

SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY
INSTRUMENTATION AND CONTROL ENGINEERING



Details of Visit

Plant: Shree Ramkrishna Dimond Pvt.Ltd.

Location: Varachha-main Road, Surat, Gujarat, India

Date of Visit:1/03/24

Time: 11:00 am to 1:30 pm

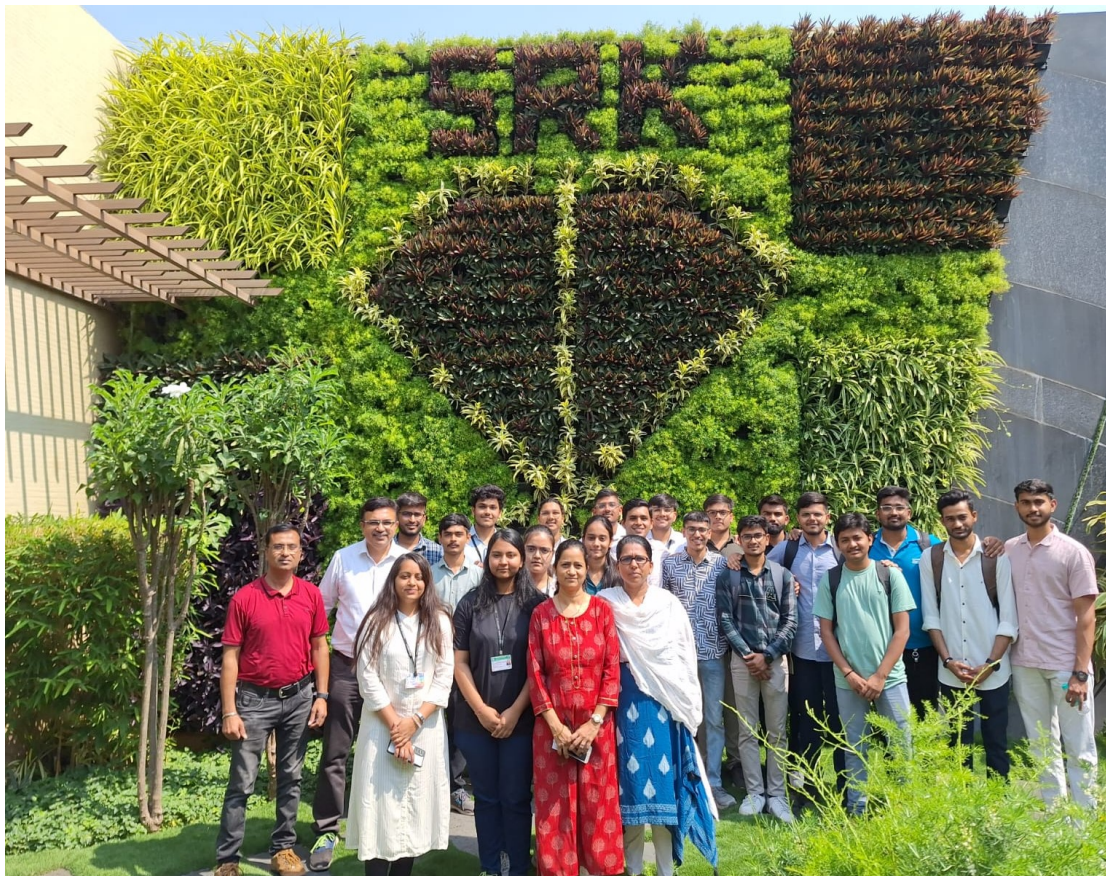
Faculty Guide: Dr. Utpal Pandya , Prof. Jayana Rana, Dr. Bhavina Patel

Students: 3rd year students of B.Tech.(IC) ,B.Tech.(Mech), B.Tech.(Electrical)

The industrial visit arranged to shree ramkrishna Diamond on 1st march 2024 which is located in Varachha-main Road, Surat, Gujarat, India. Industrial visit was scheduled for third year students of I&C Engineering and other engineering branches. All students with faculties reached at 11:30 am at entrance of Shree Ramkrishna Empire. SRK Empire achieves LEED Platinum certification from the U.S. Green Building Council (USGBC), becoming the first diamond facility in Asia to be recognized with the certification. The main objective of this visit was to see and observe green building automation systems like HVAC and chiller plant, fire safety system and video surveillance system, etc.

Mr. Chirag Gandhi, guided all students about the role of Automation in green building. He explained the cooling and ventilation process of HVAC system and also explain SCADA of HVAC system and shown live monitoring of temperature, pressure, air ventilation system and Alarm based fire detection system. Programmable Logic Controller with SCADA is used to control whole plant. The plant is fully automatic and clean. Nowhere human intervention is seen. Students were shown various flow meters, pressure gauges, Temperature sensors and various valves in the field.

The objective of seeing various instrumentation and control techniques used in Building Automation was fulfilled. The mobiles were prohibited inside the plant. So we got the group photo clicked by Mr. Gandhi as shown below.



Report prepared By: Prof. Bhavina Patel