



Bachelor of Science (Honours) Applied Mathematics With Computing

Vision

To be a global university of educational excellence with transformative societal impact

Mission

Universal values in our beliefs

Tenacity in overcoming challenges

Agility in facing new frontiers

Responsibility in pursuit of excellence

Programme Educational Objectives

PEO 1: Graduates who are competent in problem solving in a variety of industries using Mathematical and Computational methods.

PEO 2: Graduates who are capable of taking management roles and communicating effectively with other players in their industries.

PEO 3: Graduates who continuously practice professional ethics, life-long learning, and sustainable development in their profession for the betterment of the society.

Programme Outcomes

PO1: Knowledge	Demonstrate logical thinking and knowledge of mathematical concepts, both explicitly and by applying them to problem solving.
PO2: Practical skills	Demonstrate skill in utilizing modern software applications for mathematical computation, modelling, simulations, and statistical analysis.
PO3: Social skills and responsibilities	Relate the importance of ethics, culture, economics, and human relationships; as well as apply these factors in mathematics related disciplines.
PO4: Values, attitudes and professionalism	Demonstrate the ability to keep ethical standards and to show and commit oneself to professional responsibilities.
PO5: Communication, leadership and team skills	Demonstrate the ability to communicate effectively with individuals from different backgrounds, as well as demonstrate the ability to work in a diverse team as a valued member or as an effective leader.
PO6: Problem solving and scientific skills	Demonstrate skill in abstracting the essentials of problems, formulating them mathematically and obtaining solutions by appropriate methods.
PO7: Information management and life-long learning skills	Demonstrate the ability to engage in life-long self-development and self-learning.
PO8: Managerial and entrepreneurial skills	Acquire skills, including soft skills, to plan, conduct, and manage projects and assignments independently.