

**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
Academic year- 2023-24

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Date: 21<sup>st</sup> August, 2023

**Name of Certification Course:-“PLC Automation”**

**Date of Event:-08<sup>th</sup> August to 13<sup>th</sup> August, 2023**

**Venue: -Sandip Polytechnic, Nashik**

**Participants:-Faculty members- 02 nos.SYEE Students- 50 nos.**

**Description:-**

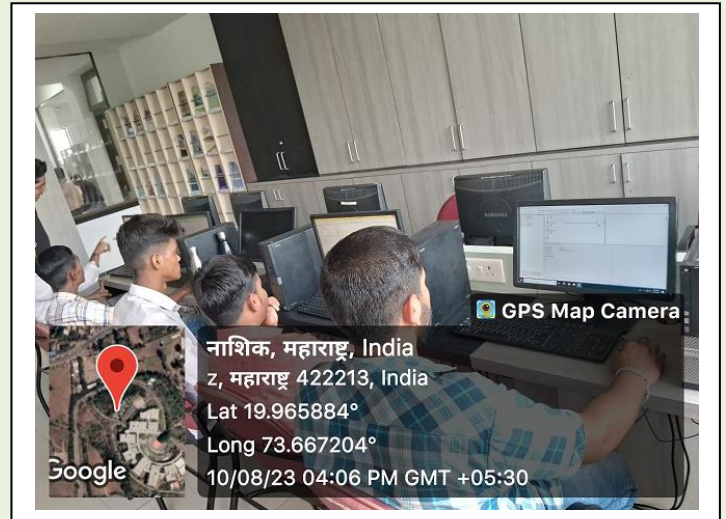
PLC stands for “Programmable Logic Controller”. PLC is a computer specially designed to operate reliably under harsh industrial environments – such as extreme temperatures, wet, dry, and/or dusty conditions. PLCs are used to automate industrial processes such as a manufacturing plant’s assembly line, an ore processing plant, or a wastewater treatment plant.

PLCs share many features of the personal computer you have at home. They both have a power supply, a CPU (Central Processing Unit), inputs and outputs (I/O), memory, and operating software (although it’s a different operating software).

**Objectives of Certification program:-**

- To apply PLC based control to a manufacturing system
- To be identify instrumentation required to implement a PLC control system
- To program a PLC
- To implement a PLC control program and hardware.
- To define the basic components of a PLC

## Photo of Certification program: -“PLC Automation”



## Vision and Mission of Electrical Engineering Department

### Vision

To develop professionally skilled electrical engineers to fulfill the needs of industry and society at large.

### Mission

**M1:** To offer quality technical education through student's centric teaching learning methods to enhance technical knowledge, skills and positive attitude.

**M2:** To provide a learning center for entrepreneurship, employability and higher education.

**M3:** To develop interpersonal skills for professional growth.