



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



REPORT ON WEBINAR

Forensic Science in the Digital Era: From DNA to Deepfakes

The Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology (JUIT), successfully organized an online expert lecture on **13 June 2026** through the Google Meet platform on the topic **“Forensic Science in the Digital Era: From DNA to Deepfakes.”**

The webinar featured **Dr. Rajesh Kumar Verma, Professor of Practice, Forensic Science, Department of Biotechnology & Bioinformatics, JUIT**, as the distinguished speaker. The event aimed to provide students and faculty members with insights into the rapidly evolving field of forensic science and its applications in the digital age.

Dr. Verma was warmly welcomed by **Prof. Hemant Sood, Prof. Jata Shankar, Head of the Department**, faculty members, students, and technical staff of the Department of Biotechnology and Bioinformatics. The session witnessed enthusiastic participation from undergraduate, postgraduate, and doctoral students, along with faculty members from various institutions.

During his lecture, Dr. Verma highlighted the growing importance of forensic science in modern investigations and discussed several emerging areas, including:

- DNA profiling and its applications in criminal investigations
- Advances in cyber forensics and digital evidence analysis
- Detection of deepfakes and authentication of videos using modern forensic tools
- Integration of artificial intelligence and machine learning in forensic investigations
- Current trends in forensic science education, research, and global career opportunities

The lecture provided participants with a comprehensive understanding of how forensic science is adapting to technological advancements and addressing challenges posed by digital crimes and misinformation. The interactive session encouraged students to explore interdisciplinary research opportunities at the interface of biotechnology, bioinformatics, and forensic science.



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