



SurTech

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

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The Department of Civil Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SurTech) organized a two-day industrial visit on April 29th and 30th, 2024, for the B.Tech and Diploma students. The purpose of this visit was to provide practical exposure to the students about the functioning and operations of a water treatment plant. The chosen site for the visit was **the Panihati Municipal Water Treatment Plant**, renowned for its advanced technologies and efficient water management systems.

Place of Visit: Panihati Municipal Water Treatment Plant

Date: 29th and 30th April, 2024

Number of Participants: 75

The visits commenced on the first day with an introduction session conducted by the plant's senior engineers. They provided an overview of the plant's history, its significance in the region, and the challenges faced in water treatment and distribution. This session was followed by a guided tour of the plant's various sections, including intake, screening, coagulation, sedimentation, filtration, disinfection, and distribution.

Students had the opportunity to observe the machinery and equipment used in each stage of the water treatment process. The engineers explained the functioning of each unit, the role of technology in optimizing efficiency, and the importance of adherence to safety protocols. Furthermore, interactive sessions were held where students could raise queries and engage in discussions with the plant personnel regarding the technical aspects and operational challenges. This facilitated a deeper understanding of the theoretical concepts learned in the classroom.

The visit concluded with a feedback session where students shared their experiences and insights gained during the two-day industrial visit. They expressed appreciation for the opportunity to witness firsthand the operations of a water treatment plant and its role in ensuring safe and clean drinking water for the community.

Outcome: The Department of Civil Engineering's industrial visit to the Panihati Municipal Water Treatment Plant was a resounding success. It provided students with a comprehensive understanding of water treatment processes, practical exposure to industry-standard equipment, and valuable insights into the challenges and innovations in the field of water management.

Some glimpses are attached for your reference.



