

B.Sc. MATHEMATICS (CA)

Program Educational Objectives (PEOs)	
The B.Sc. Mathematics (CA) programme describe accomplishments that graduates are expected to attain within five to seven years after graduation	
PEO1	Acquire knowledge in functional areas of Mathematics and apply in all the fields of learning
PEO2	Recognise the need for lifelong learning and demonstrate the ability to explore some mathematical content independently
PEO3	Employ mathematical ideas encompassing logical reasoning, analytical, numerical ability, theoretical skills to model real-world problems and solve them
PEO4	Develop critical thinking, creative thinking, self confidence for eventual success in career.
PEO5	Analyze, interpret solutions and to enhance their Entrepreneurial skills, Managerial skills and leadership.
PEO6	To prepare the students to communicate mathematical ideas effectively and develop their ability to collaborate both intellectually and creatively in diverse contexts.
PEO7	Rewarding careers in Education, Industry, Banks, MNCs and pursue higher studies.

Program Specific Outcomes (PSO)	
After the successful completion of B.Sc. Mathematics (CA) programme, the students are expected to	
PSO1	Maintain a core of mathematical and technical knowledge that is adaptable to changing technologies and provides a solid foundation for extended learning
PSO2	Identify the applications of Mathematics in other disciplines and society.
PSO3	Develop an in-depth knowledge in Mathematics appreciating the connections between theory and its applications
PSO4	Demonstrate their mathematical modeling ability, problem solving skills, creative talent and power of communication necessary for various kinds of employment
PSO5	Develop mathematical aptitude and the ability to think abstractly
PSO6	Learn independently and improve ones performance.
PSO7	Students are equipped to appear competitive examinations.

Program Outcomes (POs)	
On successful completion of the B.Sc. Mathematics(CA) programme	
PO1	Students are empowered with analytical and logical skills to formulate results and construct mathematical argument.
PO2	Ability to organize, analyze and interpret data accurately in both academic and non - academic context.
PO3	Demonstrate effective communication of mathematical ideas and creative thinking skills to facilitate solving real world problems as a team and independently.

PO4	Appreciate and identify the connections between mathematics and other disciplines.
PO5	Competency to obtain employment in education, public and private sectors
PO6	Identify the area of interest for extended learning from the understanding gained from the domain and allied areas of Mathematics.
PO7	Develop mathematical aptitude, programming skills and make critical observations.
PO8	Garner innovative ideas to face global challenges.
PO9	Instill a sense of responsibility in tackling professional and social issues ethically
PO10	Trigger their passion for research in unexplored areas of Mathematics.