



Online Certificate Course in Bioinformatics (Level 0)

Organized by Bioinformatics Centre, St. Edmund's College, Shillong

Introduction

Bioinformatics is the study of information content and information flow in biological systems and processes. It has evolved to serve as the bridge between observations (data) in diverse biologically-related disciplines and the derivations of understanding (information) about how the systems or processes function, and subsequently the application (knowledge). It is an interdisciplinary field which brings in the field of biology, ecology, evolutionary biology, computer science, mathematics, statistics etc under the same roof. Bioinformatics is essential for management as well as analyses and interpretation of data in both modern biology and medicine. It is a thriving field that is currently in the forefront of science and technology and currently a hot commodity that will be beneficial to students, researchers, scientists etc. with regard to employment demand in government, the private sector, and academia.

Objectives

- ❖ Compare and contrast different study designs for specific applications in bioinformatics research and explain the strengths and limitations of each.
- ❖ Analyze and interpret data, collection data mining etc.
- ❖ Identify sources and implications of bias and confounding in bioinformatics research and strategies to reduce their impact on research findings.
- ❖ To initiate research activities in bioinformatics through the various algorithms.

Target Participants

The course is open to only 5th Semester Students of Science Departments of the College.

Course Fees

Registration Fees

₹ 500/- (Five Hundred Only)

Payments to be made only after being selected for the course.

Course Content

Content	Hours
Module I	10
Computer Informatics	
Module II	10
Introduction to Database	
Module III	10
Introduction to Bioinformatics	

Mode

Online using Linways (www.stedmunds.in)

Contact info

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Assessments

Upon completion of each module (Contact hours of 10) each participant has to participate in a question & answer series based on multiple choice which will be conducted online. The results will be shared and necessary feedback will be analyzed.

How to Apply

[Click Here for Registration](#)

Important Dates

Registration Opens	11 th February, 2021
Registration Closes	20 th February, 2021
Commencement of the Course	1 st March, 2021
Timings	5:00 PM – 7:00 PM
Module I	1 st – 7 th March, 2021
Module II	8 th – 14 th March, 2021
Module III	15 th – 21 st March, 2021

***Kindly note all correspondence will be through email only