

# Pinta Maria C.J

Biomedical Engineer

Email: [pintamariacj@gmail.com](mailto:pintamariacj@gmail.com)

Mob: +91 7591-939-146



---

## Objective

To work in a dynamic and challenging environment which provides me the opportunity to improve my skills and knowledge while contributing to the symbolic growth of the organization with my technical, innovative, and logical skills.

---

## Professional Summary

Highly skilled and talented Biomedical engineer with 5 years of experience in electronic circuit designing and medical equipment troubleshooting and maintenance. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team. Excellent problem-solving, presentation and communication skills.

---

## Professional Experience (5 years)

- **Biomedical Engineer at Chaithanya Eye Institute, Palarivattom.**

MAY 2022-PRESENT

- Provide technical advice and expertise to administration, medical and paramedical staff.
- Organizing a planned maintenance program for all equipment and attend to regular or emergency breakdown and repair of equipments.
- Good technical skills, Documentation and Record keeping skills.
- Ability to maintain confidential information and to create a safe environment.
- Appeared for NABH first level inspection and performs duties with the aim of ensuring that medical equipment in various departments are in their best working condition and are being effectively utilized.

- **Biomedical Engineer at Chaithanya Eye Hospital & Research Institute, Trivandrum.**

FEBRUARY 2021-PRESENT

**Key Responsibilities:**

- Maintenance & Troubleshooting of Medical equipment.
- Preventive Maintenance, servicing & monthly calibration of tonometer, monitor, ECG machine, Cautery, Anaesthesia machine, slit lamp microscope, defibrillator, LensX and Laser Machines.
- Coordinating with the biomedical team and operating with the theatre staff.
- Giving equipment training to clinical students as well as the interns & user departments.
- Documentation of breakdown calls and preventive maintenance.
- Vendor and customer management.

- **Biomedical Apprentice at Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum.**

JANUARY 2020- JANUARY 2021

**Key Responsibilities:**

- Documentation of stock inventory design.
- PCB designing using Proteus
- Soldering and troubleshooting electronic circuits
- Hands on experience with ETO sterilizer, ultrasonic cleaner, coil winding machine.

- **Sales Co-Ordinator at Amigo Medical Systems, Ernakulam.**

AUGUST 2019- JANUARY 2020

***Key Responsibilities:***

- Coordinate with operating staff for the upkeep of the equipment in perfect order.
- Maintained good rapport with the clients and vendors and clear the doubts regarding the products' warranty and service.

**Biomedical Trainee at**

**1. Medical College, Thrissur.**

FEBRUARY 2019- JULY 2019

**2. P.V.S Memorial Hospital, Ernakulam.**

JULY 2018- JANUARY 2019

***Key Responsibilities:***

- Daily routine checkup for medical equipment kept in various departments like ICU, OT, Endoscopy, Dialysis, Casualty, X-ray, Ultrasound, OP room.
- Update service history and maintain proper documentation.

## Internships

Internship at St. James Hospital Chalakkudy and Jubilee Mission Medical College Thrissur as Trainee in 2016 and 17.

---

## Certifications

- Certified MATLAB training- LAXMI INFOTEK
- Certified LensxFemto Second Laser training at Chaithanya Eye Hospital and Research Institute, Trivandrum.
- Certified for e-learning module "IMPROVING PATIENT OUTCOMES WITH REMOTE PATIENT MONITORING IN HDU" by MEDTRONICS

---

## Education

- **Bachelor's in Biomedical Engineering**  
Sahrdaya College of Engineering and Technology, Kodakara, Thrissur(2014- 2018)
- **Higher Secondary**  
Little Flower GHSS, Chelakkara, Thrissur (2012-2014)
- **High School**  
Little Flower GHSS, Chelakkara, Thrissur (2011-2012)

---

## Projects Done

**Smart Arrhythmia Detector** at Sahrdaya College of Engineering & Technology, Kodakara, Thrissur, 2017-2018

- Arrhythmia is the irregular heartbeats, and it is very common thing in everyone now a days.
- Extremecases of this condition might lead to death etc.
- So, through this project, the aim is to monitor the variations in ECG wave and to make people awareabout their condition of heart and to reduce it by early detection with the aid of a smart jacket.

- Physiotherapy is treatment for many who suffer from pain in the back or neck, or joint pain.
- This system will lead to provide joint exercises that can be done at our home itself. We will provide a set of exercises.
- Using a flex sensor, it is possible to detect the voltage corresponding to the bend and can be converted into angle.
- When the exercise is stopped for more than 20 seconds, the system will give a voice alert to the patient to continue the exercise.
- A low-cost measurement and analysis system has been made using flex sensor so that patient can use it at home to measure his or her foot pressure. If the system detects a problem, it can send an alert to the doctor.

---

## Reference

Sarath S Nair  
Engineer  
SCTIMST Poojappura  
BMT Wing, Trivandrum  
[saraths@sctimst.ac.in](mailto:saraths@sctimst.ac.in)

9995291660

Jibin Jose  
Asst. Professor  
Sahrdaya College of Engineering &  
Technology ,Kodakara  
[jibinjose@sahrdaya.ac.in](mailto:jibinjose@sahrdaya.ac.in)

9946983296

---

## Personal Details

Address : Chalakkal house,  
Venganellur P.O  
Thrissur-680586

Date Of Birth :23/09/1996

Father's Name :James C D

Marital Status :Married

---

## Declaration:

I **Pinta Maria C.J** hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it.

Date:  
Place:

**Pinta Maria C.J.**



