

Program Outcomes (POs)

B. Sc. Mathematics (H)

- PO-1. *Disciplinary knowledge:*** Capability to acquire deep knowledge of several branches of mathematics and other areas like computer science, physics, chemistry, biology, etc., and demonstrate them.
- PO-2. *Communication Skills:*** Ability to communicate mathematics effectively by written, computational and graphic means.
- PO-3. *Critical thinking:*** Capable to critically analyse the several mathematical theories and to apply those theories to solve theoretical and applied problems by critical understanding, analysis and synthesis.
- PO-4. *Reflective thinking:*** Able to develop the skill for thinking critically on abstract concepts of mathematics, and to provides a systematic understanding of the concepts and theories of mathematical along with their applications in the real world scenario.
- PO-5. *Problem solving:*** Students undergoing this programme learn to analyse the situation, make a mathematical problem and find its solution.
- PO-6. *Analytical reasoning:*** The learners would be capable to analyse and synthesise theories and mathematical data for drawing valid conclusions so that they can be utilized in modelling and solving real life problems.
- PO-7. *Research-related skills:*** Capable to ask relevant and appropriate questions, define problems, formulate hypotheses, describe mathematical ideas from several perspectives, and explain the fundamental concepts of mathematics to non-mathematicians.
- PO-8. *Scientific reasoning:*** Able to critically evaluate ideas by analysing and interpreting various mathematical data to draw conclusions from an open-minded and logical viewpoint.
- PO-9. *Information/digital literacy:*** Capable to use ICT for demonstrating several mathematical ideas through suitable software for analysing mathematical data.
- PO-10. *Proficiency in Employments:*** This programme will help students to enhance their employability for several jobs like Government jobs, jobs in banking sectors, data analysis, jobs in various other public and private enterprises, etc.