Name: Aniket Shaligram Chitte   **Contact No.: 9619768767**

Address:- THANE -400604   **Mail Id:aniketchitte2012@gmail.com**

CAREER VISION:- B.E In Electrical and skilled in PLC Ladder Logic Programming, SCADA HMI, and Control Panel Designing ready to work on projects related to industrial automation.

PRACTICAL EXPOSURE AT PRECON AUTOMATION & SYSTEMS PVT. LTD.: FROM (NOV-2023 TO JUNE-2024)

Electrical Control Panel:

a)   Calculating the current of the motor and selecting the electrical switchgears (TOR, MCB, Contactor)

b)   Preparing control circuit diagrams, power circuit diagrams, and B.O.M. of D.O.L, R.D.O.L & STAR DELTA Starters

c)   Preparing control circuit diagrams for two or more motor Start & Trip Interlocks

d)   Reading the control circuit diagram and power circuit diagram of the given application.

e)   Performing the panel test of 3 phase 440VAC MCC panel (Continuity test, Interlock test power on/off)

AutoCAD :

a) Preparing single line & power diagram of D.O.L, R.D.O.L, STAR-DELTA starters.

b) Preparing the layout of the Control Panel

c) Import B.O.M from Excel in Autocad

d) Export the DWG file to PDF

EPLAN:

a) Attaching Parts & Symbols of D.O.L, R.D.O.L, and STAR-DELTA starter's control and power circuits. b) Generating a Bill Of Materials

AC-Drives (Siemens G-120 Sinamics):

a)   Configuration and control of motor from STARTER software

b)   Control of power and frequency of motor form Sinamics G-120 BOP Keypad in commercial premises

PLC:

1. ALLEN BRADLEY: Micrologix 1400 (1766-L-32 BWB)

a) Wiring sinking inputs to PLC DI channel.

b) Configuring the PLC with RSlinx V2.59.

c) Addressing of data types.

d) Ladder logic development for a sequence of ON/OFF for the lathe machine.

2. SIEMENS: Sinamics (S7-1200)

a) Configuring and programming the PLC with TIA portal (Version 12).

b) Programming using Timer, Counter, Compare, Math, and Scale Instructions.

3. DELTA: (DVP14SS2)

a) Counting and selecting Discrete Inputs/Outputs, Analog Inputs/Outputs

b) Configuring and programming the PLC with WPLSoft.

c) Selecting Input and Output Module cards for expansion of inputs and outputs as per requirements

SCADA: (Wonder ware InTouch software)

a)   Creating real & historical time trends

b)   Configuration of Alarms, Summary, History

c)   Configuration of Script

d)   Configuring dynamic data exchange between SCADA to EXCEL & EXCEL to SCADA

e)   Interfacing between PLC & SCADA

HMI:

a) Configure HMI display (model: IPK2070) with PM designer software (V1.2).

b) Creating real & historical time trends

c) Configuration of Alarms, Summary, and data loggers.

d) Configure security and set login/logout password

EXPERIENCE:

Done my Internship in BEST Electrical.

Fresher

OKEANOS TECHNOLOGIES PVT.LTD AS a Project Enginner.

{AUG 10 -NOV 10} FOR 3 MONTHS

ACADEMIC PROJECT:

Title:- IoT-based solar powerd seed sowing machine

Aim:- The aim of the project is to use solar power and smart technology to plant
seed More effeiciently and accurately, savimg time and energy of farmers.

Componenets:-

Sr.No.	Components	Specification	Quantity
1	Sensors	EPS32 CAM MODULE Wifi SESNSOR	1
		10W Solar Panel	1
		Network application	1
2	Microcontroller	EPS32 Cam development Board General pupoes PCB	1 1
3	Control Unit	DC MOTOR FOR SEEDING Water pump for sprinkling DC Motor Wheel 12v Battery pack L298N Motor driver Module	1 1 4 1 1

Working:-

➤ The proposed project aims to reduce the labour-intensive tasks associated with manual sowing process in agriculture. It involves the development of a remotely controlled with help of IOT, Vehicle powered by solar energy.

➤ The vehicle is designed to sow the seed in soil with high precision, thereby minimizing manual work and ensuring efficient application. Its sustainable solar-powered design and 12-volt battery make it cost-effective and environmentally friendly.

➤ The vehicle is powered by an Esp32 CAM and controlled remotely. Its movement is achieved using a 12-volt DC gear motor, which is driven by the L298N motor driver. Overall, this innovative solution addresses the challenges of manual labour while promoting efficient, precise, and sustainable agricultural practices.

EDUCATION: .

- SSC from B,S,M's English Medium School Thane in the Year 2017 with Percentage of 74.20 .
- HSC from ST Lawerrnece junior college Thane in the year 2019 with a Percentage of 50.62.
- Diploma from Government Polytechnic Vikramgad in Palghar district in year 2021 with Percentage of 81.72 .
- B.E in Electrical Engineering from Pillai HOC college of Engineering and Technology, Navi Mumbai in the year 2024 with 7.75 CGPA.

PERSONAL INFORMATION:

Name:- Aniket Shaligram Chitte

Date of birth:- 14th April 2002

Father's Name:- Shaligram Shivram Chitte

Address:- Sant Dynenswar Nagar ,Thane west 400604

DECLARATION:

    I, Aniket Chitte. hereby declare that the information contained here in is true and correct to the best of my knowledge.