

# STRUCTURE OF THE PROGRAMME

## Y12 and Earlier Batches

### YEAR I

#### SEMESTER I

MTH 201  
Linear Algebra

MTH 301  
Analysis-I

MTH 409  
Computer Prog. & Data Structures

MTH 423  
Introduction to Continuum  
Mechanics

MTH 428  
Mathematical Methods

#### SEMESTER II

MTH 204  
Algebra-I

MTH 304  
Topology

MTH 308  
Principles of Numerical  
Computations

MTH 404  
Analysis-II

ESO 209  
Probability & Statistics

#### SEMESTER III

MTH 403 Complex Analysis

MTH 405  
Functional Analysis

MTH 421  
Ordinary Differential equations

DE - I  
Departmental Elective

OE - I  
Open Elective

### YEAR II

#### SEMESTER IV

MTH 306  
Linear programming & Extensions

MTH 424  
Partial Differential Equations

DE - II  
Departmental Elective

OE - II  
Open Elective

MTH 598 Project  
DE - III Departmental Elective