

# SHIVANANDA.P.A

No 46, 3rd Main, 5 th Cross, Iyyappa Temple Block,Vannarpet, Viveknagar Post, Bengaluru 560 047

**E-mail:** [shivradhika1997@gmail.com](mailto:shivradhika1997@gmail.com)

<https://www.linkedin.com/in/shivananda-p-a-ob33a421/>

**Phone:** 9148835827

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## CAREER OBJECTIVE:

An Experienced Manager with Industrial experience in Medical and Consumer electronics devices. Skilled in Research and Development Quality testing, Product Transfer to Engineering & New Product Introduction. Specialization in Quality testing, System Verification, Validations, Complaint Handling, Project Management, Process improvements, New component sourcing & Testing, Training for the Engineering team. Expertise in Pre-compliance and Compliance Testing. Qualified Internal ISO Auditor (ISO 13485), Awareness of Medical device standards (IEC 60601), Certified Scrum Fundamental Certified (SFC™) & Six Sigma Yellow Belt.

A consistent performer and appreciated for dedication towards work, completing assignments within specified timeframe. An effective communicator with strong people management which includes performance evaluation and coordination and analytical skills.

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## ACCOMPLISHMENTS

- Successfully Launched Medical products in manufacturing unit with complete technical support.
  - Successfully Launched AOC Monitors in India (14" to 29") and provided complete Technical support for pre-sale and post-sale.
  - Successfully Launched AOC Brand monitors in Iran with complete Technical support.
  - Testing of AOC Brand Mobile Phones, Tablets and compared with Market Analysis.
  - Worked for the AOC - AIO (All In One PC) with Bare bone structure before Launch in India and feed back to GPM Team.
  - Worked as Product Manager for OEM/ODM Brands like HCL,WIPRO,ACER,Zenith,Kobian Brand Monitor and successfully provided the Technical support throughout Product cycle.
  - Technical Training for Internal and External customers.
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## AREAS OF EXPERTISE

- Design Transfer to Product Engineering Team.
  - New product Introduction & development.
  - Product Engineering & Reverse Engineering.
  - Product Quality Testing and Analysis.
  - Product Validation and Verification.
  - Firmware Testing & Hardware Testing.
  - Technical Training for Internal and External customers.
  - Product documentation.
  - Preparation of ISO documentation and Maintenance of the same.
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## **PROFESSIONAL EXPERIENCE**

**PRADIN Technologies.**

**Aug 2015 - Present**

**Role: Manager Test & Quality.**

### **Project: Fetal Monitor**

The device is a new generation abdominal ECG acquisition module for electronic Fetal monitoring without the conventional transducers.

- Built the complete Prototype assembly of the Unit.
- Testing of the Hardware with respect to the design requirements.
- Completed extensive testing of the Prototype unit at one of the reputed Hospital and noted their observation & reported to the design team for firmware correction.
- Validation of the proto unit with different versions of the Firmware.
- Test reports are documented and maintained.

### **Project: VISION Chart**

Digital Vision chart with simple user interface, Bluetooth Remote Control. For use extensively by ophthalmologists and optometrists.

- The Chart has been displayed in the computer Monitor with various Acute test for the Human Eye.
- Testing of each function in the menu and observed for bugs while testing.
- Extensive testing for the malfunction of the firmware.
- Verification and Validation done with different Firmware version.

### **Project: RTTC (Reinvent the toilet challenge)**

This is new concept project and completed design stage, the goal is to reduce wash water and waste treatment using Ultrasound technology. The Project assigned by BIRAC and Bill Gates foundation.

- Built complete assembly of the Prototype units.
- Validation and verification of the prototype unit.
- Laboratory experiments (DOE) are done as a module wise and completed.
- Preparation of Test method for the Module and for the complete unit assembly and Documented the final reports.
- Field trial to be done with modified and complete unit.

**Top Victory Investment Ltd**

**June 2008 — June 2015**

**Role: Deputy Manager**

### **Roles and Responsibilities:**

#### **1. AOC /PHILIPS /NEC/TOPVIEW Brand Monitors**

- In charge of Monitor product development and management for TPV's own brand monitors, namely AOC, Philips, NEC (for NEC, small sizes licensed to TPV) and Top view brand.
- Monitoring the Product development once the model is kicked off from design stage to till Mass production and Interacting directly with Product Managers at HQ and at China factories. Hence have experience interacting with Chinese/Taiwanese managers, to effectively communicate proper and exact requirements, making them understand and ensuring the same is implemented.

- Collecting, maintaining and updating of all technical documents related to the product during its lifetime. Preparing the product specification sheets for all models, for use by sales and marketing teams. Approval of all product related information on company website, as well as all other marketing material such as brochures, flyers before printing. Would also discuss with marketing team to decide on how to present product information and what are the USP of the products points and features were to be highlighted.
- New product training to internal teams i.e. sales, service and logistics teams. This included product demonstration and technical training for internal teams as well as making and distribution of such training information. For the sales/marketing team these discussions would focus on USP's of the product and advantages over competitor models. Also, participated in Dealers and Partner meets for one to one training/demos on new or upcoming products.
- Supported the service team in terms of Standardization of Parts, so that the Inventory has been reduced at ASP.
- In charge for the CKD kits assembled in Iran and Successfully launched AOC brand Monitors in Iran.

## **2. OEM/ODM Brand Monitors**

- In charge of Monitor product development for several key OEM/ODM customers namely HCL Info systems, Wipro, Kobian (Mercury brand), eSys Acer & Zenith.
- Pre-and post-sales support to above customers which includes product development, getting product safety certifications, customer approvals, addressing the quality issues, and controlling the process quality as per TPV standard in case of SKD.
- Interacting and coordinating with Factory Product managers, R&D and Logistics contacts to ensure timely and error free product development and delivery to customers. Act as a link in conveying information from Factory to OEM/ODM customers and vice versa during the entire product development process.
- Collection and checking of all technical documents and preparation of product specification sheets for sharing to the customer as per their requirements.

**BPL Limited - Medical R&D**  
**Role: Assistant Manager**

**Jan 2001 – June 2008**

### **1. Defibrillator**

- Integral part of the New Product design team.
- Analysis of the Analog and Digital circuits with competitor design.
- Identification of New components, Development, sourcing and Evaluation of the same.
- Involved in the development of the Indigenous parts like Discharge Coil, Power Transformer, cables etc.
- Prototype building and Assembly of the Electrical & Mechanical parts and identify the challenges during the Mass production and rectifying the same.
- Initial Testing of hardware and Firmware and Evaluation of the Product and the Trouble shooting at PCB level.
- Preparation of the Technical Documents of the new product like, Circuit diagram, BOM, User manual & Assembly procedure.

### **2. ECG Recorder.**

- Verification and Validation with respect to Hardware and Firmware of the Prototype product.
- Product compliance testing like Safety and EMI/EMC.
- Preparation and Maintenance of Technical documents.
- Field evaluation done in various hospitals, clinics and Laboratories. Collected the differences with competitor product and implemented the same in our product.

### 3. ECG Recorder

- Integral part of the design team and successfully developed with the existing tooled parts with minimal changes.
- Prototype building and Validation (Hardware and Firmware testing) of the Product.
- Field trial done at one of the reputed Hospital and observation are documented and reported.
- Responsible for the Technical documents and maintenance.

### 4. Mono chrome Patient Monitor (ECG, NiBp, Spo2)

- Testing and Evaluation of the Developed Patient Monitor.
- Firmware evaluation and observing the bugs in the Firmware and rectifying the same with the Development team.
- Responsible for the Technical documents and maintenance.

### 5. CNS (Central Nursing station)

- Involved in the development of the CNS software with competitor products.
- Completely involved in the testing CNS system with different Firmware versions and reduced the firmware bugs. Feedback to design team for Correcting the malfunction observed with the Firmware.

### 6. STS System

- The Stress test system used along with Treadmill unit. The Complete installation of the Treadmill done at the BPL lab for the Testing purpose.
- Installed the complete setup at one of the leading hospital in Kerala and it was successful.
- During the Field-Testing Firmware evaluation also done before launching the product.

#### **BPL Limited - Monitor R&D**

**Sep 1997 – Jan 2001**

#### **Role: Assistant Engineer**

- Involved in the development of CRT Monochrome and Colour Monitor in the range of 14" ~19" & these monitors are exported to USA (Kleer Brand).
- Prototype unit assembly and Testing.
- Evaluation and approval of Class A & Class C components.
- Manufacturing support - NPI, Training, Process improvement & Reduce process rejection.
- Technical document preparation and maintenance.

#### **Electronic Research Ltd - QA**

**April 1992 – Sep 1997**

#### **Role: Technical Assistant**

- Quality Assurance for the Incoming and Outgoing Product Fly Back Transformer & Deflection yoke for the Monochrome TV.
- Process Improvement & Calibration and Maintenance of Test and measurement equipment.
- Vendor development.
- Implementation of programs in QC circle, Worker training on quality aspects

## **QUALIFICATIONS**

### **Diploma Electronics & Communication Engg - May 1991**

Vivekananda Polytechnic. Puttur, Karnataka.

### **Pre-University College — Apr 1988**

S.D.M College Ujire, Karnataka.

### **S.S.LC— April 1986**

Government Junior College Belthangady.

### **Additional Qualification**

PG Diploma in Microprocessor and Computer hardware from NCCT – Bangalore.

Diploma in Python Programming.

Diploma in Software Testing

SCRUM Fundamentals Certified – SFC™ - Licence no 678891

Six Sigma Yellow Belt Professional -Licence no 678897

Attended Training on the Safety of X-Ray product at BARC Mumbai.

### **Computer Literacy**

Knowledge in C & C++ & Python

### **Skill Sets:**

Good Communication and interpersonal skills, working on schedules, Creative & Proactive.

### **Personal Information:**

Date of Birth : 19.09.1970

Sex : Male

Marital Status: Married.

Nationality : Indian

I do hereby declare that the particulars of Information and facts stated herein above are correct and complete the best of my knowledge.

Place: Bengaluru

Date:06.04.2020

(SHIVANANDA.P.A)