



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)



Outreach Activity at Government Polytechnic, Seobagh, Kullu 13th November, 2024

A team of three members which includes Prof. Tirtha Raj Singh (Biotechnology and Bioinformatics Department), Dr. Saurav (Civil Engineering Department) and Mr. Praveen Kumar (Admission Cell), visited Government Polytechnic, Seobagh, Kullu on 13th November, 2024. The team interacted with Principal and faculty members of the institute. Team also discussed about the various programs offered by JUIT for various engineering streams. After that Dr. Saurav delivered a talk on “Non-Destructive Testing of Concrete” as detailed below:

The event was attended by students and faculty from the Civil Engineering Department, who actively participated and engaged with the subject matter. The objective of the lecture was to provide students with a comprehensive understanding of modern techniques used in evaluating the quality and performance of concrete without causing damage. Dr. Saurav began the session by introducing the concept of Non-Destructive Testing (NDT) and its importance in ensuring the structural integrity and longevity of concrete structures. Key topics covered during the lecture included:

Overview of NDT Techniques:

Ultrasonic Pulse Velocity (UPV), Rebound Hammer Test, Ground Penetrating Radar (GPR), Penetration Resistance and Pull-Out Tests, Infrared Thermography

Dr. Saurav shared real-world examples where NDT techniques were successfully applied in infrastructure projects, emphasizing the relevance of these methods in the field. The interactive nature of the lecture allowed students to ask questions and discuss the practical implementation of these techniques. Dr. Saurav addressed queries regarding the challenges and limitations of NDT, providing valuable insights into its evolving role in civil engineering. The session concluded with a vote of thanks by the Head of the Civil Engineering Department at the polytechnic. Faculty and students expressed their gratitude to Dr. Saurav for delivering an informative and engaging lecture. This lecture not only enriched the knowledge of attendees but also inspired students to explore advanced methodologies in civil engineering, furthering their academic and professional pursuits.



