**MANIKANDAN M**

[manikandanspmm15@gmail.com](mailto:manikandanspmm15@gmail.com)

9790431829

Pazhavanthangal,Chennai-114

## Summary:

Engineering profession with 2 Years 5 months of Experience In the Field of Industrial Automation. Expertise Mainly in PLC and SCADA Programming, Managing and Modification of Projects in different Industries. Proficiency in the area of SIEMENS based PLC and SCADA Systems.

## Work Experience:

**1) Project Engineer**
 Keystone Automation Solutions Pvt Ltd - Chennai.
September 2017 to March 2020.

## Duties and Responsibility:

- Wiring control panel board and operator panel, field wiring with given circuit diagram.
- Work with Siemens PLC technologies and develop and update existing code for equipment's
- Assist in checking the input and Output check points for the developing programs and  making correction if any of them.
- Fixing trouble shooting problem in system, and the enhancements that support systems
- Make sure that end user is comfortable using the developed system, and assist them in using the systems
- Working with networking technologies like, Modbus, PROFIBUS, Industrial Ethernet.
- Programming the system as per sequences and Process aspect view
- Drive Parameter selection, Programming and commissioning.

## Technical Qualification:

- C Language**.**
- Embedded C ,8051,ARM.
- UART,RS232.

- **PLC:**  Siemens-S7-Smart, S7-200, S7-400, S7-1200,  AB.
- **SCADA:** Wincc Runtime Professional (Server-Client), Wincc Runtime Advanced, factory talk view 9, proface .
- **HMI:** Wincc Flexible, Total Integrated Automation.
- **Drives:** Siemens.
- **Communications:** MPI, PROFIBUS, RS485 MODBUS, PROFINET.

## Projects Executed in keystone automation:

1. FSH Automation & Engineering Pvt Ltd, Guindy.
   **PLC system:** SIEMENS Logo 8 and KTP400
   **System control method:** distributed control
   **Programming Tool:**  Logo 8, Tia v13 sp1.

2. Dorma India Pvt ltd.
   **PLC system:** SIEMENS PLC-S7-200  and KTP400.
   **System control method:** distributed control
   **Programming Tool:** Microwin v4.0, Tia v13 sp1.

3. Osakai Engineering Industries Pvt Ltd
   **PLC system:** SIEMENS S7-200 Smart  and KTP700.
   **System control method:** distributed control
   **Programming Tool:**  Microwin Smart v2.4, Tia v13 sp1.

4. ICL Cement Fctory, Chennai
   **PLC system:** SIEMENS S7-1200DCDCDC and SCADA.
   **System control method:** Server client, distributed control
   **Programming Tool:**  Tia v13 Sp1, WinCC professional ver13.

5. Rail wheelfactory (RWF), Bangalore, India
   **System control method:** Distributed control, redundancy control.
   **PLC system :** AB-5000 and SCADA (factory talk view).
   **Communication :** Control net.
   **Programming Tool :** STUDIO 5000, factory talk view 9.

6. Bradken India private limited (unit1), Coimbatore, Tamilnadu.

7. Araymond fasteners india Pvt Ltd,Pune,India.

8. Sogefi engine system india Pvt Ltd,Pune,India.

9. Completed many small projects using most of the Siemens software like S7-1200, S7-1500, S7-200, S7-200smart, Logo 7 and Logo 8

10. Experience on creating panel's general and internal assembly drawing using  AutoCAD.

## Education Details:

- **Bachelor of Engineering and Technology.(Electrical and Electronics Engineering)**

  2013-2016.Chettinad College of Engineering and Technology, Karur.

  Aggregate (CGPA):6.7

- **HSS**

  MAM higher secondary school, Mettur, Salem, 2012.

  Aggregate (%):66%

## Personal Details:

Name                : Manikandan M

DOB                  : 02-05-1995
Marital Status       : Single

Languages Known   :

| Language | Speaking | Writing |
|----------|----------|---------|
| English  | ✓        | ✓       |
| Tamil    | ✓        | ✓       |

Current Location       :4/9 Pazhavanthagal,
                         Kannan Street,
                         Chennai-600114.

## Declaration

I, Manikandan hereby declare that the details given by me above are true to the best of my knowledge.

**Place :**

**Date :**                                                                              **(MANIKANDAN)**