



SurTech

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074

Phone: +91 22 25603889, 25603898, 65330375

Website: www.surtech.edu.in; Email: info@dsec.ac.in

Title: Industrial Visit to Mother Dairy Plant

Date: 12/09/2025

Time: 10:00 a.m. – 1 p.m.

Venue: Mother Dairy Calcutta Plant, Dankuni, Hooghly, West Bengal

No of Student Participant: 20

Objective: To provide students with industry exposure on automated process control, electrical systems, and quality management practices in a large-scale food processing industry.

Brief overview of the event: The Department of Electrical Engineering, SurTech, organized an industrial visit to the Mother Dairy Calcutta Plant at Dankuni, Hooghly. Established under Operation Flood II of the National Dairy Development Board and now managed by the Government of West Bengal, the plant has been operational since 1978 and supplies milk and milk products across the Kolkata Metropolitan Area and other districts.

During the visit, the 20 EE students, guided by Mr. Sanjib Sarkar, TA, EE, observed large-scale automated milk processing, packaging, and cold storage systems. The plant extensively uses Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems for monitoring and controlling its operations, ensuring efficiency and product safety. The team also gained insights into the plant's ISO 9001 and HACCP-certified quality assurance practices, energy management, and preventive maintenance schedules of high-capacity electrical drives and motors.

The visit enriched students' understanding of industrial automation, power distribution systems, instrumentation, and process control, bridging their classroom knowledge with real-world industrial applications..

Outcome: Students gained practical exposure to industrial automation technologies (PLC, SCADA), electrical systems, and quality standards in the dairy industry. The visit strengthened their technical knowledge, industrial awareness, and interest in automation-based careers.

A few glimpses of the industrial visit:



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Lat 22.681488° Long 88.306207°

12/09/2025 12:05 PM GMT +05:30



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