

**Program Educational Objectives (PEO):**

**PEO 1: Mathematical knowledge.** Apply the fundamental concepts of Mathematics to think logically and technically.

**PEO 2: Problem-solving skills.** Discover the Mathematical and Computational Techniques to solve the problems.

**PEO 3: Industry Collaboration.** Discuss the multidisciplinary knowledge through projects and industrial training and providing a sustainable competitive edge in meeting the industry needs.

**PEO 4: Employability Skill:** Perceive to become an eminent Mathematician with Excellent Employability and Research Skill.

**PROGRAMME OUTCOME(Pos):**

By the end of the programme, the students will be able to

**PO1:** Understand the foundations of mathematics

**PO2:** Be able to perform basic computations in higher mathematics

**PO3:** Be able to read and understand middle-level proofs

**PO4:** Be able to write and understand basic proofs

**PO5:** Develop and maintain problem-solving skills

**PO6:** Use mathematical ideas to model real-world problems

**PO7:** Be able to communicate mathematical ideas with others

**PO8:** Have experience using technology to address mathematical ideas.

### **PROGRAMME SPECIFIC OUTCOME(PSOs)**

**PSO1:** A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations , terminology.

**PSO2:** A student should get adequate exposure to global and local concerns that explore them many aspects of mathematical sciences.

**PSO3 :** Student is equipped with mathematical modeling ability, problem solving skills, creative talent and power of communication necessary for various kinds of employment.

**PSO4:** Student should be able to apply their skills and knowledge that is translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.

**PSO5:** Enabling students to develop a positive attitude towards mathematics as an interesting and valuable subject of study.