



# SIVAMURUGAN CHELLADURAI

## ASSISTANT PROFESSOR

Result-driven professional; targeting assignments as Teaching Professional

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### Key Skills

- Equipment Commissioning
- Site Maintenance & Troubleshooting
- Production Control & Operation Management
- EPLAN & AUTOCAD Drawing
- Material Management & Procurement
- Client Relationship Management
- PLC Programming
- Production Control
- Manpower Management

### Soft Skills

Communicator
Motivational Leader
Strategic Thinker
Team Player
Innovative

### Education

- Currently Studying **Part Time PhD (Electronics & Communication Engineering)** from Kalasalingam University, Madurai from December 2022 onwards.
- Master of Engineering (Applied Electronics)** from V V College of Engineering, Tuticorin in **2015** with **77.5%**
- BE (Electronics & Communication Engineering)** from Parisutham Institute of Technology & Science, Thanjavur in **2012** with **80.8%**
- 12<sup>th</sup>** from TDTA Higher Secondary School, Tuticorin in **2008** with **77.3%**

### Profile Summary

- ⦿ A competent professional offering **8+ Years** of experience in **Installation, Commissioning, Maintenance, Service, Project Management, Testing and Troubleshooting in Automation & Process industry.**
- ⦿ Transformer, Switchgear, Distribution Panel and Capacitor Panel Commissioning & Maintenance
- ⦿ Led **Maintenance Engineer** to Maintain Automation Project at Client Location
- ⦿ Calibration of Process Equipment Such as RTD, Pressure Switch, Pressure Transmitter, Level Switch and Level Transmitter.
- ⦿ Experience in **Installation, maintenance schedule, budgeting, annual shutdown/ breakdown planning, Procurement, troubleshooting, manpower planning and risk assessment analysis**
- ⦿ Expertise in performing **Installation & commissioning** and conducting tests & inspections for ensuring operational effectiveness
- ⦿ Performed **Installation & Maintenance of AAC Plant, ASRS Warehouse System and Track & Trace System** at various international client locations at Rwanda.
- ⦿ Skilled in managing operations involving **developing & maintaining Project reports, resource planning, materials planning, in-process inspection, team building** and coordination with internal departments and **ensuring workplace safety**
- ⦿ Resourceful in coordinating **purchase operations**, monitoring inventory norms & updating the same on a regular basis & **minimizing stock out.**
- ⦿ **Led a team of Supervisors & Technicians to run a Site Operation.**
- ⦿ Ensured the successful on-site & off-site execution of projects like **Aerated Autoclave Concrete (AAC), Digital Tax Stamps Track & Trace Software System and Automatic Storage & Retrieval System (ASRS)**

### Automation & IT Skills

- ⦿ **Design Software:** AutoCAD & EPLAN
- ⦿ **Installation: PLC Projects (Wehrhann AAC Plant & ASRS Warehouse & Track and Trace System)**
- ⦿ **PLC Skills:** Siemens PLC (S7 300/1200), OMRON PLC, AB & ABB PLC
- ⦿ **Programming Language:** Ladder Diagram & Functional Block Diagram
- ⦿ **VFD:** SEW & Siemens (Parameter Setting & Keypad Programming)
- ⦿ **HMI & SCADA:** Operations & Design using WinCC Software
- ⦿ **Software:** Simatic Manager (Siemens), Ladder Builder for KV (Keyence), CX Programmer (OMRON)
- ⦿ **Communication:** PROFIBUS PROFINET, ASI Communication & Addressing
- ⦿ **Industrial Equipment:** Encoder, IR Device, Profibus Coupler, Contactor, Relays, Various Circuit Breaker, Bus Bar, VFD, Single & Three Phase Induction Motor & Various Types of Sensors
- ⦿ **Data Center:** Installation of Server, Storage System, Network Switches, Firewall Configuration & RedHat, CentOS, Oracle SQL & MSSQL and Web Application Installation on Tomcat Web Server.

## Work Experience

Since May' 22 with Kalasalingam Academy of Research and Education, Madurai as Assistant Professor

**Institution:** Kalasalingam Academy of Research and Education  
**Location:** Madurai, India  
**Designation:** Assistant Professor  
**Institute Site:** <https://kalasalingam.ac.in>



**Role:**

- Understand the Students Knowledge to Improve the Skills
- Analyze the method of teaching to achieve students understanding
- Research on various methodology of teaching

January'21 – May 22 with Integrated Infrastructure Company Limited, Rwanda as Electrical Engineer

**Company:** INTEGRATED INFRASTRUCTURE COMANY LTD  
**Location:** Rwamagana, Rwanda  
**Project:** Aerated Autoclave Concrete (AAC)  
**Company Site:** <https://www.rwandamountaintea.com/>



**Role:**

- Plan & Monitor Preventive Maintenance and Breakdown Maintenance
- PLC Programming Correction and Development
- Calibration of Process Equipment's
- Spares Part Procurement and Enquiry
- Plan Weekly, Monthly, Quarterly and Yearly Maintenance
- PLC Schematics and Logic Design
- Supervise a team of Electrical Team

Jun'20 – Dec' 2020 with Remote Partners Limited, Rwanda as Electrical Engineer

**Company:** REMOTE PARTNERS PVT LTD  
**Location:** Kigali (Rwanda)  
**Project:** Aerated Autoclave Concrete (AAC)  
**Company Site:** <http://www.remotepartners.com/>



**Role:**

- Installation of AAC Factory
- Commissioning of MCC & DP Panels
- Service and Maintenance of AAC Plant
- Production Problem Troubleshooting
- Planning and Implementing Preventive Maintenance
- Spare List Preparation and Report to Management about Spare Requirements
- Prepare Daily Production Report and Maintain Stock
- Supervise a team of Supervisor and Technician to Run the Production
- Troubleshoot the Machine Failure
- Report to the Management Periodically about the Project Requirements

Oct'17- Jun'20 with Madras Security Printers Private Limited, Rwanda as Industrial Automation Engineer

**Client:** Rwanda Revenue Authority (RRA) & Rwanda Standards Boards (RSB)  
**Location:** Kigali (Rwanda)- On-site  
**Project:** Digital Tax Stamps & Quality Marks Track and Trace Software System  
**Project Link:** <https://excisestamps.rra.gov.rw> & <https://marks.rsb.gov.rw>



**Role:**

- Installation of Automatic Track & Trace System and Automatic Sticker Applicator Machine on Production Line at Factory
- Installation of Camera Based QR Code Reader System at Production Line
- Service and Maintenance of Track & Trace System at International Client Location
- Analyze and modify the project and create Electrical Diagram for the Automation Projects
- Control Panel Installation & Commissioning at Client Location
- Prepare a Report of Installation, Service and Maintenance of Automation Projects
- Supervise a team of Supervisor and Technician to Run the Production at Client Location
- Provide Support to Clients to Troubleshoot the Machine Failure
- Report to the Management Periodically about the Project Requirements
- Additionally Learned an IT Technology such as Data center & Web Application Installation. Also learned an Firewall and Storage System Configuration
- Provide Technical Support to the Team for Successful installation of Servers and Factory Production Control System

Jul'15-Oct'17 with Godrej Efacec Automation & Robotics Pvt. Ltd., Chennai as Electrical Supervisor



**Contractor:** RATNA Engineering  
**Location:** Chennai International Airport (Import)  
**Project:** Automatic Storage & Retrieval System (ASRS)  
**Role:**

- Maintenance of PLC based ASRS Project at Various Client Location on different States in India
- In charge of Operations to run the smooth operations at 24\*7 at Chennai Airport ASRS Project
- Led a Team of 9 Technician's and 12 Helpers to run an ASRS Projects
- Analyze the Components Requirements and update the Requirements to Site Engineer.
- Schedule a Daily, Monthly, Quarterly & Annual Maintenance of Various Client Location and Complete the Maintenance on Time and Conduct a Minutes of Meeting with Clients to discuss and Report the Activates
- Prepare a Shift Work Schedule for Technicians and Helper to Run a Smooth Operation
- Purchase a Required Spare Parts and Devices on Time to avoid breakdown due to lack of Components.
- Understand an Electrical Diagram of Automated Projects and Train a New Staff as technically and instruct them to follow the Company Norms.

### Aug'12-May'13 with ATKO Scales Pvt. Ltd., Chennaias Service Engineer

**Company:** ATKO SCALES PVT LTD  
**Location:** Chennai  
**Project:** Electronic Weighing Scale Installation, Service & Maintenance  
**Role:**



- Installation, Maintenance & Service of Various type of Electronic Weighing Scales Machine at Client Location at All over Tamil Nadu
- Prepare a Maintenance Reports and Update to the Boss about the Status
- Schedule an Quarterly & Annual Maintenance
- Train a New Staff on the field Work for Maintenance

### Technical Course

- Completed a 6 months course on **Industrial Process Automation (Siemens PLC, SCADA, HMI, VFD)** from Technocrat Automation, Chennai

### Academic Achievements

- Overall 2<sup>nd</sup> in Master Degree 1<sup>st</sup> semester Nov/Dec 2014 Examination
- Overall 3<sup>rd</sup> in Bachelor Degree 4<sup>th</sup> semester April/May 2010 Examination

### Personal Details

**Date of Birth:** 27<sup>th</sup> June 1991 | **Languages Known:** English & Tamil (Hindi & Telugu - Beginner)  
**Permanent Address:** 59B, Main Street, Vijayaramapuram, Tuticorin, Tamil Nadu, India  
**Passport Number:** N4466051 **Country of Residence:** India  
**Visa Country & Type:** Rwanda (East Africa) & Work Permit (Valid Upto 5<sup>th</sup> April 2024)