

ANURAG GANAGE

INSTRUMENTATION & CONTROL ENGINEER

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OBJECTIVE

Aspiring to carve a niche for myself across Instrumentation & Process Control Engineering with an organization of repute that would help me cultivate and nurture my skills to become an asset to the organization.

Skills

- Distributed Control System(DCS)
- Programmable Logic Controller(PLC)
- AutoCAD, Catia Design
- PLC Panel Work
- Calibration Of PT, TT, FT, LT.
- SAP S4 HANA
- PM Records Documentations
- Industrial Automation
- P&ID Development & Verify
- Control Valve and ON-OFF Valves Calibration

Education

Batchelor of Engineering: Instrumentation and Control	06/2025
D.Y. Patil College of Engineering	Akurdi, Pune
Higher Secondary School Certificate: Science	03/2021
K. N. Bhise Arts, Commerce And Vinayakrao Patil Science Collages	Solapur, India
Secondary School Certificate: SSC	03/2019
Shri. Kurmadas Vidyamandir, laul	Solapur, India

Experience

Graduate Engineer Trainee	08/2025- Till now
Deepak Fertilizer And Petrochemical Corporation Ltd.	Taloja, Navi Mumbai

Plants Handled: - Weak Nitric Acid(WNA), High Density & Low Density Ammonium Nitrate (HDAN & LDAN), Bensulf, Steam Turbine, Gas Turbine, HP Boilers, MP Boilers, DM Plant, ETP Plant etc.

Roles & Responsibility in Department

- Planning of daily job & PM jobs, calibrations & maintenance of all instruments & control valves.
- Expertise in driving the Configuration, Installation, maintenance operations of a wide range of instruments, equipment's systems/ machines.
- To maintain day to day TPM activity and TPM documentation.
- Maintaining ISO reports and History Cards of said Instruments also Materials planning with **SAP** system.
- To maintain detailed technical record of each instrument/system including storage and control of process computer software control configurations.
- To provide technical functional support to instrument engineers on complex control system faults.
- Material Planning & procurement in SAP system.
- To carry out weekly, quarterly, half yearly and yearly maintenance of the said systems and modification in **DCS, PLC and SCADA** systems as required.
- Responsible for all the checkups required before the startup of main plant and utilities. Simulate the desired conditions and see to it that all the hardware and software is functioning ok.
- Responsible for finding the cause of plant/utilities trip.
- As per the shutdowns planned for maintenance, all the spares are arranged in advance; keep all the specification sheets ready required for calibration.
- Arranging TPM activities to drive system towards the best.

Instrumentation Trainee- Part time	01/2022- 06/2025
Anuja Engineers	Pune, India

- Plant Installation & Commissioning
- Industrial Machinery Assembly
- Electrical Panel Wiring & Integration
- Preventive & Breakdown Maintenance

- Equipment Troubleshooting & Testing
- Project Execution & Site Management
- **End-to-End Installation:** Executed the complete mechanical assembly and successful plant installation of Drip Irrigation and Granules manufacturing machinery.
- **Electrical Integration:** Built, wired, and integrated electrical control panels for Drip Bundle Wrapping and Irrigation machines, ensuring safe and reliable operation.
- **Commissioning & Handover:** Led the final testing, troubleshooting, and commissioning of full machine assemblies to ensure they met operational specifications before handover.
- **Process Optimization:** Coordinated the full assembly pipeline from mechanical setup to panel work, ensuring projects were completed efficiently.

Internship

Student Intern
V-Ramp Automation Pvt. Ltd.

01/2024- 04/2024
Pune, India

- Assisted in the design and assembly of PLC panels
- gaining hands-on Experience with control systems and automation equipment.
- Conducted testing and troubleshooting of PLC panels to ensure compliance with industry standards and client specifications.

Projects

Deepak Fertilizer and Petrochemical Corporation LTD

- **TOPAN** LDAN Quality Improvement Project.
- **DRM** Project For LDAN Waste Water Filtration And Sledge Remover.
- HDAN Plant **AHU** Connection Conversation From PLC to DCS.
- **Weighbridge** capacity Conversion in HDAN plant.

Anuja Engineers

- **Granules Machine** For Drip Irrigation Whole Assembly And Commissioning.
- **Drip Irrigation Machine** Whole assembly And Panel Work & Installation Of plant.
- **Drip Bundle Wrapping Machine** Whole Assembly And Panel work And commissioning.

Ratio Control System Using DCS System- Collage Project

Sponsored by- Emerson, Pune

- Designed and implemented a ratio control system using a Distributed Control System (DCS) to regulate the proportion of multiple process variables.
- Developed the control logic to manage and maintain the desired ratio between two or more variables, ensuring precise control over process outputs.
- Configured the DCS to execute advanced control strategies, such as PID and feedforward control, for optimized system performance.

Automated Tank Management: A PLC-Based Control System- College Project

- Built a system using a special controller (ABB PLC PM554) to automatically control the water levels in tanks using sensors.
- Connected sensors to measure the water level in the tanks and made the controller respond to those readings in real time.
- Made the pumps turn on or off automatically based on the water level to fill or empty the tanks as needed.

Languages

Marathi: First Language
English: Intermediate (B1)

Hindi: Upper Intermediate (B2)

Certifications

- Training Course on PLC and HMI - Smart Control Solution Pune

Hobbies And Interests

- Traveling
- Cooking
- Photography