

Prasanna Venkateshwaran. V

Contact no: +46761316329

Email id: vprasannaeee@gmail.com

CAREER OBJECTIVE:

Engineer with good knowledge of SCADA/HMI engineering concepts. Supporting SCADA projects end-to-end integration of various IEDs and control center activities. I am open-minded to learn any technology accepting any kind of challenges in the engineering field.

EXPERIENCE:

- Currently working in Nexer AB as a SCADA Consultant from June 2022 to till date.
- Worked in Hitachi Energy as a SCADA/HMI Engineer in HVDC projects from Dec 2019 to May 2022.
- Worked in IL&FS Technologies as a SCADA/DMS Engineer in the Naya Raipur Smart City project from July 2018 to Dec 2019.
- Worked experience in Schneider Electric as SCADA/DMS Engineer in the department of Network Automation from March 2015 to July 2018.

ROLES & RESPONSIBILITIES:

- Worked on SCM, Gateway (Micro SCADA) and HMI (Wonderware) on ABB software.
- Have integrated IED various through **IEC101**, **IEC104**, and **MODBUS**.
- Mainly in the concepts of integrating Electrical field devices into the SCADA application.
- Worked on DMS and OMS applications.
- Quality control and coordination with vendors for resolving various quality issues.

TECHNICAL SKILLS:

- Technical Skills: SCADA system Testing & Commissioning, SCM, Switches Wonderware HMI, Micro SCADA IEC104 and 61850.
- Areas of Interest: SCADA/HMI, Networking
- Operating System: Windows 8/12 (Server), LINUX.

PROJECT HANDLED:

Project: Dogger Bank (Sweden)

- Responsible for Installation of complete MACH and SCADA system
- Majorly on Installation and configuration of Server, HMI (Wonderware), Networking, remote gateway and MACH computers.
- Working on SCADA database, wonderware HMI for HVDC station and AC substation, offshore safety automation systems and subsystems pages.
- Worked on SCM (station control monitoring) application for login, event and alarm handling and group alarms etc.
- Having knowledge in HVDC control & protection system, like installing MACH computers, connection of control lan and protection lan and SCM lan.

Project: RP800 (Raiagrh)– SCADA & HMI

- Responsible for Design and implementing SCADA and HMI(Wonderware) system at Site.
- Responsible for Integration of MACH and 61850 IEDs to Intouch.
- Configured Gateway Micro SCADA server and established connection to a remote system and done testing.

Project: Naya Raipur – Smart Cities (Electrical SCADA)

- Conducted SAT for SCAD & FRTU (HU_BI), RTU (C264) & FPI (G200 Communicable).
- Wonderware Intouch SCADA and SQL database implementation.
- Operation and maintenance are responsible for Wonderware products in ICCC platform.

Project: OPTCL PNP - SCADA/DMS/OMS Project – Successfully handed over.

- Engineering of RTU (C264), FRTU (HU_BI), FPI (G200), and DMS control center activities. Also, performed as site in-charge.
- Conducted SAT for SCAD & FRTU (HU_BI), RTU (C264) & FPI (G200 Communicable).
- Have worked on IEC 101 (Fault Passage Indicator), IEC 104(FRTU), and Modbus (Auto-Recloser).
- 33kV/11kV all SS Auto-recloser (Tavarida make) integrated on Saitel FRTU on Modbus and same has been integrated into SCADA/DMS application on IEC 104 (this SS has made unmanned).
- Have got the appreciation letter from CESU (Central Electricity Supply unit).

Project: R-APDRP Bihar Project - Onsite

- Conducted SAT for SCAD & FRTU (HU_BI), RTU (C264) & FPI (G200 Communicable).
- Worked on Creating HMI in ADMS application.

Project: R-APDRP Kerala SCADA/DMS Project

- Supported for Factory Acceptance test of DMS Control Center.
- Worked on FRTU (HU_BI) on the IEC-104 protocol.
- Have installed all the Control Centre equipment's and made live conditions at Kozhikode

STRENGTHS:

- Adaptability
- Willingness to learn
- Positive attitude towards every aspect and being open-minded.
- Management Skills.

ACADEMICS:

Matriculation 10 th	The New John Dewey Matriculation, School, Villupuram	2008	66 %
DIPLOMA (EEE)	Elumalai Polytechnic College, Villupuram.	2011	67.72%
UG (EEE)	Mailam engineering college, Villupuram, (Anna University)	2014	70.83%

EXTRA CIRCULAR ACTIVITIES:

- Won 2nd prize in **National Level** Technical symposium on the topic of **NANO GENERATOR** at Arunai College of Engineering.
- Participated in **National Level** Technical symposium on the topic of **ENERGY METER READING THROUGH GSM MODEM** at Sri Rangapoopathi College of Engineering.

PROJECT AND INTERNSHIP:**Project: DC-DC CONVERTER WITH FUZZY CONTROLLER FOR LOW-VOLTAGE PHOTOVOLTAIC SOURCES CONNECTED TO GRID**

This project proposes a dc-dc converter with a fuzzy controller for low voltage photovoltaic sources connected to the grid. The voltage stress of the power switches in the converter is reduced at the low voltage side. A dual active clamping circuit is implemented for zero voltage switching on the high voltage side. Power efficiency is improved by reducing switching power loss. A fuzzy controller is also suggested to achieve fast output control.

PERSONAL DETAILS:

Present Address: 72228 Västerås, Sweden.

DOB: 1992-11-07

Languages: Tamil, English & Hindi

DECLARATION:

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

Place: 2022-09-22

Date: Västerås

(Prasanna Venkateshwaran V)