



The Oxford College of Science

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Supported by DST GoI under FIST program, Supported by DBT GoI under DBT-STAR College

DEPARTMENT OF BIOTECHNOLOGY

SL.NO	DETAILS OF THE EVENT	
1.	Title Of The Event	“Pioneering of DNA and Protein structures using Bioinformatics”
2	Day and Date	Tuesday, 29 th April 2025
3	Venue	HP Lab , 2nd Floor , The Oxford College of Science
4	Organizing Secretary/ Co-Coordinators	MAMATHA J
5	Participants	B.Sc. VI SEMESTER BIOTECHNOLOGY STUDENTS
6	No of students and staff present	47 Students participated



Discussion of databases- NCBI, UniProt



Oral feedback was given by Ms.Dharanipriya

The enrichment program was conducted for 6th Semester B.Sc Biotechnology students on 29th April 2025. Around 47 students were registered for the Enrichment program. This program was Organized by “The Oxford College of Biotechnologist’s Society” (TOCBS), Department of Biotechnology to aid the students for higher level than in a typical classroom setting. The enrichment program is entitled “Pioneering of DNA and Protein structures using Bioinformatics”. The objective of the program is to understand the basic concept and retrieval of the database such as nucleotide (NCBI) and protein (UniprotKB) database, to explore with various computational tools for analyzing, homologous sequence using BLAST and conserved sequence using CLUSTAL Omega and to find out the gene prediction using the open read frame- ORF. At the end of the enrichment session, students submitted feedback on the same. It was analysed and found that they were able to explore the database which are available from the NCBI, UniprotKB databases and further using the tools for various applications. From this we conclude that the learning outcome was effective by retrieving information from large databases and to use this information in computational modelling, problem-solving skills was discussed.

Coordinator

Head

Principal