

## REPORT OF THE PROGRAMME CONDUCTED



Dept. of  
Sree Sankara College Kalady

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Title of the activity	ADD-ON course programme on “Bioinformatics and Drug Designing
Date and Time	19/12/2022
Resource person	
Nature of activity	
Type of Activity	,
Linkage Activity	
Convener	
Number of participants	0

The department of Biotechnology offers an ADD-ON course programme on “Bioinformatics and Drug Designing”. Through this scheme, the department aims at imparting crucial job skills to the students through various certificate programmes, thus enabling them to acquire an additional certificate along with their degree certificates. Students can pursue these certificate programmes along with their regular Degree programmes.

Bioinformatics is an emerging branch of biological science that emerged from the combination of both biology and information technology. It is an interdisciplinary field of study that uses Biology, Chemistry, Mathematics, Statistics, and Computer Science that have merged to form a single discipline. This sector is mainly involved in analyzing biological data, and developing new software using biological tools.

### Application of Bioinformatics

#### Report of the activity

Bioinformatics is mainly used to extract knowledge from biological data through the development of algorithms and software, analysis, collection, classification, manipulation, recovery, storage and visualization of all biological information using computation technology.

Bioinformatics is widely applied in the examination of Genomics, Proteomics, 3D structure modelling of Proteins, Image analysis, Drug designing and a lot more. A significant application of bioinformatics can be found in the fields of precision and preventive medicines, which are mainly focused on developing measures to prevent, control and cure dreadful infectious diseases.

The main aim of Bioinformatics is to increase the understanding of biological processes.

#### Outcome of the activity

**INAUGURATION BY**



**PRINCIPAL  
DR. PREETHI NAIR**  
SREE SANKARA COLLEGE,  
KALADY.

WHAT YOU WILL GAIN FROM THIS PROGRAMME:

- A FOUNDATION IN THE BIOLOGICAL AND COMPUTATIONAL CONCEPTS CENTRAL TO BIOINFORMATICS.
- AN UNDERSTANDING OF THE ORIGIN OF BIOLOGICAL DATA AS WELL AS HOW TO MANIPULATE THEM AND DETERMINE THEIR QUALITY.
- EXPERIENCE PRIORITISING EFFECTIVE BIOLOGICAL DATABASE SEARCHES AND ANALYSES.



**DEPARTMENT OF BIOTECHNOLOGY**

**CORDIALLY INVITES YOU TO THE INAUGURATION OF ADD-ON COURSE PROGRAMME ON BIOINFORMATICS AND DRUG DESIGNING**

**VENUE - MINI SEMINAR HALL, (SF BLOCK - GROUND FLOOR), SREE SANKARA COLLEGE, KALADY.**

**TIME: 10.30 AM**  
**DATE: 20TH DECEMBER 2022, TUESDAY**

**WE SOLICIT YOUR GRACIOUS PRESENCE AT THIS AUSPICIOUS EVENT.**

**GUEST OF HONOUR**



**MR. VIVAS SALIM**  
ASSISTANT PROFESSOR  
DEPARTMENT OF BIOSCIENCES  
MES COLLEGE, MARAMPALLY

**PROGRAM CO-ORDINATORS**

- MRS. SEJAYALAKSHMI K V
- DR. RENUSHA MATHAN
- MISS. JEENA SUSAN JOSEPH

**FOR MORE DETAILS PLEASE CONTACT : +91- 9961518907**