

KIRAN VISHWANATH NATKAR**M.E. (Electrical Power System)**

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CAREER OBJECTIVE:

To obtain a position in a dignified organization where I can contribute my technical and soft skills for the benefit of the organization

ETAP AUTOMATION INDIA PVT LTD MUMBAI

(Dec 2016 – Present)

Role: Electrical Engineer**Project 1** – Data collection & Power System studies for Kuwait Oil Company.

Location – South & East Kuwait

Responsibilities:

- Data collection from site for input in ETAP Software.
- System modeling in ETAP16.1 & validation from client.
- System studies for the Main substation and Gathering Centers under B2 Substation.
- **Load flow studies** to check power flow, bus voltage profile and losses.
- **Short circuit studies** of the network to determine fault levels and equipment capability.
- **Motor starting studies** of the network.
- **Relay coordination study** to check proper coordination and tripping of relays in the system.
- Examining and verifying study results which follows client's requirement.

Project 2 – Nasr Full Field Development Project EPC Works for Package-2. For contractor Hyundai Heavy Industries and end client ADMA-OPCO.

Location – Abu Dhabi, UAE

Responsibilities:

- **Relay coordination study** to check proper coordination and tripping of relays in the system
- Subsea cable protection.
- Unit protection calculation.
- **Arc flash analysis** to determine the risk and hazard categories in the system and to provide mitigations.
- Examining and verifying study results which follows client's requirement.
- Technical Report Preparation

Project 3 – Power system study for BLNG network for contractor Shell and end client Brunei LNG

Location – Brunei.

Responsibilities:

- **Transient Stability studies** of the network to check the Faulted and Non-faulted transient studies, Loss of Generation studies, setting of load shed stages using under frequency, df/dt, under voltage and threshold voltage settings.
- **Relay coordination study** to check proper coordination and tripping of relays in the system
- Numerical relay setting for ABB & Siemens relays.

Additional Tasks

- **Library creation** for Relay, MCCB, CB & protective devices in ETAP software.
- Pilot project in **Relay Coordination** of Petronas Rapid Project of Effluent Treatment Plant Malaysia.
- Trained clients on various study modules of ETAP software.
- Understanding of relay software's such as DIGSI, Schneider relay software.
- Basic understanding of PSCAD software

ALVI TECH SERVICES PVT. LTD. KALYAN (E)

(May 2015 – Nov 2016)

Role: Project Engineer (Power System) (1.5 Years Offshore Experience)

- Worked as a **Project Engineer in Project-Relay calibration and Co-ordination of all three assets (MH, N&H, and B&S Asset) of ONGC offshore platforms.**
- Responsible for **Project-Root Cause Analysis and Relay Co-ordination study in SHG Switchgear, SH Complex.**
- System modeling of 11 ONGC offshore platforms network in ETAP 12.5
- Collection of Data from switchgear including Relay settings for ETAP Studies.
- **Load flow, Short Circuit and Relay Co-ordination Studies** of each platform with wellhead in service.
- Relay Testing by using ISSA tester kit.
- Electrical Supervisor License by Gov. of Maharashtra.
- Pilot project on Relay Coordination of ORPIC Refinery, OMAN.
- Grid Ground Calculation of 132/33 kV substation located at Gagrawa, Nigeria.
- Designing and analysis based on various IEC & ANSI Standards.

SHUBHAM ENGINEERS CO. AURANGABAD

(June 2014 – May 2015)

Field Service Engineer

- Understanding of commissioning and troubleshooting the DG sets at site.
- Provide Technical help and guidance to the customer (erector/commissioning engineer) at site to ensure the trouble-free operation of the machines supplied by us.
- Handling in process and customer quality issues.

EDUCATIONAL QUALIFICATION:

Master of Engineering (ME) in Electrical Power System Engineering,

M.S.S. College of Engineering Jalna with CGPA 6.93

Affiliated to Dr. Babasaheb Ambedkar Marathwada University Aurangabad

Project - Design analysis of 220/132 KV substation in ETAP software

- Load Flow Analysis
- Short Circuit Analysis
- Capacitor bank sizing

Technical paper published –

1. Short Circuit Analysis Of 220/132 kV Substation By Using ETAP, in International Journal of Advance Technology in Engineering and Science in Vol. No. 4, Issue No 3 March 2016.
2. Design Analysis Of 220/132 kV Substation By Using ETAP, in International Research Journal of Engineering and Technology in Vol. No. 2, Issue No 3 June 2015

Relevant courses – Power System analysis using ETAP version 12.5.

Bachelor of Engineering (BE) in Electrical, Electronics & Power Engineering,

P.E.S. College of Engineering Aurangabad with 63.80%

Affiliated to Dr. Babasaheb Ambedkar Marathwada University Aurangabad

Project - Remote Monitoring and protection of power transformer using GSM Module.

- Overheating alarm by GSM module by message to operator.
- Use of AVR kit for integration with heat sensor and GSM module.
- Color sensor used to detect breather color which gives alarm message to the operator

Relevant courses – 8051 programming language, C & C++

TRAINEESHIP EXPERIENCE:

Indo-German Tool Room at Aurangabad

- Work as a trainee with IGTR Projects of PLC, for Seven weeks
- Designing of SCADA for PLC with Pneumatics

TECHNICAL SKILLS:

- Power System Software Tools: MATLAB, ETAP, DHEN, PV Syst (Solar Design)
- Underwent 6 months Master Certificate Course In Mechatronics At Indo- German Tool Room At Aurangabad
- Hands on ETAP Software for Analysis and Design of UHV, EHV, HV & LV Electrical Power System
- Hands on MS Office. (Word, Excel and Power Point)

EXTRA CURRICULAR ACTIVITIES:

- Contributed to various events at college through active participation
- Like to spend the lean time in either of listening music, surfing, playing cricket, chess, Computer game.

KEY-STRENGTHS:

- Good communication skill
- Good Leadership qualities
- Hardworking
- Quick learner

DECLARATION:

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

Kiran Vishwanath Natkar