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124/1,5th Cross Street,
Anna Nagar 1st Street, Arcot
Vellore – 632503, TamilNadu,India

Resume of Naveen Kumar.B

Summary of Skills:

- More than 11 years of Experience in design of Control & Instrumentation as well as Control Systems (Foxboro I/A & Tricon).
- DCS Logic Development, Logic Modification, I/O configuration, HMI configuration, Loop Checking and Engineering of Field Instruments
- Worked on Instrumentation and Automation of various process industries like Thermal Power, Fuel Gas Booster Station, Gas/Oil Pipeline and Refinery Plant.
- Project documentation/Engineering, Erection & Commissioning
- Communication both written & verbal, attention to details and ability to work with Utmost Concentration, Adaptable, workload management**.**
- A First class B. Tech in Mechatronics Graduate from SRM University, Mechatronics is a Multidisciplinary field of engineering which is specialized in Automation and Robotics deals controls system, sensing elements, Actuators, Advance Computing, etc.

Professional Qualification

Degree and Year	Institute	Major and Specialization	Percentage
B.Tech (I class) – 2009	SRM University	Mechatronics	78.6
Diploma(I class) – 2006	Swami Abedhanandha Polytechnic College	Electronics-Robotics (Mechatronics)	88.5
SSLC(I class) – 2001	G.V.C. Hr Sc. School, Arcot	Maths, Science	76

Training

- **DCS :** Foxboro I/A series 8.X,9.X & CCS 9.5/CS7.5
- **PLC/SCADA :** Triconex TMR, Trident ,Siemens S7 1500, Allen Bradley, Fox SCADA SCD2200
- **HMI Software :** Fox draw/Fox view, Wonderware Intouch
- **Configuration Tools :**IEE 2.5 , FCS 4.0.1, IACC, ICC, Wonderware Historian , AIM Historian, SOE , Matrikon OPC packages
- **Communication Protocols :** Ethernet, Modbus RTU & Modbus TCP/IP,OPC Client
- **OS Platforms:** Windows XP, Windows 7, Windows 2003/2008 servers

Professional Experience

10+ Years of Experience in Automation Field

Company	SCHNEIDER ELECTRIC SYSTEM INDIA PVT LTD, Chennai.
From	Jun 2010
To	Till now
Current Position	Lead Engineer
Project	KNPC CFP System Upgrade and OTS Upgrade Support
Role	Lead DCS Engineer-Engineering

Responsibilities

- Involved in System Upgarade from Foxboro CCS 9.2 to CCS 9.5 with other Compatible Software packages Installed in this Project.
- Migrating Site Database to Latest CS7.2 version in Cloud setup and checking for errors.

- Supporting OTS team for model upgrade to Latest Site database and help them to understand Logic/HMI changes made on current version of Database available from the old which is commissioned in site OTS setup.

Project BU HASA INTEGRATED FIELD DEVELOPMENT PROJECT (EPC: TR)

Role Lead DCS Engineer-Engineering

Responsibilities

- Reviewed Design Documents like P&ID, IO Index, Control Narrative, Third Party Database, Project Specification ,etc and raise Technical queries.
- Created HMI and Control Logic based on Design Input from EPC during Project Development Phase.
- New way of testing for this project through Cloud machine with EPC/Customer and communicated with Microsoft Teams.
- Involved in Testing for Onpad PLATs and HUBs units of 15 different Locations Like IO check, Control Narrative Loop check, Typical Checks, Third Party Interface Loop Checks, etc

Project KNPC MAA CFP (EPC: JGC)

Role Lead DCS Engineer-Site Commissioning

Responsibilities

- Involved in U-183/283 Control Narrative Complex Loop Checks and Heater Interlock functional check with KNPC customer and EPC Representative.
- Inveolved in System Level SAT -Alarm Shelving functionality ,Asset management System,Alarm Rationalization , Third party communication troubleshooting ,etc
- Leading all activities from CCR control room and single point for contact for Technical discussion during my Site Rotation.

Project KOC FEED PIPELINES FOR NEW REFINERY PROJECT (EPC: SAIPEM)

Role Lead DCS Engineer-Engineering

Responsibilities

- Engineering Document Submission such as IO Allocation, Termination List, FDS, Cabinet layouts & wiring drawings, etc
- Carried out FAT in Italy BOSCO Premises with KOC customer as well as EPC representatives.

Project KOC Al-Zour LNG import Project-Tie in (EPC: HEC)

Role Lead DCS Engineer- (Engineering /Site)

Responsibilities

- Engineering Document Submission such as IO Allocation, Termination List, FDS, Cabinet layouts & wiring drawings, etc
- Carried out FAT Successfully with EPC and Customer with 100% IO checks, HMI and Logic Checks.
- Involved in Commissioning of Tie -in Area and PIG trap Area DCS Loops under this project scope in BS180 plant which was commissioned earlier by me.

Project KOC Booster Station BS180-EF1713 with
KNPC Fuel Gas /Fuel Oil/Gas Oil Pumping Plant (EPC:HDEC)

Role Lead DCS Site Commissioning

Responsibilities

- Driving Commissioning Team Which includes DCS,ESD,FGS and FOCS Engineer.
- Leading DCS Commissioning Team, Involved in Customer Interface meetings and Co-ordinating with Project Team and Reporting.
- Involved KOC Booster Station commissioning activities with DCS system with hardwired/Serial Modbus Packages, AIM Historian with FGS, ESD (Tricon).
- Integration with Other Packages like IA compressor full control, ESD, FGS, FG compressor, DPDU Unit, Flow Metering System, MCS, Analyser House, Etc.
- KNPC Fuel Gas /Fuel Oil Metering and Utility Plant system Commissioning Activities.
- KNPC RM35 Fuel/Gas Oil Plant has been Integrated Successfully with KNPC Existing Mesh Network and Involved for Commissioning Activities.

Project Barzan Well Head Platforms (EPC: HEC)

Role DCS Site Commissioning Engineer

Responsibilities

- Involved Barzan Well Head Platform 1 & 2 commissioning activities with DCS system with hardwired/Serial Modbus Packages, AIM Historian with FGS, ESD (Tricon) and HIPSS (Trident).
- Involved in Cause and Effect checks for PSSDS and F&G system and Functional check for DCS logic with End user for WHP-1 & 2.
- Completed three Barzan Platform and RGA control room.

Project KNPC TRN 4 Commissioning (EPC: Daelim)

Role DCS Site Commissioning Engineer

Responsibilities

- Involved KNPC TRN 4 commissioning activities with IA 8.6 DCS system with hardwired/Serial Modbus Packages, IMAC, AIM Historian.
- Loop Diagram for KOC Booster station/KNPC Pipeline project and complex loop development.

Project JSPL Air Separation Unit Commissioning (Air Liquide)

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Role DCS Site Commissioning Engineer

Responsibilities

- Commissioned of Air Separation Plant of 2X1200 TPD capacities at JSPL, Angul which comprises Liquefied oxygen and Nitrogen and its gaseous products to direct usage. Liquefied products will be stored in common buffer storage utility.
- Involved in Plant -1 commission in progress from IO Loop Checking, Graphics and Logic Modifications as per Plant -2.
- System Includes Foxboro DCS, IA V8.6, IACC, Triconex Safety PLC, AIM Historian, IA Report Package, Modbus serial communication and Triconex SOE.
- Modbus communication between DCS/ Triconex, DCS/Refrigeration Package and DCS/Nitrogen compressor Package

Project NTPC Mauda, Rihand, Vindhyachal (2X 500) MW (EPC:Engineers India)

Role Project Engineer

Responsibilities

- Actively Involved in Hardware BOM check, 100% I/O check with customer for all 6 Areas of Vindhyachal project at Chennai Office.
- Detailed H/W engineering of DCS cabinets, marshalling cabinet, relay cabinets.
- Configuration of Historian using Wonder ware applications.
- Staging and testing of DCS cabinets, PDB, Switch, Server, etc.
- Mesh network configuration using Root and Edge Switches interconnecting all control and plant networks.
- Involved in datasheet finalization of various instruments from other vendors. Vendor interaction for NTPC specifications requirements and compliance. Attending Vendor's place inspection with NTPC Inspector for getting approval for material dispatch.
- Creation of System definition & Configurations, Basic Design & detailed engineering of Foxboro I/A series DCS systems using FCP270 controllers, FBM 200 series base plates and IO modules.
- Involved in freezing of Hardware and Software control loops typical.
- Preparation of GA/IA drawings of system, marshalling, relay and power distribution cabinets, Grounding scheme drawings for DCS supplied cabinets.
- Termination and Wiring database preparation for all DCS cabinets from Marshalling TBs to Signal conditioner boards. Hart Cabinet Design for BHEL I/Os for Hart Management System of around 800 I/O's.
- Involved in power plant applications logics and Graphics Corrections during FAT.
- Project review on a daily basis to achieve maximum quality and on-time delivery with Project Manager and Status of Project material to be Inspected and Shipped.

Company Caparo India Pvt Ltd, Chennai
From June 2009
To May 2010
Position Maintenance Graduate Trainee

Project Die-Casting/Shop Floor Maintenance

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Role Maintenance/Troubleshooting Engineer

Responsibilities

- Machine Control Troubleshooting, New Additional Automation System Installation and Preventive/Scheduled Maintenance Activities.
- Worked with Hydraulic and Pneumatic system, Mechanisms, Linkages, Mechanical & Electrical Actuators and Electronics sensing elements and Controllers, Casting Furnace and CNC Machines
- Configured PLC, Microcontroller and Microprocessor hardware and troubleshooting.

Personal Information:

Date of birth	:	30-08-1986
Nationality	:	INDIAN
Passport	:	Z4435072
Marital status	:	Married
Language Known	:	Tamil, English, German (Beginner)
Willing to Travel	:	Yes
Country Visited	:	Kuwait,Qatar,UAE,Italy,Singapore