

Date: March 10th, 2025**Report on Outreach and Expert Lecture at Guru Daksh Government Polytechnic, Hisar, Haryana**

On March 3rd, 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 Guru Daksh Government Polytechnic, Hisar, Haryana for outreach and delivering expert lectures. Dr. Saurabh Rawat delivered an expert talk on ***“Enhancing Slope Stability with Soil Nailing: Technique, Application, and Advancement”***. Dr. Rawat discussed the basics of landslide and the various mitigation techniques that are being used in the field. Moreover, Dr. Rawat presented the latest developments like helical soil nailing that can be used for landslide mitigation. Thereafter, Mr. Chandra Pal Gautam discussed the topic ***‘Earthquake Engineering’***. Mr. Gautam talked about the tectonic plates theory, earthquake generation and terminologies related to earthquakes. He discussed about the critical aspects that needs special attention while constructing buildings in earthquake prone regions in India. 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 landslides and earthquakes. The expert talk was attended by a total of 58 students from 2nd and 3rd year students along with the faculty members of the Civil Engineering Department.

In a parallel session, Dr. Hari Singh delivered a talk on the usage of ***‘AI and ML in Electronics Engineering’***. He discussed the usage of AI and ML in electronics engineering for enhancing automation, signal processing, and system optimization. He also discussed using ML for improving efficiency in circuits and embedded systems. Dr. Singh discussed the latest developments in technologies related to smart sensors and robotics for modern electronics applications. The session was attended by a total of 40 students from the Electronic Department of the Govt. Polytechnic.



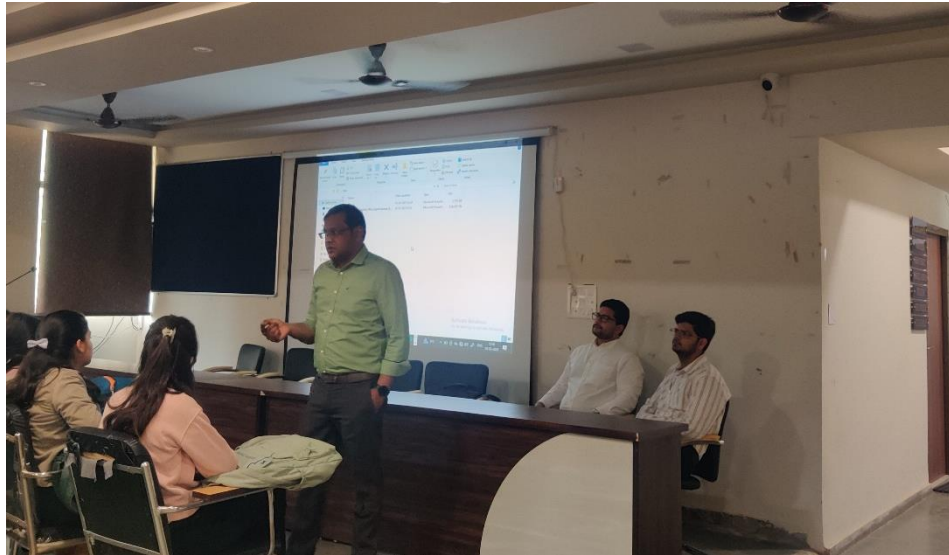


Photo. Guru Daksh Government Polytechnic, Hisar