



**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)



Event Details-Expert Lecture organized by CED, JUIT Waknaghat

Expert lecture on underground tunneling

The IGS Shimla chapter in association with the Civil Engineering department, Jaypee University of Information Technology Waknaghat (HP) organized an online expert lecture in the field of underground tunneling technology on 28th March 2025, keeping in view the rising interest of both geotechnical and structural engineers in the topic. The details of the event are as follows:

Topic: Response of Reinforced Concrete Underground Tunnels under Impact Load of Varying Drop Height

Speaker: Dr. Senthil Kasilingam (Asst. Professor, CED, NIT Jalandhar)

Key Highlights:

The speaker of the event Dr. Senthil Kasilingam was invited by the Secretary of IGS Shimla chapter post a brief introduction of his expertise in the field. The lecture demonstrated the role of tunnel cross section in tackling the external loads with focus on the impact loading response of the tunnel in varying conditions of the field. There was a outstanding display of the required instrumentation and FEM modelling which could help in the load response of the modern tunnelling system under different overburden stresses and load drops of varying heights. The lecture sought insights into both the fields of geotechnical and structural engineering keeping the interest of the involved engineering community in the field of underground technology. The webinar session sought participation from 60 participants including academicians, field practitioners and research scholars working in the similar grounds. The post lecture session was marked with a detailed discussion about the recent trends and numerical modeling details of the tunnel engineering. The session ended with the closing remarks from Prof. Ashish Kumar, HOD, Civil Engineering, JUIT Waknaghat and a vote of thanks from Dr. Niraj Singh Parihar, secretary, IGS Shimla chapter.



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Glimpses of The Event

