

BAIBHAB RANJAN SENAPATI

PROJECT ENGINEER

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MY PROFILE



My name is Baibhab Ranjan Senapati. I am presently working as Project Engineer in Russula Automation and Engineering Solution India Pvt. Ltd.

EDUCATION

BACHELOR'S DEGREE (B. Tech) / AUG 2014 - APR 2018

College- Gandhi Institute For Technology (GIFT, BBSR)

University- Bijupattnaik University of Technology

Branch- Electrical Engineering

INTERMEDIATE / APR 2012 - MAY 2014

College- Bijupattnaik Junior College

Board- CHSE

Main Subjects- Physics, Chemistry, Mathematics, Biology

10TH / MAR 2011 - MAR 2012

School- Benubaba Bidyapitha

Board- BSE

EXPERIENCE

Company Name- Russula Automation and Engineering Solution, Odisha India

Designation- Project Engineer

D.O.J- 3rd Jan 2022

- Working as project engineer in automation dept.
- Designing HMI screens for Water plants and Rolling Mills using different software like Wonderware, FactoryTalk, WinCC, Orchestra IDE etc.
- Involved in development PLC logics using FBD and SCL language for different controllers like Siemens, Rockwell etc.
- Designing network layouts, displaying PLC-PLC communication RIO communication along with ethernet switch communication.
- Embedding SQL databases in each system to store the data and retrieve it when it is necessary.

Organization Name- CTTC, BBSR

Designation- Graduate Engineer

D.O.J- 11th Dec 2018

- Worked as Regular faculty in CTTC in department of Industrial Automation.
- Given regular Training to students on respective Courses.
- Coordinated students to prepare their Projects on concerning Courses.
- Also actively worked in R&D Projects of CTTC, BBSR

INTERSHIPS AND PROJECTS

COURSE NAME- MCCAPC (MAY 2018 - NOV 2018)

Course Name- Master Certificate Course in Automation and Process Control NSQF Level-7

Organization- Central Tool Room and Training Center, Bhubaneswar (CTTC)

Duration- 6 Months

PROJECT NAME- Liberty Peoria Automation Upgrade for Double Line Rod Mill and Rod Exit

PROJECT LOCATION- Illinois, USA (2022)

WORK DETAILS- The HMI of this project was designed by Wonderware with Archestra IDE and the database was controlled by SQL server. For PLC, TIA portal was used to program S7-1500 series PLC along with redundancy control system.

PROJECT NAME- Big River Steel NGO Water Plant

PROJECT LOCATION- Arkansas, USA (2022)

WORK DETAILS- The HMI of this project was designed by WinCC Professional, and the database was controlled by SQL server. For PLC, TIA portal was used to program S7-1500 series PLC.

PROJECT NAME- Nucor Nebraska Kock's IM and Upgrade.

PROJECT LOCATION- Nebraska, USA (2022)

WORK DETAILS- The HMI of this project was designed by FactoryTalk SE, and the database was controlled by SQL server with Kepware. For PLC, RS Logix was used to program Rockwell PLC along with Safety PLC control system.

PROJECT NAME- Pick and Place of Object by Robotic Arm using PLC.

PROJECT LOCATION- CTTC, Bhubaneswar (2019)

WORK DETAILS- The entire project is controlled by S7-1200 series PLC which is programmed by TIA Portal software. The integrated TIA HMI was used to control the process from touch panel.

PROJECT NAME- Automatic Stamping Process using PLC.

PROJECT LOCATION- CTTC, Bhubaneswar (2018)

WORK DETAILS- This project was done with a S7-400 series PLC which was programmed in Simatic Manager software. The SCADA screen was designed in WinCC Explorer.

IT PROFICIENCY

- FactoryTalk
- Wonderware
- Archestra IDE
- Simatic Manager
- TIA Portal
- RS Logix
- WINCC Explorer
- MS SQL Management
- FESTO Fluid Sim
- VB Script
- Basics of HTML and CSS
- AutoCAD

KEY RESPONSIBILITIES

- Development, testing and commissioning of HMI and SCADA screens.
- Troubleshooting and debugging of software Problems during the production times.
- Post commissioning support till accurate production.
- Coordinating with the Customer for the smooth implementation of Project Commissioning.
- Responsible for preparing the Industrial Network layout design as per the Project requirement.
- Preparation of operator manuals, Functional Description of devices for effective use of HMI, PLC application by the customer.

PERSONAL DETAILS

- Permanent Address- At/Po: -Sabhamul, Dist:-Jagatsinghpur, Odisha, India, 754114
- Date of Birth: - 16th May 1997
- Language Known- English, Hindi, Odia, Spanish
- Marital Status- Single
- Nationality/Religion- Indian/Hindu
- Interest and Hobbies- Internet surfing & Listening to Music.

DECLARATION

I do hereby declare that the above information is true to the best of my knowledge.

Place- Bhubaneswar

Baibhab Ranjan Senapati

Date-

Signature