

# SWAMI RAMA HIMALAYAN UNIVERSITY

Swami Ram Nagar, Jolly Grant,  
Uttarakhand 248016

## BIOINFORMATICS CLUB (Academic & Professional Development Clubs)

### Introduction

The **Bioinformatics Club** is a collaborative platform for students of **Biotechnology, Microbiology, Biochemistry, Data Science, and Clinical Research** to explore the fusion of biology and computational science. The club fosters hands-on learning in genomics, molecular modelling, and data analytics, empowering members to solve real-world problems in research, medicine, and biotechnology using cutting-edge bioinformatics tools.

### 2. Objectives

The objectives of the Club are:

- Promote interdisciplinary learning by integrating biology, computing, and data science.
- Enhance practical skills in genomics, molecular modeling, and bioinformatics tools.
- Encourage research and innovation in healthcare, biotechnology, and biomedical sciences.
- Provide hands-on training in data analysis, coding, and computational biology.
- Facilitate collaboration among students, researchers, and industry experts.

### 3. Club Committee

The Club shall be governed by a committee comprising the following members:

Composition	Roles
Dr Kumar Sachin	Chairperson
Dr Vijay Kumar	Treasurer
Dr Akhilesh Kumar	Member Secretary
Mr Aditya Jaiswal	Student Coordinator

### Students Detail

S.No.	Student Name	Registration No.	Enrollment No.	Programme Name
1	Aditya Jaiswal	DD23106301004	SRHU23000799	B.Sc. Hons. Biotechnology
2	Ajeet Negi	DD23106301005	SRHU23000800	B.Sc. Hons. Biotechnology
3	Aditi Bisht	DD23106302001	SRHU23000842	B.Sc. Hons. Microbiology
4	Manashvi Pal	DD23106302014	SRHU23000855	B.Sc. Hons. Microbiology
5	Tanushka	DD23106302028	SRHU23000869	B.Sc. Hons. Microbiology
6	Mudity	DD23106502004	SRHU20000403	M.Sc. Biotechnology
7	Prakriti Negi	DD23106502007	SRHU23000875	M.Sc. Biotechnology
8	Yogya Pant	DD23106503011	SRHU23000890	M.Sc. Microbiology
9	Aditya Rawat	DD22111301002	SRHU22000335	B.Tech. Computer Science
10	Aman Rayal	DD22111301005	SRHU22000338	B.Tech. Computer Science
11	Amisha	DD22111301006	SRHU22000339	B.Tech. Computer Science

12	Anshika Dobhal	DD22111301007	SRHU22000340	B.Tech. Computer Science
13	Anshul Rawat	DD22111301009	SRHU22000342	B.Tech. Computer Science
14	Anuroop Sindhwal	DD231109301001	NA	B.Pharm.
15	Ashish Dobhal	DD231109301002	NA	B.Pharm.

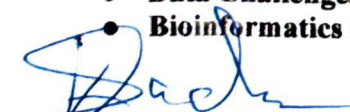
\*Note Preferred roles in the clubs is defined by Club coordinator

#### 4. Terms and Conditions

Sr. No.	Clause	Details
1.	<b>Quorum</b>	50% of the total members
2.	<b>Tenure of the Club</b>	Perpetual
3.	<b>Tenure of the Chairperson</b>	3 years
4.	<b>Tenure of the Members</b>	2-3 years
5.	<b>Frequency of Meetings</b>	<i>Preferably once per quarter.</i>
6.	<b>Meeting Notice and Agenda</b>	The member secretary with prior approval of Chairperson shall circulate the Meeting Notice and Agenda to all the members at least seven (7) working days prior to date of the meeting.
7.	<b>Minutes of the Meeting</b>	The Secretary records the minutes, which are signed by the Chairperson and Secretary. A signed copy is forwarded to members within three (3) working days of the meeting.
8.	<b>Duties and function</b>	(a) Planning and helping manage events at the University level in accordance with the spirit and ethos of the institute. (b) Promoting and arranging club activities to bring out the talents of students in the performing the activities. (c) To plan and organize competitions at the University, Regional and State Level.
9.	<b>Funding and Resources</b>	a. Institutional budget allocation b. Donations and sponsorships
10.	<b>Amendments</b>	Any amendment to this club must be proposed in writing and approved by a two-thirds majority of the Club Committee.
11.	<b>Dissolution</b>	In the event of dissolution, the assets and liabilities of the Club shall be transferred to the Swami Rama Himalayan University.

#### 5. Services Offered (Suggested Activities .... can be added more activities)

- **Software Tutorials** – Learn tools like R, Python, Bioconductor, and molecular viewers.
- **Journal Club** – Discuss recent research in bioinformatics and computational biology.
- **Collaborative Projects** – Work with faculty on real research initiatives.
- **Data Challenges** – Analyse genomic or proteomic datasets in teams.
- **Bioinformatics Quiz** – Test knowledge of tools, terms, and key concepts.

  
 Sign. of Chairperson  
 Chairperson  
 Bioinformatics club  
 Swami Rama Himalayan University

  
 Sign. of Treasurer

  
 Sign. of Member Secretary

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## NOTICE

### BIOINFORMATICS CLUB

*(Academic & Professional Development Clubs)*

SRHU/APDC/BIC/2024/01

11<sup>th</sup> October 2024

This is to inform all students of the Himalayan School of Science & Technology (HSST) that a Bioinformatics Workshop & Training Session will be organized on **18<sup>th</sup> October 2024**. The event aims to introduce students to bioinformatics tools, databases, and computational methods for biological research, enhancing their research and analytical skills.

#### Details of the Event:

- Event : Bioinformatics Workshop & Training Session
- Date : 18th October 2024
- Time : 3:00 PM-3:30PM onwards
- Venue : B.C. Roy Auditorium
- Organized by : Bioinformatics Club, SRHU
- Eligibility : All students interested in computational biology, data analysis, and research

All interested students are requested to register their names with the Club Coordinator or Class Representative by 17th October 2024. Attendance of registered club members is mandatory. For further details and workshop materials, please contact the Club Coordinator – HSST.

#### Explore, Analyze, and Innovate with Bioinformatics!

processes. Attendance of registered club members is **mandatory**.

For further information, please contact the **Club Coordinator** or respective **Batch Representatives**.

*Inquire, Investigate, and Innovate!*

Copy to:-

Hon'ble President

Hon'ble Vice Chancellor

Director General (Academic Development)

Pro-Vice Chancellor

Registrar

Deans/Heads of the Constituent Academic Departments

Finance Officer



*for kind information please*

  
**Chairperson**  
**Chairperson**  
**Bioinformatics Club**  
**Swami Rama Himalayan University**

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## REPORT

**Organized by** : Bioinformatics Club, Swami Rama Himalayan University  
**Date** : 18<sup>th</sup> October 2024  
**Venue** : B.C. Roy Auditorium  
**Time** : 3:00 PM – 3:30 PM

The Bioinformatics Club, *Swami Rama Himalayan University*, successfully organized a special session on Bioinformatics titled “Genome-based Analyses” on 18<sup>th</sup> October 2024 from 10:00 AM to 01:00 PM at the Bioinformatics Laboratory. The session was conducted by Dr. Kumar Sachin, *Associate Professor, School of Biosciences*, and was aimed at introducing students and research scholars to the fundamental concepts, tools, and practical applications of bioinformatics in genomic studies.

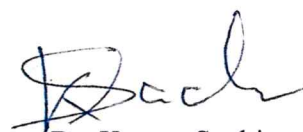
The primary objective of the session was to familiarize participants with modern computational tools and analytical approaches used in the study of nucleic acids and proteins. The session was designed to be interactive and application-oriented, comprising an initial one-hour lecture followed by a detailed hands-on workshop.

During the theoretical segment, Dr. Kumar Sachin provided an overview of bioinformatics principles, emphasizing the significance of genome-based research in modern biological sciences. He explained how computational methods assist in the analysis, comparison, and interpretation of complex biological data, helping researchers in areas such as evolutionary studies, genetic variation, and molecular diagnostics.

In the hands-on practical session, participants explored various bioinformatics tools available through the NCBI Toolkit. They learned techniques for genome analysis, sequence comparison, mutation **detection**, and data interpretation. The training helped students understand how to perform sequence alignments and identify variations within genomic datasets.

A total of 25 participants, including undergraduate and postgraduate students as well as research **scholars**, attended the session. The participants actively engaged in the exercises and gained valuable exposure to bioinformatics workflows and real-world applications.

The workshop concluded with a brief discussion on the future scope of bioinformatics and its interdisciplinary relevance across molecular biology, biotechnology, and data science. Participants expressed appreciation for the practical insights and the opportunity to gain hands-on experience with genome analysis tools.



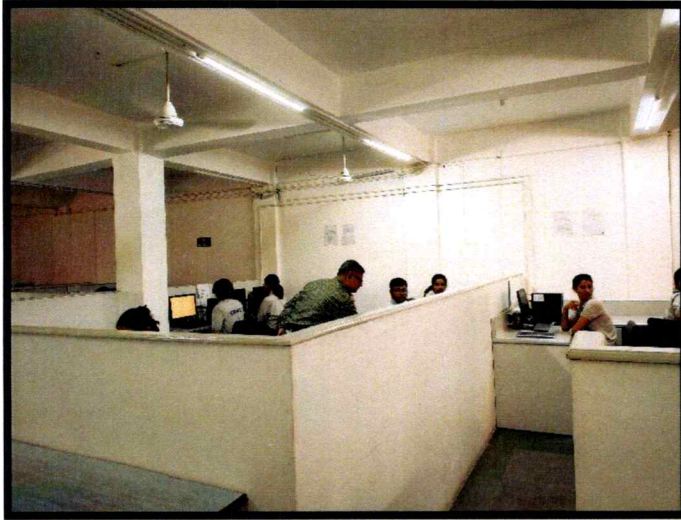
Dr. Kumar Sachin  
Chairperson

Chairperson  
Bioinformatics Club  
Swami Rama Himalayan University

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## EVENT HIGHLIGHT



A handwritten signature in black ink, appearing to read 'Sachin', with a stylized flourish at the end.

Dr. Kumar Sachin  
Chairperson

Chairperson  
Bioinformatics Club  
Swami Rama Himalayan University