

Introduction

Bioinformatics is a field of interdisciplinary study at the interface of biology and information technology. In such, Bioinformatics brings together molecular biology with areas from statistics, mathematics, and computer science. Bioinformatics uses statistical methods and advancement of biological methods, algorithms, computational and statistical techniques, and theory to solve formal and practical problems arising from the management and analysis of biological data. Considering the interdisciplinary nature of Bioinformatics, the course programme shall have a major component from related subjects under the umbrella.

Objectives

The overall objective of the programme is to provide quality education to the graduates who want to pursue education in the area of bioinformatics and computational biology.

- To serve as a model guide for Bioinformatics and its applications
- To provide industry knowledge to the students for research projects
- To enable student responses to solve biological problems utilizing computational approaches

Outcomes

- Students completing the course can efficiently provide bioinformatics solutions for biological research
- To solve problems arising with various computational algorithms
- Perform biological research utilizing computational approaches

Target Group and Eligibility

Bachelor's degree in Biological Science/ Agricultural Science/ Pharmaceutical Science/ Veterinary Science/ Medical Science/ Mathematical Physics/ Chemistry/ Computer Science/ Information Technology or Equivalent B.Sc. (BEd) with 50% marks for General/BC/ PwD candidates and 55% marks for OBC/BC/PwD candidates from any recognized university.