

CURRICULUM VITAE

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Summary

Having 21+ years of experience in hardcore Industrial Automation, with ample experience in Project Engineering, Testing, Erection and Commissioning, Development & Implementation of Application software and maintenance.

Objective

To prove myself as a challenging **Process Automation Engineer in the field of Industrial Automation Systems Design & Development** that involves innovative thinking and effective utilization of my knowledge base.

Gained rich international knowledge (Industrial automation) in Heavy Metal for Process lines, Cold rolling mill, Paper , Cement and Tyre industries.

In BalaKrishna tires Biwadi – Delhi, self-have commissioned 4 roll calendars, 2 Mixer, 10inch extruder with cooling conveyer.

The above systems consist of S7 300 plc with profibus networks system and Mentor Dc drive (Mixer 1850A*2no with load sharing).

The system was commissioned under supervision and guidance of Mr. Rajesh agarwal DGM of this plant in 2009.

Professional Profile

Present Employer : Tube product of India (Murugappa)

Designation : Deputy Manager – Project and Maintenance

Date of Employment : August 2014– Till Date.

Past Employer : ROCKWELL Automation India P.Ltd.

Designation : Senior Engineer – Systems and solution business.

Date of Employment : Dec2010 – July 2014

**Past Employer : EMERSON Industrial Automation.
(Control techniques India).**

Designation : Assistant Manager - Projects

Date of Employment : April 2001 – Dec 2010.

Overall Project responsibilities:

- Preliminary study of client's requirement
- Design and Development of System Configuration and doing detailed Engineering.
- Preparation of all documents like Drawings, Bill of materials, Cable / core schedule etc., developing the as-built drawings, as-commissioned documents and drawings.
- Coordinating with purchase & production people.
- Carry out internal testing of the equipment, Testing of PLC, Drive Panels, Control Desks, and Control Posts etc.
- Preparation of Application Software for various systems like Development of Drive Logic Programs for Drives, Ladder Logic for PLC and HMI Screens in SCADA programs, etc.
- Testing & Running the application software in the real time environment by downloading it to the respective devices.
- Clearing the client's / consultant's inspection if any.
- Interacting with customer and keep them in track during detail engineering and responsible for getting the design & drawing approval from the customer / consultant.
- Train the people in the site / in our premises.

Commissioning responsibilities:

- Supervision of E&C activities of automation systems at Client's work site.
- Attending the client site and understanding their needs.
- Analyzing the client requirement / defects in the system.
- Planning and scheduling the commissioning activities by interacting with client and consultants.
- Coordinating and discuss with end clients, machine manufactures, supplier and consultant about the automation systems.
- Acting effectively as in-charge and playing key role for implementing the entire process automation equipments.
- Developing software according to the applications and customers requirements.
- Problem analyzing and fault rectification within schedule time.
- Involving in process requirement machine trial and testing.
- Synchronization system with process interface.
- Modification of the logics according to the trial and testing performance.
- Implementing and handovering the project to the client within the time frame.
- Meeting the customer requirements after commissioning the process and being the single point of contact for future requirements and maintenance.

- Production level satisfied with end client for handovering the total equipments.
- Giving training to the on site employees at client side to maintain and to fix problems in the system.
- Keep continuous supports with end clients for trouble free performance of the equipments.
- Clearing the payment issues after successful commissioning from the client.

Maintenance Responsibilities:

- Responsible for overall plant equipment and utility electrical maintenance activities.
- Perform routine preventive maintenance inspections and recommend measures to improve conditions and operations of machines /equipment.
- Resolve breakdown maintenance in timely manner for escalated machine malfunctioning –using root-cause failure technique and provide corrective actions, Modifications and replacement and also new installations.
- Research new methodologies/projects and developed new procedures to improve the machine availability, productivity, quality and safety measures and reduces the down times.
- Generate and maintain MIS report and control maintenance indices charts.
- Review and update power factor, Harmonics , Max Demand monitoring and energy consumption , fuel consumption in HT distribution system and DG.
- MTTR, MTBF, Machine availability factors for monthly, half-yearly and yearly basis.
- Responsible for procurement and provision of adequate spares. To plan and stock critical spares for improving the availability of the machines. Manages the equipment storage and mentored safety measures. Following up to get spares , material required from purchase/stores.
- Plan and assign shift schedule for subordinates to provide technical support under 7/24 maintenance.
- Acting as liaison with company vendors on various maintenance projects to ensure proper completion of work.
- Responsible for promoting team work and imparting necessary training.

Soft Skillset:

Application Software : Paper machine, Rewinder, process lines and cold rolling mills.

PLC Software : **Rs Logix 5000** (Control logix), **SIMATIC MANAGER** (Step 7).

SCADA Software : **Factory Talk view (Rockwell), WinCC** (Siemens), **CT32** (Control techniques)

HMI Software : **Wincc flexibility, CT 32 HMI software , Panel view software.**

Project Handled (Highlights):

Overseas Experience in Control techniques:-

S.No.	Country	Deputed to	Period	Jobs handled & achievements
1.	Bangladesh	PHP Steel plant	3 months	<ul style="list-style-type: none">➤ Continuous Galvanizing Line➤ Cut to length line➤ Rewinding Line➤ Hardware & Software Involved: STEP 7, WinCC, ESA, and SYPT Pro, CT Soft, Motion Perfect 2, and AC Drive.
2.	Egypt	Kandil Steel plant	2 months	<ul style="list-style-type: none">➤ Colour Coating line➤ Skin Pass Mill➤ OEM: Flat products equipments.➤ Hardware & Software Involved: STEP 7, WinCC, ESA, and SYPT Pro, CT Soft, and DC Drive.
3.	Sri Lanka	Neptune converters Pvt ltd	10 days	<ul style="list-style-type: none">➤ Twin Drum Rewinder➤ OEM: Globe Radio – India➤ Hardware & Software Involved: Men Soft, MD 29
4.	Tanzania	Mufindi paper mills ltd.,	10 days	<ul style="list-style-type: none">➤ Twin Drum Rewinder with BG➤ OEM: Bruder Haus - Germany.➤ Hardware & Software Involved: Men Soft, Sypt pro
5.	Kenya	Mabati Rolling Mills ltd	1 month	<ul style="list-style-type: none">➤ Push Pull Pickling line.➤ OEM: Flat products equipment - India➤ Hardware & Software Involved: STEP 7, WinCC, TP170B, and SYPT Pro, CT Soft, AC Drive System.
6.	Iran	Ferro Gilan Complex Co	2 months	<ul style="list-style-type: none">➤ Push Pull Pickling line.➤ OEM: Flat products equipment - India➤ Hardware & Software Involved: STEP 7, WinCC, TP170B, SYPT Pro, CT Soft, AC Drive System.
7.	Indonesia	PT ESSAR	1 month	<ul style="list-style-type: none">➤ Electrolytic cleaning line.➤ OEM: Dass Nagar equipment – India.➤ Hardware & Software Involved: STEP 7, WinCC, TP170B, SYPT Pro, CT Soft, DC Drive System.
8.	Malaysia	YKGI Group of Steels	1 month	<ul style="list-style-type: none">➤ Acid regeneration.➤ OEM: Flat products equipment - India➤ Hardware & Software Involved: STEP 7, WinCC, TP170B, SYPT Pro, CT Soft, AC Drive System.

S.No.	Country	Deputed to	Period	Jobs handled & achievements
9.	Nigeria	Midgal galvanizing product	2 month	<ul style="list-style-type: none"> ➤ Continuous Galvanizing Line ➤ Hardware & Software Involved: STEP 7, WinCC, OP170B, and SYPT Pro, CT Soft,, and DC Drive.
10.	Bangladesh	Mustafa paper mill	15 days	<ul style="list-style-type: none"> ➤ Sectional paper machine. ➤ Hardware & Software Involved: CT soft, AC drive and Sypt pro and CTIU

Experience Major Indian Projects in control techniques

Tire Industries:

- 1) Balakrisna Tire industries, Chopanki - Delhi.
- 2) JK Tire industries, Mysore.

Paper industries:

- (1) Westcoast Paper Mills Ltd, Dandeli.
- (2) Ballarpur Industries, Ballarpur.
- (3) Ballarpur industries, Sewa Orissa.
- (4) Sirpur Paper Mills Ltd, Sirpur.
- (5) Murali Agro Paper Products Ltd, Nagpur.
- (6) Amravati Papers & Groups, Udumalai Pet.
- (7) Seshayee Paper Board Ltd, Erode
- (8) Sun Paper Mills Ltd, Tirunelveli
- (9) Apr Packaging Ltd, (Bilt Group) Asthi.Balarsha.
- (10) Servall Engineering Works, Coimbatore.
- (11) Dongragon paper mills, Raipur.
- (12) Ruchira paper mills, Himachala Pradesh.
- (13)Globe Radio Company, Tirunelveli.

Automobile Industries:

- 1) Hyundai Motors India Ltd, Chennai.
- 2) Delphi – Tvs System, Mannur.
- 3) Ford India Ltd, Chennai.
- 4) Mahindra and Mahindra, Hyderabad.

Steel Industries:

- 1) Tube Products India - Avadi, Chennai.
- 2) Ispat Steel Industries, Nagpur.
- 3) Pennar Steel Industries, Hyderabad.

- 4) Tata steel, Jamshedpur.
- 5) Bharat heavy electrical ltd, Trichy.
- 6) Salem steel plant, Salem.
- 7) Meta copper and alloys, Goa.
- 8) Steel co industries, Baroda.

Other Major Miscellaneous Projects:

- 1) Bhabha Atomic Research Centre, Mysore.
- 2) National Mineral Development Corporation. Donimalai. Tornagallu.
- 3) Naval Aircraft Yard, Cochin
- 4) Mico, Bangalore.
- 5) Marine infrastructure, goa

Experience Major Projects in Rockwell automation

1) IIT – Chennai.

Test bench table for student testing & learning. Its contains ac induction motor, dc shunt motors and generator assembly in one shaft and will be conduct for load test with variable speed. Every parameter like current, voltage, kW and speed can be monitor in meter as well as record in the lab view software.

2) Michelin tires- Chennai.

Yannai simulator projects. The simulation lab for internal software testing and development for Michelin automation team.

3) Aarti steel - Nigeria.

The Successfully Commissioned of color coating line of M/s CMI FPE in NIGERIA for 2 month period which contains PF755 drive system with Rs logix 5000 PLC and factory talk view studio of hmi and scada.

Personal data

Date of Birth:	11 th July 1978.
Languages known:	English, Tamil, Hindi(speak)
Gender:	Male

Nationality: Indian
Marital status: Married.

Passport details:

Passport No. : G6633123
Date of issue : 12th December 2019.
Date of Expiry : 11th December 2039.