

Curriculum Vitae

Name - Pranali V. Girigosavi.

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Career Objective:

Seeking a responsible and challenging position with a dynamic organization which offers opportunities for personal and professional development and where I can best utilize my knowledge and skills.

Summary:

Highly motivated and energetic Biomedical Engineer with experience in Electro-Medical Equipment Testing, maintenance and repairing. Certified RSO & QA Engineer for Diagnostic Radiology from BARC Mumbai. Good Knowledge of Software testing manual as well as automation tests Tools of HP.

Academic Credentials:

- Diploma of Software Testing with HP Automation Tools in 2015 from Seed InfoTech Pvt.Ltd. Pune with "A" Grade
- M.E. E&TC (Signal Processing) in 2014 from Pune University with 65%, 7.25 CGPA
- Qualified 2011 Gate examination with 86.09%
- Diploma of Embedded system design from ATS InfoTech Pvt. Ltd Pune with "A" Grade
- B.E Electronics in 2010 from Pune University with 57.33%
- Diploma of E&TC in 2007 from Government Polytechnic Pune with 76.38%
- Secondary School Board in 2004 from Pune Board with 81.33%

Trainings:

- Completed Certificate course of **Hospital Management** -2017.
- Completed "**Calibration Techniques for Electrical, Temperature & Pressure Parameters**" Course of 3 Days from STQC Pune in 2015.
- Completed "**Radiation Safety Certification for Service Engineers in Diagnostic Radiology**" Training Course of 5 Days from BARC Mumbai in 2015.
- Completed "**Workshop on Uncertainty of Measurement in Testing & Calibration**" course of 2 Days from CII Pune in 2014.
- Completed "**Laboratory Management & Internal Audit as per ISO / IEC 17025:05**" course of 4 Days from CII Pune in 2014.
- Completed "**Quality Assurance of Diagnostic X-ray Equipment**" Training Course of 10 Days from BARC Mumbai in 2014.

Professional Experience: 7 years 5 Months

Currently Working:- Prakash Hospital & Research Centre Urun Islampur
Role: Biomedical Engineer

Responsibilities:-

- Purchase of equipment's.
- Writing specifications for all the new equipment's & machinery.
- Evaluating the equipment & machinery on the basis of its initial cost as well as its operating cost: since many times, the high maintenance & operating cost of the equipments turns out to be much higher than the initial cost.
- Inspection of incoming equipment & machinery and doing pre-acceptance checks before official acceptance & payment.
- Maintaining records; for e.g. equipment history.
- Setting standards & ensuring their compliance.
- Maintaining the equipment to the best of its performance by organizing a planned maintenance program for all equipment's and attending to emergency breakdowns and repairs.
- Arranging for training programs for personnel in clinical engineering department as well as the end users.
- Advising & providing expertise to the medical staff & administration.
- Maintaining equipment inventory for all existing & incoming equipment's.
- Active involvement in the activities of the hospital's safety committee & checking safety hazards.
- Monitoring contract services viz. A.M.C. and C.M.C.
- Keeping record of the Spares/consumable items.
- Preparing NABH related documents, records and maintaining it on daily basis.
- Extra activities related to administration departments as charity work, MJPJAY health camp activity etc.

Past Experience: Cyronic Instruments Pvt. Ltd
Role: Testing/ Calibration Engineer

Work with Cyronic Instruments Pvt. Ltd as manual tester on different types of testing like GUI Testing, Functional Testing, System Testing and Usability Testing.

Responsibilities:

- Performed GUI, Functional testing of Electro-Medical Equipments like ventilator, monitors, ECG machine and defibrillator etc of different manufacturers used in hospitals.
- Quality Assurance of diagnostic Radiation equipments like X-rays, CT scans machines.
- Prepared test cases or procedures, test reports& raise defect.
- Provided as much as possible support to the biomedical engineers for resolving critical defects. Support provided them for defects retesting & for defects reproducing.
- Involved in Smoke Testing, Regression testing& customer query solving
- Worked on Project of NABL Accreditation for Laboratory: Prepared Quality Manual, Standard operating Procedures, Testing / Calibration Procedure Manual for implementation of ISO/IEC 17025:2005 for NABL Accreditation.
- Completed AERB Accreditation to Provide Quality Assurance Services of Diagnostic Radiation Equipments.

Technical Skills:

Testing Tools:-Bugzilla, Test Link.

Automation Tools:-Selenium, UFT (Unified Functional Testing Tool), Load Runner, Application Lifecycle Management

Programming Languages:-C,C++, Basics of SQL, Perl

Software's known:-NS2.34 Software, MATLAB, Simulink, LABVIEW, Keil, Xilinx, eclipse, Diptrace, Microsoft Office etc

Operating Systems:-Red Hat Linux, Ubuntu 10.04, Window 98/2000/XP/Vista.

Academic Project Experience:

1. Name of Project:- "A IEEE 802.15.4 MAC Protocol with Adaptive RTS/CTS to Avoid Collisions for Multi-Hop Sensor Network ". (M.E. Project at Pune University) (June 2012 To Dec 2013 Cummins College of Engineering Pune)

Description: Implemented MAC Protocol for Wireless sensor network with collision avoidance method to reduce the energy requirement of nodes to prolong lifetime of WSN. IEEE 802.15.4 Protocol adopted modified CSMA/CA to avoid the control overheads and achieve low data rate, but its performances gets poor in multi-hop network for the hidden terminal problem. To avoid it here used adaptive adoption of RTS/CTS depending on the collision result of transmissions and measure its performances in NS-2. Network Simulator 2 (NS2.34) software is used for simulation

of network in which script is written in C++ with an OTCL as a frontend interpreter. The simulation results show that adaptive use of RTS/CTS outperforms over a method which uses RTS/CTS every time before sending data packet and IEEE 802.15.4 unslotted CSMA/ CA in energy consumption, end-to-end packet drop rate and Throughput.

Publications:

1. Presented a Paper entitled “**A MAC Protocol with Interference Avoidance Mechanism for Wireless sensor network**” at ICIEEE held at Pune on 16th June 2013.

Personal Details:

Date of Birth:-16/09/1988

Marital Status:-Married

Languages Known:-English, Hindi, Marathi

Permanent Address:-Ap:-Visapur Tal -Tasgaon District – Sangli 416314

Pranali V. Girigosavi.

Date:

Place: Sangli