



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
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(Established by H.P. State Legislature vide Act No. 14 of 2002)



Department of Biotechnology and Bioinformatics

Educational Visit of GSSS Totu to JUIT for Promoting Innovation, Creativity and Entrepreneurship

The Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology (JUIT), Wagnaghat, actively participated in an activity entitled “Field Visit and Idea Creation (Invite Ideas from Students)” under the DICE (Developing Innovation Culture & Entrepreneurship) initiative of the Government of India’s PM SHRI Scheme. The activity was organized on 29 September 2026 with the objective of providing school students with exposure to innovation, entrepreneurship, academic disciplines, research facilities, and emerging technologies.

A total of 50 students from PM SHRI Government Senior Secondary School of Excellence, Totu, Shimla, accompanied by their teachers, visited JUIT. The programme provided the students with an opportunity to interact with faculty members and university students and to explore the academic, research, innovation, and entrepreneurship ecosystem of the university.

The visit included a dedicated interaction with the Department of Biotechnology and Bioinformatics, where the visiting students were introduced to the scope and applications of biotechnology and bioinformatics in education, research, healthcare, agriculture, and innovation. Prof. Jata Shankar briefed the visiting students about the Department of Biotechnology and Bioinformatics, highlighting its academic programmes, research activities, laboratory facilities, and interdisciplinary areas of biotechnology and bioinformatics. The interaction helped students understand the relevance of biological sciences and computational approaches in addressing contemporary scientific and societal challenges.

Prof. Tiratha Raj Singh, Associate Dean (Innovation), delivered an expert lecture on innovation and entrepreneurship. He introduced students to the concepts of innovation, idea generation, problem identification, startup culture, and entrepreneurial thinking. The session encouraged students to think creatively and identify innovative solutions to problems around



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them. The lecture was complemented by discussions and demonstrations of innovative project ideas and emerging startup activities at JUIT.

The students were also given an opportunity to visit the Plant Tissue Culture (PTC) Laboratory and Greenhouse facility of the Department of Biotechnology and Bioinformatics. Dr. Hemant Sood demonstrated the facilities and briefed the students about the principles and applications of plant tissue culture, plant propagation, and greenhouse-based cultivation. The practical demonstration provided students with firsthand exposure to laboratory-based biotechnology and its potential applications in agriculture, plant science, and entrepreneurship.

The overall visit was coordinated by Dr. Raj Kumar, Assistant Professor (Senior Grade), Department of Biotechnology and Bioinformatics, who facilitated the participation of the school students, coordinated the departmental activities, and ensured the smooth conduct of the programme in coordination with the visiting school and JUIT faculty members.

