

# KRUNAL TAMBOLI

305 Dharam Palace, Gohaur Baug, Bilimora 396321

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## EDUCATION

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**LD College of Engineering, Ahmedabad.**

*May 2019*

B.E., Instrumentation and Control.

Gujarat Technological University

Overall CPI: 6.9

**AB Higher Secondary School, Navsari.**

*May 2015*

GSHSEB HSC.

Overall Percentage: 73

**Shree Shreeji English Medium School, Bilimora.**

*May 2013*

CBSE SSC.

Overall CGPA: 8.2

## EXPERIENCE

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**Project Internship, Institute For Plasma Research, Bhat Gandhinagar**

Automation of subsystems used in performing experiments, developing control programs for PLC, Developing LabVIEW Application for monitoring and data Acquisition.

Study and programming of Schneider make PLC

Study and programming of LabVIEW

**Vocational Trainee, Reliance Industries LTD - Hazira**

Vocational trainee at the MEG plant included studied the process of manufacturing MEG Studied and calibrated various process instruments and Observed the maintenance procedures of the plants process instruments also studied the basic architecture of PLC and DCS.

## PROJECTS

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**Designing and Development of Vacuum and Baking System using Schneider PLC**

The objectives of the project are to monitor and control the temperature of the vacuum vessel of Aditya-U tokamak. The control system ensures sequential operation of the entire Vacuum and Baking system, coordinating evacuation of the vacuum chamber, maintaining uniform baking temperature across the whole system along with continuous data archiving. The vacuum chambers are baked at various temperatures in controlled mode. The heaters are controlled in close loop comprising of temperature ramp-up, maintaining constant heating temperature and ramp-down phase. The baking control is fully automatic requiring operator to set baking temperature only and rest is controlled automatically.

**Smart Energy Meter using Arduino and GSM**

This Project demonstrated the integration of Arduino and GSM to build a smart energy meter which can transmit data like energy consumed generated bill to the user and to the power companies.

## SKILLS

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**Technical Skills**  
**Software**

Industrial Measurement, Digital Logic, Process Control, PLC  
So-machine 4.3, LabVIEW, Matlab, Siemens TIA portal

## CERTIFICATIONS

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### **Basics of Programable Logic Controller.**

Course conducted by COE LDCE by Siemens - Design tech where we studied basics of a PLC-S7 1200, Analog and Digital I/O, functions such as timers counters and simulated various systems using ladder programming.

### **Basics of Process Instrumentation.**

Course conducted by COE LDCE by Siemens - Design tech where we studied working of various process measurement equipments, learned standard calibration procedures, studied HART communication protocol used in industries for communication between field devices and controllers.

## ACHIEVEMENTS

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### **Gate 2019 Instrumentation.**

AIR 1682.

### **Received 3rd Prize For DDD (Design Demo Day).**

DDD is a state level competition for presenting design engineering ideas where teams from all over Gujarat participate for a poster presentation for design engineering ideas. We proposed an idea of Reduction of Complexity in public transportation and did a poster presentation for the same.

## EXTRA- CURRICULAR

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### **Senior Coordinator Lakshya Techfest.**

Coordinated 4 technical events working with a team of 28 members with total participation of up to 600 teams.

## SKILLS

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<b>Gender</b>	Male
<b>Date of Birth</b>	4th April 1998
<b>Languages</b>	English, Hindi, Gujarati