Apply appropriate theories, principles and concepts to solve mathematical problems using various techniques.
S2	Carryout research in the field of mathematics.
S3	Exhibit oral and written scientific or technical communication skills.

#### Values, Autonomy, and Responsibility:

V1	Work effectively exhibiting integrity and professional value to the assigned task.
V2	Conducting scholarly or professional activities in an ethical manner

