



December 25, 2025

Department of Physics IUST organizes Extension Tour for Students

Awantipora, December 24, 2025: Under its Industry Connect initiative, the Department of Physics, Islamic University of Science and Technology (IUST), organized an educational tour on Tuesday for students of M.Sc. Physics and FYUGP Physics to the Pahalgam Hydel Power Project. Operated by the Jammu and Kashmir Power Development Corporation (JKPDC), the project harnesses the waters of the Lidder River and consists of three generating units, each with a capacity of 1.5 MW, totaling 4.5 MW.

The primary objective of the visit was to bridge the gap between theoretical classroom concepts and real-world industrial applications. The tour aimed to familiarize students with the fundamental principles of hydroelectric power generation, specifically the conversion of hydraulic energy into electrical energy. The tour aimed to provide students with practical exposure to the generation of hydroelectric power and to bridge the gap between theoretical concepts and real-world applications.

During the visit, JKPDC officials provided a comprehensive technical briefing. Students inspected the plant's key components, including the water intake and penstock systems, turbine operations, generators, and the central control room. This practical exposure allowed students to observe the critical engineering and safety measures required for maintaining power supply to the local region.

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