

## **Workshop Report: “Siemens PLC and its Programming”**

*Date: 30th April 2025*

*Venue: Government Polytechnic, Valsad*

A one-day workshop on “**Siemens PLC and its Programming**” was organized at Government Polytechnic, Valsad on 30th April 2025. The workshop was conducted by **Dr. Ankurkumar Pramodbhai Desai** and **Mrs. Chetana Patel**, faculty members of the Electrical Engineering Department at GIDC Degree Engineering College, Abrama.

A total of **50 final-year students** participated in this workshop with great enthusiasm.

During the session, Dr. Ankurkumar Pramodbhai Desai provided a comprehensive introduction to the **Siemens PLC S7-200 CN series**, discussing its structure, functionality, and industrial relevance. He also gave practical demonstrations of various industrial applications using the PLC. Special emphasis was placed on **ladder logic programming**, including the use of **timers and counters**, which are essential elements in PLC programming.

Participants actively engaged in the learning process by solving practical problems presented during the workshop. The interactive and hands-on approach made the workshop **highly fruitful and beneficial** for the students, enhancing their understanding of industrial automation and control systems.

