

Program Learning Outcomes (PLO) in BA Mathematics

- [PLO-01] : Being devoted to God Almighty, upholding integrity, and demonstrating an awareness of moral values and professional ethics in the context of national and civic life
- [PLO-02] : Able to master the fundamental principles of their field of expertise to analyze problems, make well-informed decisions, and conduct evaluations, both independently and in group settings
- [PLO-03] : Able to apply logical, critical, systematic, and innovative thinking to solve simple practical problems and advance scientific knowledge using methods aligned with their area of expertise, resulting in solutions, ideas, and scientific publications.
- [PLO-04] : Able to master fundamental concepts of pure mathematics, basic applied mathematics, and foundational programming skills that support the learning and research of mathematics.
- [PLO-05] : Mastering mathematical modeling to address problems, particularly those related to natural phenomena and environmental conservation efforts.
- [PLO-06] : Able to develop mathematical thinking, starting from procedural/computational understanding to a broader comprehension that includes exploration, logical reasoning, generalization, abstraction, and formal proof.
- [PLO-07] : Able to observe, identify, formulate, and solve problems using mathematical approaches, with or without the aid of software tools
- [PLO-08] : Able to reconstruct, modify, and analyze/think in a structured manner regarding mathematical problems arising from a phenomenon, evaluate accuracy, and interpret as well as communicate clearly and accurately, both orally and in writing.
- [PLO-09] : Capable of independently or collaboratively utilizing various available mathematical problem-solving alternatives to make informed decisions
- [PLO-10] : Demonstrates the ability to adapt or develop oneself in both mathematical fields and other relevant areas, including those related to their professional domain