



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR (M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT

DEPARTMENT OF BIOTECHNOLOGY

EXPERT TALK ON BIOINFORMATICS

2022-23

Bioinformatics is an interdisciplinary field that develops methods and software tools for understanding biological data, in particular when the data sets are large and complex. Keeping in view the importance of these tools, the Department of Biotechnology organized two day online expert talk on **Bioinformatics** on 27-28 Feb 2022-23 from 7:00pm-8:00pm.

The distinguished speaker of the program was **Ms. K.Srividya ,Project Research scholar, CSIR. CCMB, Hyderabad**. She enlightens the importance and utility of bioinformatics in genomics and genetics, particularly those area of genomics involving large-scale DNA sequencing. She also discussed about the creation and advancement of databases, algorithms, computational and statistical techniques and practical problems in analysis of biological data. The speaker gave the detail explanation about BLAST, NCBI, Primer designing and its usage.

She concluded with the ultimate goal of Bioinformatics is to uncover the wealth of biological information hidden in the mass of sequence, structure, literature and obtain a clear insight of the fundamental biology of the organisms and use this information to enhance the standard of life for mankind.

About 50 students participated in the talk. The program was concluded with a vote of thanks by Ms Aashi Vishwakarma, MSc II sem and Ms.Mansi Dubey, BSc III year, Dept. of Biotechnology. The program was successfully conducted by kind cooperation of faculty members Dr. L. K Pandey, HOD, Department of Biotechnology Mr. Enosh Philips, Mr. Nitin Swamy, Dr. Rumana Faraz and Dr Anisha Rupashree.



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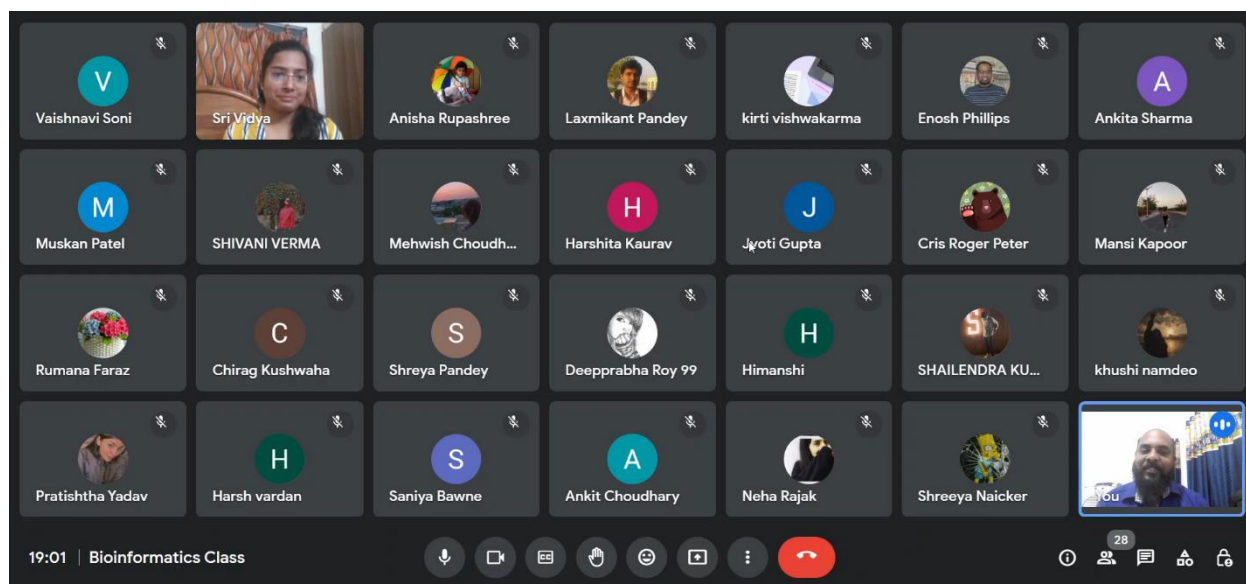


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Sri Vidya is presenting

Google Meet interface showing a presentation on sequence alignment. The presentation includes slides on Pairwise Alignment, Local Alignment, Global Alignment, and Multiple Sequence Alignment (MSA). The meeting interface at the bottom shows a timer at 20:12 and the username 'uxd-hbff-tjt'.

Sri Vidya is presenting

NCBI Entrez Molecular Sequence Database System

BLAST Basic Local Alignment Search Tool

Program	Query sequence type	Target sequence type
BLASTP	Protein	Protein
BLASTN	Nucleotide	Nucleotide
BLASTX	Nucleotide (translated)	Protein
TBLASTN	Protein	Nucleotide (translated)
TBLASTX	Nucleotide (translated)	Nucleotide (translated)

19:16 | Bioinformatics Class



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HEAD
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St. Aloysius (Autonomous) College
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