

## **B. TECH ELECTRONICS AND COMMUNICATION WITH 10.5 YEARS OF EXPERIENCE**

### **Career Objective**

To seek the position as an **Engineer**, and to utilize my skills, proficiency and experience in any reputed organization.

### **Personal Details**

Name : Mr. Praveen. T

Date of Birth : 16-05-1985

Nationality : Indian

Country : India

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### **Educational Qualifications**

Course	Year	University
B-Tech (Electronics & Communication)	2010	SCT College of Engineering, Trivandrum, Kerala University
Diploma in Electronics	2006 (3 Year course)	Government Central Polytechnic Trivandrum, Kerala university
Plus-2	2002	A.M.H.S.S Trivandrum, Kerala university
SSLC	2000	Vidyadhi Raja Vidya Mandir, HSS, State Board of Public Examinations Kerala

### **Professional Experience**

- Total Work Experience – 10.5 years
- Experience in Electronics Space Package Testing (Hardware)
- Experience in environmental test for space packages (Indian satellite research organization-ISRO)
- Experience in DO-160 standard testing.

Position	Period	Organization	Type of Job
Production Engineer/Testing Engineer	February 2011- July 2021	Ananth Technologies Limited, Trivandrum	Full-Time

**About the company:**

Website: [www.ananthtech.com](http://www.ananthtech.com)

Ananth was incorporated in 1992 to support the growth of the Indian economy through leveraging aerospace technologies. Our twin offerings include the manufacture of critical aerospace systems and high-value geospatial services. These products and services have been both internationally certified (AS 9100C & ISO 9001:2008) and recognized by our clients. Ananth is a strong and reliable partner in both the local and global aerospace supply chains. Our systems have been integral in about 50 launch vehicles and close to 100 space crafts. In addition, Ananth's Geospatial services enable activities across the spectrum from town planning to infrastructure building. Expertise, Quality, and Focus are the guiding principles at Ananth.

**Project Details**

Electrical Testing of space /payload packages: (Functional, continuity, environmental test and command check- (board level and package level)

1. DPU, ICU, CMM, SBU, PYCM, SDAM, ATS-PSM, EB-INSTPSM, EBNGC PSM, DC-DC converters (power module), Safe Arm Relay Box.
2. Testing of space and defense and satellite packages.
3. Managing all activities of ISRO projects, project management, guiding technicians, testing engineers and quality controllers.
4. Overall production in charge of packages from IISU/MVIT/LPSC
5. Supervising and supporting electrical/electronic modules from PCB layout assembly of parts, including mechanical chassis.
6. Perform detailed tests on electrical modules to ensure their compliance with the requirement
7. Scheduling projects according to requirements from satellite /payload
8. Missions of Indian space research organization projects.
9. Detailed knowledge of electrical components and electrical circuits.

## Professional Roles

1. Testing Engineer: 2011 Feb to 2016

1. Testing of ISRO projects (MVIT/IISU/LPSC) power, power switching, and relay modules, for the functional, load and continuity and signal responses.
2. RF Projects – Testing of RF (microwave frequencies) communication packages for VSSC.
3. Circuit tracking and debugging of wiring mistakes and failures.

2. Production Engineer: 2016-2018.

End to end involvement in Space Package Fabrication both technical and administrative, that includes tender submission to final package delivery and invoice preparation. Understanding fabrication procedures through documents (CCD), guidance to technicians, mechanical fabrication and quality controllers.

3. Production Manager 2018 – 2021

1. Man power planning, production planning
2. Organizing and attending client meetings for future projects.
3. Over all maintenance of fabrication lab that include finance management
4. Inventory management

4. Administration and Human Resource management

Setting up the biometric attendance management system for monitoring and management of the employees at the Centre. Management of team 25 members which includes technicians, lab assistants and testers.

## Academic Projects

- “Gyroscope power supply circuit and its output calculation” using Visual Basic 6, a model to show the error calculation from the output of gyroscope at IISU VSSC, as part of Diploma in electronics.
- “DSP based control system for dynamically tuned gyroscope”, done at IISU VSSC, as main project for B-tech.
- “Automatic room light control circuit with visitor counter” as mini project for B-tech

## Additional Qualifications

1. **Post Graduate Diploma in Industrial Automation from SMEC labs:** Well versed in PLC & PAC Programming, SCADA/Touch Panel Programming (HMI) and Industrial Networks & Communications.
2. **Programmable Logic Controllers (PLCs):** ALLEN-BRADLEY: MicroLogix 1200 & 1400 Series; SIEMENS: S7-200 Series, SCHNEIDER ELECTRIC: Twido, MODICON: M340 and GE FANUC: Versamax Microcontroller, DELTA: DVPSS Series & OMRON CP1E-NA, ABB

3. **Supervisory Control and Data Acquisition (SCADA) Systems:** GE FANUC: Intellution iFIX v5.0, INVENSYS: Wonderware InTouch with Factory suite v10.0, SCHNEIDER: Vijeo Citect, and ROCKWELL AUTOMATION: Factory Talkview, Wincc
4. **Variable Frequency Drives (VFDs):** SCHNEIDER ELECTRIC: Altivar 28, 31 Series.
5. **Human Machine Interface (HMI):** SCHNEIDER ELECTRIC: Magelis XBT-GT / XBT-N series.

## Others

- 6 months Certified course in **visual Basic 6.0 from NIIT**
- 3 months certified course in **C & C++**
- Good knowledge in Computer hardware and networking and Windows Operating systems.
- Programming Languages: C, C++, HTML, PHP.
- Office packages like Microsoft office package, adobe Photoshop, flash3

## Languages Known

English : Read, Speak & Write  
Hindi : Read, Speak & Write  
Malayalam : Read, Speak & Write

## Strengths

- Hard Working
- Goal Oriented
- Involvement in community programs, extra-curricular activities and being on the honor role has taught me the importance of setting up of priorities in my work, leisure and studies. I am able to maintain quality performance in any areas where I am.

## Field of Interest

- Interested in design and development of embedded systems.
- PCB Testing & fault analysis
- Tele Communication Field
- Android programming

## My Hobbies

Reading, Sports, music, driving, travelling and exploring different cultures across globe.

## **References**

To be provided on request.

## **Declaration**

I, Mr. Praveen. T do hereby certify that all the details furnished above are true to the best of my knowledge; and I am willing to prove it with the support of valid documents if necessary.

Place: UAE

Name: Mr. Praveen. T

Date: 13-1-2022