

A BRIEF REPORT ON INDUSTRIAL VISIT TO Ice_cream and Bakery Plant



Location: Navi Paradi, Sayan, Surat

DEPARTMENT: Instrumentation & Control
PREPARED BY: Tejal Joshi

Details of Visit

Plant: Ice_cream and Bakery Plant, Sumul

Location: Navi Paradi, Sayan, Surat

Date of Visit: 21/02/24

Time: 10:00 am to 1 pm

Faculty Guide: Brijesh Naik, Tejal Joshi

Students : BTech II and BTech IIIrd year students

The industrial visit to Ice cream and Bakery plant of Sumul Industries was scheduled on 21st Feb, 2024 for second and third year students of I&C department. All students with faculties reached at 9:30 am at entrance of Navi Pardi plant of sumul .

From 03/11/2017 Sumul has started producing and selling of its modern bakery products. Gujarat Co operative Milk Marketing Federation (G .C.M.M.F.L) does responsibility for the sale of Ice cream & Sumul works as its production unit.

The objective of industrial visit was to show field instrumentation and control techniques used in Food Processing industries.

The Instrumentation Engineer of the plant Hiren Trivedi, guided all students about job/role of instrument engineer in dairy. The Instrument Engineer explained the batch process of ice cream making . The plant is fully automatic and clean . No where human intervention was seen.

Students were shown various flow meters , pressure gauges, Temperature sensors and various valves in the field. Programmable Logic Controller with SCADA was used to control whole plant. The students were explained PLC control system used in packaging of various products. The bakery plant was semiautomatic and various mechanical machines with semi automation were used to make different bakery products.

The students also visited the quality control lab where they observed various instruments like pH, Conductivity, Infrared Analyzer and ETP plant analyzers etc. The embedded controller were used in Ovens used for baking the products. There was a good interaction among students with engineers in Instrumentation division. The objective of seeing various instrumentation and control techniques used in food processing plant was fulfilled.

Few glimpses of industrial visits are shown here.



1. The name of the organization is _____	
2. The name of the person who is the head of the organization is _____	3. The name of the person who is the head of the organization is _____