

# CURRICULUM VITAE

## PERSONAL PROFILE:



**SIVA SUBRAMANIAN.V**

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### Personal Data:

Gender: **Male**  
Date of Birth: **25/02/1988**  
Marital Status: **Single**  
Nationality: **Indian**  
Passport: **K2712304**

### Languages Known:

- ❖ English
- ❖ Hindi
- ❖ Tamil

## CAREER OBJECTIVE

A dynamic professional with an inspiration to establish a career in a growth-oriented organization to utilize acquired skills and knowledge in achieving organizational goals, while attaining personal and professional growth, provided an opportunity for enhancing learning graph and career advancement.

## TECHNICAL EXPERIENCE:

- March 2019 to Till Date - Senior Testing and Commissioning Engineer in Kraum & Spruk Technologies W.L.L (Deputation to GE Grid Solution) Bahrain.
- Nov 2015 – Nov 2018 - Testing and Commissioning Engineer in National Excellence for Construction and Energy (NECE), Jeddah, Saudi Arabia.
- May 2013 – June 2015 - Testing and Commissioning Engineer in PDCS Projects India Private Limited, Chennai.
- October 2011 – May 2013 - Graduate Apprentice Trainee in Orchid Chemicals and Pharmaceuticals Limited, Chennai.

## EDUCATIONAL QUALIFICATION

COURSE	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASS	% OF MARKS OBTAINED
BE-EEE	P.R Engineering college	Anna UNIVERSITY	2011	70%
12 <sup>th</sup>	St. Antony's High School Vidhya	State Board	2007	71.2 %
10 <sup>th</sup>	Matriculation School	Matriculation	2005	72.5 %

## PROFESSIONAL SKILLS

- Pre-Commissioning, Commissioning and Routine test of LV, HV and EHV substation Equipment's like Switchgears, Power Transformer, CT, PT, Circuit Breaker, Sf6 Gas, Reactor.
- Configuration and testing of Protection Relays like Transformer Differential Protection, Line Differential Protection, UV/UF Load Shedding Scheme Test, OC/EF Protection, REF & SBEF Protection, Bus bar Protection End to End Test, Trip test and Inter-trip Test. Substation Automation Systems and their Interfacing with Numerical Relays.
- Primary Injection Tests & Stability tests validation of all Protection Schemes. Deploying Final setting & perform General checks & Energization checks to support safe Energization of 66/11KV Substations.
- Scheme and Interlock testing of Control Panels, LCCs, and Switchgears etc.
- Commissioning of 220V&48V DC Battery Charger and Battery formatting.

## CAREER HISTORY

### ❖ **At Kraum & Spruk Technologies Group WLL, Bahrain (Deputation to GE Grid Solutions Projects – March 2019 to Present)**

- Commissioning of 66kv GIS and 11kv Switchgear (VH1H) Tamco Manufactured.
- Testing of CT, PT, Circuit Breaker, Energy meter and scheme check of 11KV, 66kv GIS, Load Shedding, AVR and Protection Panel.
- Configuration and Testing of Protection Relays like Line Differential Protection (P543), Transformer Differential Protection (P632), and Over Current Relay (P14NB), P94V, AVR (RED-DA)
- Interfacing Numerical Relays with the Substation Automation Systems (SAS) by Simulation tests in Protection panels and relays.
- Bus bar Stability and sensitivity tests, Transformer Stability and Sensitivity, Primary Injection.
- Testing of 220V and 48V DC Battery charger, Charging and Formatting of Battery.
- **Major Projects done under GE grid Solutions**
  - 220/66kv Transmission Development Phase-1&4 66/11kv Gharb Nuwaidrat Substation, Bahrain
  - 220/66kv Transmission Development Phase-1&4 66/11kv Janusan, Bahrain
  - 220/66kv Transmission Development Phase -1&4 66/11kv Souq Al Muharaq
  - 220/66kv Transmission Development Phase -1&4 66/11kv Al Dhale
  - Extension of 220KV Bay at Embassy 220/66kv Substation.
  - 220/66kv Transmission Development Phase-1&4 66/11kv Tubli STP SS, Bahrain
  - 220/66kv Transmission Development Phase -1&4 66/11kv AL SAYA SS

### ❖ **At National Excellence for Construction and Energy (NECE) Jeddah, Saudi Arabia (From November 2015 – November 2018)**

- Testing of Power Transformer, Aux Transformer, Oil BDV, NGR, Transformer Primary Stability and sensitivity, REF Primary Stability and Sensitivity, Bushing TAN DELTA, Mechanical Protective Device Operational Check, Cooling Fan Control Scheme & cable High Voltage Test.
- Configuration and Testing of Protection Relays for Distance Protection, Line Differential Protection, Differential Protection, and Over Current Relay etc.
- Testing and Commissioning of 132,33kv & 13.8 KV Switchgear Equipment's (Siemens, ABB and Alfanar)
- Testing Of MCB, MCCB, Aux Relay, Trip Relay, L/O Relays, Timer, L.A TAN DELTA, Energy meter, Trip tests, Bus Stability and sensitivity tests, Transformer Stability and Shunt Reactor Stability.
- **Major Projects done under Saudi Electricity Council**
  - **110/13.8KV AL JOUHARAH Substation, JEDDAH**
    - Testing of Power Transformer 110/13.8/6.6KV (SPTC), Auxiliary Transformer 13.8kV/400V, 13.8kV Cable Test, and Capacitor Bank, MCB, Auxiliary relay.
    - Testing and Commissioning of 13.8 KV Switchgear (Siemens Manufactured).
  - **110/13.8KV AL SHALAL Substation, JEDDAH**
    - Testing of Power Transformer 110/13.8/6.6KV (SPTC), Auxiliary Transformer 13.8kV/400V, 13.8kV Cable Test, and Capacitor Bank, MCB, Auxiliary relay.
    - Testing and Commissioning of 13.8 KV Switchgear (Siemens Manufactured).

- **380/110/13.8KV AL WAHA BSP, JEDDAH**
  - Testing of Power Transformer 380/110/13.8 KV (Hyundai), 110/15/6.6 KV (Hyundai), Shunt Reactor 120MVAR (Hyundai).
  - 380KV Bus bar Stability and CT Primary Injection, Transformer Stability, Shunt Reactor Stability, Testing of CT, VT, CB, Disconnector, SF6 Gas Test, Scheme check of 110KV-Hyundai (Double Bus Scheme), 13.8KV Switch gear (Al-Fanar Make).
- **380/132/13.8KV DUBA Green Power Plant SS**
  - Testing of CT, VT, CB, Disconnector, SF6 Gas Test, Scheme check of 132KV-Hyundai (Double Bus Scheme), 13.8KV Switch gear (Siemens Make)
  - Configuration and Testing of the following Protection relays – Siemens-7SA522, Micom P546, P142 and P143, Bus bar Stability tests and Transformer Stability Test, Shunt Reactor Stability.
- **Tabuk 380/132/33kv BSP**
  - Testing of CT, VT, CB, SF6 Gas Test, Scheme check of 132KV & 33KV Switch gear.
  - Configuration and Testing of the following Protection relays - Siemens 7UT63, 7SJ612, 7VK61
  - Bus bar Stability tests and Transformer Stability Tests and Trip Tests
  - High Voltage Tests for 33kv Switchgear.

#### ❖ **PDCS Projects India Private Limited, Chennai (From May 2013 to October 2015)**

- Configuration and Testing of Protection Relays like Differential Protection, Distance Protection and Over Current Protection. Interfacing Numerical Relays with the Substation Automation Systems (SAS).
- Testing of CT, VT, CRM, CB Timing, CT Primary Injection, Power Transformer Testing, Transformer Stability, REF Stability, and Interlock checking with SAS, Sf6 Gas Dew Point, L.A Tan Delta, Cable HV, and Earth Pit Resistance.
- Scheme Check for Control and Protection Panel Up to 765 kV System.
- **Major Projects involved**
  - **400/220KV New Substation - Tumkuru, Karnataka**
    - Configuration and Testing of the following Protection Relays, Siemens 7SA52, 6MD66, 7VK6101, 7SJ645, 7SS525 and MicomP444.
    - Scheme Check for Control and Protection Panels
  - **TATA Power Company Limited, (110/33KV GIS) Ixora Mumbai**
    - Configuration and Testing of the following Protection Relays, Siemens 7SA521, 7SJ608, 7UT613, 7SJ645
    - Scheme Check for Control and Protection Panels
  - **765/400 KV Salem New Pooling Substation, Dharmapuri**
    - Configuration and Testing of the following Protection Relays Siemens 7SA521, 7SJ608, 7VK6101, 7UT613, 7SJ645 and Micom P444
    - Scheme Check for Control and Protection Panels
  - **JHAJJAR KT TRANSCO Private Limited, 400/220/132kv, Grid Substation (HVPN Limited) Haryana**
    - Configuration and Testing of the following Protection Relays Siemens 7SA521, 7SJ608, 7VK6101, 7UT613, 7SJ645
    - Monitoring & Control of SCADA operated 400/220/132/33 KV Substation
  - **110/11KV GMR Power Plant, Rajahmundry Andhra Pradesh**
    - Configuration and Testing of the following Protection Relays Siemens 7SA521, 7SJ608, 7VK6101, 7UT613, 7SJ645
    - Scheme Check for Control and Protection Panels

❖ **Orchid Chemicals and Pharmaceuticals Limited, Chennai (October-2011 to May-2013)**

- Operation and Maintenance of 110 KV Substation.
- Exposure with Trouble shooting and wiring for DOL, STAR-DELTA, VFD and Soft starter feeders.
- Maintenance and Operation of transformer up to 16 MVA & Documentation work

**NUMERICAL RELAY EXPERTISE**

Line protection	Siemens 7SA522,7SA611, Micom P442, P444
Line Differential protection	Siemens 7SD522, Micom P546
Transformer Protection	Siemens 7UT61X, Micom P632, P633, P643
Over current Protections	Siemens 7SJ6X, Micom P142, P141, GE F650, REF615
Bus Bar Protection	Siemens 7SDX, Micom P746
Bay Control Unit	Siemens 6MD663
AVR Relay	REG-DA -Eberle

**TEST KIT EXPERTISE**

- ❖ FREJA 300, FREJA 543, OMICRON CMC256
- ❖ TTR-330, MTO-330.
- ❖ OMICRON CPC 100, CT ANALYZER
- ❖ MEGGAR, SVERKER 760, MEGGAR MOM, MEGGAR TRM, CIRCUIT BREAKER ANALYZER EGIL TAN-DELTA- Meggar 4000, SCOPE CRM, Oden Kit for Primary Injection.
- ❖ DILO SF6 MULTIANALYZER

**DECLARATION**

I hereby declare that the details furnished above are true to my knowledge and belief.

Date

Yours truly

Place – Manama, Bahrain.

**(SIVA SUBRAMANIAN V)**