

Date: March 10th, 2025

Report on Outreach and Expert Lecture at Government Polytechnic, Jamalpur Shekhon, Tohana

Haryana

On March 4th, 2025, Dr. Saurabh Rawat, Associate Professor, Mr. Chandra Pal Gautam, Assistant Professor from Department of Civil Engineering, JUIT along with Dr. Hari Singh, Assistant Professor, CSE & IT, JUIT visited Government Polytechnic, Tohana, Haryana for outreach and delivering expert lectures. Dr. Saurabh Rawat delivered an expert talk on ***“Stability of slopes”***. Dr. Rawat discussed the basics of slope stability and the various factors contributing to its failure. Moreover, Dr. Rawat also discussed the different techniques such as retaining walls, reinforced earth systems and mulching systems used to strengthen the slopes. Dr. Rawat also presented a case study of Kotropi landslide and discussed the use of softwares for slope stability analysis and its mitigation. The session was followed by another expert talk on ***‘Earthquake resistant Buildings’*** by Mr. Chandra Pal Gautam. Mr. Gautam discussed the various tectonic plates theory, earthquake zones in India and terminologies related to earthquakes. He deliberated about the various concepts of building design such as building symmetry and special cases of building in hilly areas for resisting seismic activities. Both the sessions were followed by Q&A session wherein the students actively discussed their doubts and interacted with the experts regarding the civil engineering aspects related to slope stability and earthquakes.

The expert talk was attended by a total of 52 students from 2nd and 3rd year students along with the faculty members of the Civil Engineering Department.





Photo: Expert talk at Govt. Polytechnic, Tohana, Haryana