REPORT ON EDUCATIONAL VISIT TO THE UNIVERSITY OF KASHMIR

Department of Biotechnology | Educational Visit | 14 September 2026

Date of Visit	14 September 2026
Venue	University of Kashmir, Srinagar
Department	Department of Biotechnology
Students	5th Semester Students
Accompanying Faculty	Dr Nazia Khurshid and Madhiya Manzoor
Purpose	Academic and practical exposure to biotechnology and bioinformatics

1. Introduction

The 5th semester students of the Department of Biotechnology visited the University of Kashmir, Srinagar, on 14 September 2026, accompanied by Dr Nazia Khurshid and Madhiya Manzoor. The visit aimed to provide practical exposure to modern laboratory facilities and introduce students to applications of biotechnology and bioinformatics.

2. Visit to the E-YUVA Centre

At the E-YUVA Centre, established with support from BIRAC, a professor introduced the students to key instruments used in biotechnology and molecular biology, including PCR, rotator, vortex mixer, biosafety cabinet, CO■ incubator, water bath and SDS-PAGE apparatus. Their basic principles, functions and applications were explained. Students also visited another laboratory and received an overview of cell culture techniques.

3. Lecture on Bioinformatics

The students attended a lecture by Dr Nadeem Nazir at the Department of Biotechnology. He introduced the basics of bioinformatics and discussed tools and resources used to analyse biological data. The session highlighted the role of computational methods in modern biological research.

4. Learning Outcomes

- Gained practical exposure to important biotechnology laboratory instruments.
- Learned the basic functions and applications of PCR, biosafety cabinets, CO■ incubators and SDS-PAGE equipment.
- Understood the basic requirements and applications of cell culture.
- Developed an understanding of bioinformatics and its role in biological research.
- Connected theoretical coursework with practical applications and research environments.

5. Conclusion

The educational visit was informative and enriching. The laboratory demonstrations and bioinformatics lecture strengthened students' understanding of biotechnology concepts and provided valuable exposure to university-level research facilities. The visit concluded with a group photograph of the students and faculty.

GROUP PHOTOGRAPH



5th semester students with accompanying faculty after the educational visit to the University of Kashmir.