

Activity Report

Workshop on Bioinformatics, Phylogenetics, and BLAST Tool at Biyani College

Date: 12th October 2022

Venue: Computer Lab, Biyani College, Amravati

Participants: 45 students (B.Sc. Biotechnology)

The **P.G. Department of Bioinformatics** conducted a **workshop on Bioinformatics, Phylogenetics, and BLAST Tool** at **Biyani College, Amravati**, on 12th October 2022. The workshop was led by:

- **Mr. Shyam Ingle** (Faculty, P.G. Department of Bioinformatics)
- M.Sc. students: **Shubham Kurwade, Shubham Gaykwad, Darshan Ingle, and Swapnil Rathod**

The workshop aimed to introduce undergraduate students to fundamental bioinformatics tools used in **molecular biology, sequence analysis, and phylogenetics**. The session covered:

- **Introduction to Bioinformatics** and its applications
- **Phylogenetics and evolutionary analysis**
- **BLAST tool (Basic Local Alignment Search Tool)** for sequence comparison

Students were provided with **hands-on training** in computational tools, allowing them to analyze DNA/protein sequences and construct **phylogenetic trees**. The interactive nature of the workshop encouraged students to **ask questions, engage in discussions, and perform real-time bioinformatics analyses**.

The session received positive feedback from students and faculty, emphasizing the **importance of computational biology skills in modern biological research**.

Coordinator
P. G. Department of Bioinformatics