

REPORT

on

Outreach Activity

at

Sigma School of Science

Rampur Bushahr, Shimla, Himachal Pradesh



on

5 February, 2026

by

Department of Biotechnology and Bioinformatics

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An educational outreach programme was conducted at **Sigma School of Science** by **Prof. (Dr.) Rahul Shrivastava, Department of Biotechnology and Bioinformatics** on **5 February 2026**.

Introduction

Educational outreach programmes are important mechanisms for connecting academic institutions with school communities and promoting awareness about higher education opportunities. Such initiatives provide students with valuable exposure to emerging academic disciplines, professional careers, and the broader significance of education in personal and societal development.

The outreach programme at Sigma School of Science was organized to encourage students to explore academic possibilities beyond school education and to develop a better understanding of career planning.

Objectives

The primary objectives of the programme were:

- To create awareness about emerging academic disciplines and professional opportunities.
- To guide students in understanding educational pathways after school education.
- To encourage skill development and critical thinking.
- To motivate students to set realistic academic goals and pursue them with dedication.

Programme Highlights

About 40 students of Class XII (Medical and Non-medical streams) participated in the event. The session began with an introduction to the importance of academic planning and the role of education in shaping future careers. Students were encouraged to reflect on their interests and identify subjects that inspire curiosity and engagement.

A comprehensive overview of **scientific and technological fields** was presented, highlighting disciplines such as biotechnology, environmental science, biomedical research, and engineering. The discussion emphasized the increasing relevance of these fields in addressing contemporary challenges and advancing innovation.

Students were also informed about **higher education opportunities** and the pathways available after completing school education. Guidance was provided on selecting academic streams, preparing for competitive examinations, and exploring undergraduate programmes in science and technology.



The programme further emphasized the role of **skill development** in achieving success in academic and professional contexts. Students were encouraged to develop analytical thinking, communication skills, teamwork, and creativity.

Student Engagement

The interactive segment of the programme enabled students to ask questions related to career options, academic preparation, and emerging fields of study. The students participated enthusiastically and demonstrated a strong interest in exploring new areas of knowledge.

The discussion created a positive and engaging learning environment, enabling students to gain clarity regarding their academic aspirations.

Outcome and Conclusion

The outreach activity proved to be a successful initiative in promoting awareness about academic opportunities and career planning among school students. The programme encouraged students to think critically about their future educational pathways and to develop a proactive approach toward achieving their goals.

Overall, the outreach programme at Sigma School of Science provided a valuable platform for academic engagement and career guidance, contributing positively to the educational development of the participating students.





