

CURRICULUM VITAE

Mahesh Panshanwar (M. Tech - Power System)

Resume Highlight:

- Total Experience is **5.3 years in ETAP SCADA/DMS** **Email:** mpenshanwar@gmail.com
- Currently working with **Noida Power Company Ltd** **Mobile no:** +91-7304496758

Career Objective:

Seeking a position in an organization that provides ample opportunity across the Industry to explore and excel while carving out the niche for personal, professional as well as organizational goal.

Work Experience:

Electrical power system professional having knowledge on Distribution Management System, digital protection relays testing and programming. Power distribution system analysis by using different simulation tool like, load flow studies, Short Circuit Studies, Transient Stability and Relay Co-Ordination on simulation software ETAP. Single line diagram development using AutoCAD.

Career Work Profile:

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|-------------------------------|------------------------------------------------------|
| 1) Organization served | : Noida Power Company Ltd. Greater Noida. U.P |
| Duration | : January 2018 to Present |

Key Projects Handled:

A. DMS on ETAP 18.0 and 20.0

- Responsibilities includes, maintaining utility's SCADA/DMS model and Classification to ensure complete data availability through successful injection of CIM files from GIS.
- Integrate and configure RTUs installed (at different substations and feeders) for SCADA purpose in FEP over IEC 60870-5-104 protocol convert the same to DNP3 protocol via FEP.
- Handling of DMS applications on ETAP software – SCADA, DMS (Distribution Management System) like, load flow studies (Balance and Unbalance), Short Circuit Studies (Balance and Unbalance) and Relay Co-Ordination, Switching Order Management, Switching Sequence Management (SSM), Contingency Analysis etc. Model building in ETAP - DMS using GIS database, like CIM file.
- Facilitate target business users to carry out different real time DMS applications comprising of Intelligent Load Shedding (ILS), Switching Optimization (SO), FMSR and UBSC etc.
- Calculation of Technical Loss Report of a utility's 33kV and 11kV network on monthly basis.
- Maintaining the library and warehouse of different components of utility in ETAP.
- ETAP Microgrid SCADA.

- RMU automation for remote monitoring and control SCADA and DMS that includes Communication setup between GPRS router & M2M Gateway or Wireless Router with NPCL Network, Data Communication over IEC104 protocol, Integration of RMU in SCADA OLV and HMI.

2) Organization served : Nelumbo Icona Controls Pvt. Ltd. Noida, U.P.

Duration : October 2015 to January 2018

Key Projects Handled:

A. Energy Monitoring System, Koradi, Nagpur, Maharashtra.

Scope of work includes the installation of energy monitoring system for 6.6 kV drives and to communicate the data with DCS. Ethernet port is used for Ethernet protocol like Modbus TCP/IP.

Responsibility includes Installation of Energy meters for each drive and demonstration of communication of energy meters with DCS, Installation and termination of AE make HT and LT current and voltage transducers in various HT (6.6 kV) and LT (415 V) feeders.

Installation of Contact multiplier relay to get NO & NC contacts which is used for breaker ON and OFF indication on remote places. Largest team handled is of 8 persons.

B. NTPC, Darlipali, Odisha.

Scope of work includes, Commissioning and Logic testing of digital protection relays of Schneider make VAMP 57,

(Feeder Protection & Motor Protection) Logic includes tripping of circuit breaker for various faults in power system like various stages of over current, earth fault, under voltage etc. Also, operation of circuit breaker through various object like front pad, front port and DCS. Largest team handled was of 2 persons.

C. PSPCL, Jalandhar, Punjab.

Retrofitting, testing and commissioning of digital protection relays of Schneider make VAMP 57 in replacement of old ASHIDA relay, for Incomer /Outgoing feeders in 66/11 KV distribution sub stations in Punjab. IEC 61850 compliant IED's installed by PSPL in three town of Punjab. IED's were integrated with RTU's via Ethernet switches.

The RTU system configured to acquire the data from various feeders of respective substation through IED's (Intelligent Electronic device –Numeric relay). The communication protocol between IED's and RTU is IEC-61850.

This was the part of smart-city grid integration project promoted by Government of India. Largest team handled was of 4 persons.

D. Bharat Oman Refineries ltd. Bina.

Power system Study of complex network of Petroleum Refinery having 220 KV grid source, parallel with 100MW+ captive generation (Steam Generators 33MWX3No, DG 6+2.4+2MW, 2X2 MW grid interactive Solar Power plant) Scope of work involves solution for Grid islanding, transient stability study, Reactive power management after expansion project on ETAP software model.

E. Bharat Oman Refineries ltd (4 MW Solar Power Plant Study)

Study and implementation protection systems for grid interactive solar power plant of 4 MW (2MWx2). This is first grid interactive solar plant in petroleum refinery in India. Completed relay co-ordination, programming of digital relays Areva make, Breaker interlocking by wireless PLC communication at 1 KM distance. Load flow study conducted for system stability.

F. SNC-LAVALIN Canada 12.47 kV sub-station system study

ETAP model development (230 bus) for AC and DC system for 12.47kV sub-station. Sub-station DC system design and battery sizing calculations. Relay co-ordination, Load flow study, Short circuit analysis, LV Motor start up analysis was part of scope. ANSI codes were followed for the system design.

Academics:

COURSE	YEAR	PERCENTAGE
M.Tech. in Electrical Power System Engineering from Dr. BATU, Lonere, Raigad.	2016	71.50%
B.E. in Electrical Engineering from Govt. College of Engineering, Chandrapur.	2013	57.20%
H.S.C from Vishwashanti Dnyanpeeth Jr. College, Rahati, Parbhani. (MH,India)	2008	68.50%
S.S.C from Vishwashanti Dnyanpeeth Jr. College, Rahati, Parbhani. (MH,India)	2006	64.93%

Soft Skills:

Database Ability: MS project & MS office, Windows, MS Power point, MATLAB, ETAP, AutoCAD, VAMPSET.

Management Skills:

Meeting important deadlines is an important aspect of work. So, when planning my approach towards a project, I break it into a smaller task leading up to a project's overall due date and to ensure the project is completed on time.

Participated in Training Program:

- Training at **Steel Authority of IND. Pvt. Ltd. Chandrapur** from 15/03/12 to 29/03/12.
- Vocational Training at **Koradi Thermal Power Station (KTPS) Nagpur** from 21/05/12 to 16/06/12.

Participation in Workshops and Course:

- Participated in two “**2014 IEEE IAS Workshop on Electrical safety in INDIA**”, as a student member during 19th to 21st Nov 2014. Technically sponsored by IEEE Industrial Application society, Organized by IAS/PES Chapter, IEEE Pune section.
- Participated in Two Day Workshop on “**Advances in Future Power System Integration**” Organized by Dept. of Electrical Engineering Dr. BATU, Lonere on 10th & 11th Aug 2014.
- Participated in Two Day Workshop on “**SMART GRID: Issues and Challenges**” Organized by Department of Electrical Under TEQUIP-II, Dr. BATU, Lonere.

Extra-Curricular Activities:

1. Co-ordinate in National Level Techfest- Pursuit 2011.
2. Participation in logistic workshop conducted by Think LABS sinE IIT-Bombay in advance autonomous Robotics on 26-27 Feb 2011, at Govt. college of Engineering Amravati.
3. Worked as a Member in Go Green Project Plantation at Govt. College of Engg, Chandrapur.

Personal Information:

Profile: -	
Name	: Mr. Mahesh K. Penshanwar
Date of Birth	: 6 June 1990
Address	: At. Po. Akhada Balapur, Dist. Hingoli, Maharashtra.
Gender	: Male
Marital Status	: Unmarried
Languages Known	: English, Hindi & Marathi.
Nationality	: Indian
Hobbies	: Reading novels and Books, Playing Table Tennis, Badminton and Chess.

Declaration:

I hereby declare that the above-furnished details are true and correct to the best of my knowledge.

PLACE: Noida

DATE: / / 2021

MAHESH K. PENSHANWAR