**S. SHASHANK GOUD**

☏: 91 9000004807  **✉:shashankSANEM46@gmail.com**

**Manual Testing, Repair and Maintenance of Voting Machines, PCB’s and Antennas.**

**PROFESSIONAL SUMMARY:**

* Knowledgeable Process & Testing Engineer skilled in data collection, analysis and management.
* Works well under pressure and consistently meets targets while delivering high quality work.
* Understanding, Analysing Test requirement.
* Consistent in maintaining the manpower and make them work effectively.
* Perform preventative maintenance or calibration of equipments/ systems.
* Assemble, test or maintain circuitry or electronic components according to engineering instructions, technical manuals, and knowledge of electronics by using hand or power tools.
* Adjust or replace defective or improperly functioning of electronic components using hand tools or soldering iron.
* Identify and repair/ replace equipment malfunctions working with the customer’s requirement.
* Maintain system logs, manuals to document testing or operation of equipment.
* **Duties**: Support engineering initiatives in evaluating manufacturing techniques, solders, fluxes, new equipment installations and recommend solutions both tactically and strategically.
* Flexible, able to work effectively in a team environment or as an individual contributor.
* Excellent Communication, Interpersonal Skills. Quick Learner, versatile, adaptable and process -oriented with high customer orientation.

### Work Experience Summary:

* Worked as Technical Officer on contract at **Electronics Corporation of India Limited** at Hyderabad from **May 2018** to **May 2019**.
* Worked as Engineer Consultant at **Electronics Corporation of India Limited** at Hyderabad through T&M Services Pvt Ltd. from **February 2016** to **May 2018**.
* Trained as Apprentice Trainee at **Electronics Corporation of India Limited** at Hyderabad from **November 2014** to **November 2015**.

**EDUCATION:**

**Graduated in Electronics and Communication Engineering (ECE)** from P. Indra Reddy [M] Engineering College in the year 2014, JNTUH.

**TECHNICAL SKILL SET:**

Programming language: Basic Java, C and HTML.

Testing: Testing and repairing of electronic boards.

Packages: MS-Office (Word, Power Point, Excel, Visio).

Operating System Exposure: Windows7, Windows10, Windows XP

**PROJECTS SUMMARY:**

**Project: Electronic Voting Machines (EVM’s) and VVPAT**

**Role:** Testing and troubleshooting Engineer

**Client:** Election Commission of India and some of the State Election Commissions.

**Environment**: Quality Control, quality maintenance.

**Description:**

**Electronic Voting Machine** (also known as EVM) is voting using electronic means to either aid or take care of the chores of casting and counting votes.

An EVM is designed with two units: the control unit and the balloting unit. These units are joined together by a cable. The control unit of the EVM is kept with the presiding officer or the polling officer. The balloting unit is kept within the voting compartment for electors to cast their votes. With the EVM, instead of issuing a ballot paper, the polling officer will press the Ballot Button which enables the voter to cast their vote. A list of candidate names and/or symbols will be available on the machine with a blue button next to it. The voter can press the button next to the candidate’s name they wish to vote for.

VVPAT: The **Voter Verifiable Paper Audit Trail** (VVPAT) machine allows you to see printed slip for 7 seconds showing the serial number, name and symbol of your chosen candidate. It allows you to verify and confirm that your vote has gone to the candidate of your choice.

**Roles and Responsibilities:**

* Responsible for the delivery of units with better quality.
* Analyzed functional specification document and prepared various test cases.
* Executing the test cases and update the status of success or failure in the document.
* Reporting and identifying the problems which occur during testing.
* Performed re-testing after fixing bugs.
* Interacting with the assembly section and report if there are any fault fixtures.
* Maintaining the manpower and educating them on the unit’s specifications and functionality.

**Project: Control and Instrumentation System maintenance at NPCIL sites.**

**Role:** Electronic boards testing, maintenance & repair Engineer

**Client:** Nuclear Power Corporation of India Limited

**Environment**: Testing software and repair and at sites (NPCIL).

**Description:**

Nuclear Power Corporation of India Limited is an Electrical Power generation company using a Nuclear Reactor filled with Uranium bundles in it. The reactor area is called the field area in which different sensors are present for sensing the different parameters. These parameters are allowed to view in a Control Room which works with the Control Equipments designed and allocated in the Control Equipment Room. These equipments consist of huge systems for maintaining the different parameters and PCB’s. These PCB’s are in a good working condition and when any of these won’t work will be sent to ECIL where testing and repairing is done for these boards using different tools and equipments. Testing software is also available to test the board’s functionality.

**Roles and Responsibilities:**

* Responsible for the delivery of units with better quality.
* Analyzed functional specification document and prepared various test cases.
* Executing the test cases and update the status of success or failure in the document.
* Reporting and identifying the problems which occur during testing.
* Performed re-testing after fixing bugs.
* Interacting with the customer (NPCIL concerned authorities) and report for any change in maintenance.

**Project: BrahMos and Divyadristi**

**Role:** Communication Testing Engineer

**Client:** Indian Army and Air force

**Environment**: Testing room and field antennas

**Description:**

BrahMos is a short range **supersonic missile** that can be launched from aircrafts, submarines, and ships and from land. BrahMos consists of subgroups in which each subgroup has 2 MCP’s (Mobile Command Post) and 5 MAL’s (Mobile Autonomous Launcher). MCP is designed with whole of control systems to control MAL’s. MAL’s consists of huge missile carriers in which missiles are loaded. This is the world’s fastest cruise missile. Here, a beacon signal is tracked and then the carrier signals are sent to the site antenna with certain frequency. By this way, the communication link is established between both the antennas at the site as well as at the location.

**Roles and Responsibilities:**

* Verifying Test Environment.
* Analyzed functional specification document and prepared various test cases.
* Executing the test cases and update the status of success or failure in the document.
* Validate the scenarios by using Skywan login for testing.
* Reporting and identifying the problems which occur during testing.
* Performed re-testing after fixing bugs.
* Used various GPS positions while testing and reporting the errors if occurred.
* Interacting with the clients and fixing the changes if any according to their requirement.

### Declaration:

I hereby declare that all the particulars are complete and correct to the best of my knowledge and belief.

**Place:** Hyderabad

**(S. Shashank Goud)**