

PINTA MARIA C J

BIOMEDICAL ENGINEER

Dedicated and highly skilled biomedical engineer with strong background in designing, developing, and implementing innovative medical technologies and solutions. Adept at combining engineering principles with medical knowledge to improve healthcare delivery, patient outcomes, and medical device efficiency. Proven track record of collaborating with cross-functional teams and translating complex technical concepts into practical solutions. Committed to advancing the field of biomedical engineering through continuous learning and application of cutting-edge technologies.

KEY SKILLS

Medical Device Design	Quality Control and Analysis
Research and Development	Clinical Engineering
Maintenance and Repair	Project Management
Biomedical Signal Processing	Biomedical Instrumentation
Data Collection and Analysis	Medical Terminology

EMPLOYMENT CHRONICLE

- ❖ **BIOMEDICAL ENGINEER** **May 2022 - Present**
Chaithanya Eye Institute, Palarivattom , Kerala, India
 - 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.
 - Analyze and interpret data collected from medical devices and experiments to draw conclusions, make recommendations, and improve product performance.
 - Calculation of uptime and utilization of major Equipments.
 - 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** **February 2021-May 2022**
Chaithanya Eye Hospital & Research Institute, Trivandrum, Kerala, India
 - Maintenance & Troubleshooting of Medical equipment.
 - Preventive Maintenance, servicing & monthly calibration of tonometer, monitor, ECG machine, Cautery, Anesthesia 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.
 - Effective management of both vendors and customers to achieving the overarching goal of improving healthcare outcomes and patient care.
- ❖ **BIOMEDICAL ENGINEER** **January 2020 – January 2021**
Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, Kerala, India
 - 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.

PERSONAL DETAILS

Mobile	+91 7591939146
Email ID	pintamariacj@gmail.com
Address	Tharayill house, Nettissery PO, Mukkattukara Thrissur-680651, Kerala, India
Nationality	Indian
D.O.B	23.09.1996
Gender	Female
Marital Status	Married

ACADEMIC CREDENTIALS

2018	BACHELOR OF ENGINEERING IN BIOMEDICAL Sahrdaya College of Engineering and Technology, Thrissur, Kerala, India
2014	HIGHER SECONDARY Little Flower GHSS, Chelakkara, Thrissur , Kerala, India

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

LANGUAGES

- English
- Hindi
- Malayalam
- Tamil

HANDS ON EXPERIENCES (On Lens)

- Wavelight EX 500
- Wavelight FS 200
- Schwind Amaris
- Leica m844 , Leica M220 F12
- Zeiss Cirrus 6000, HFA 840
- Lipiview, Lipiflow
- Zeiss Lumera 700, Lumera i
- Fabius GS Premium, Boils Machine
- Drager EVITA, SAVINA, ENGSTROM PRO (GE)
- ECG PAGEWRITER 20, COMEN CM 200
- Phacomachine oertli, Alcon constellation

INTERNSHIP

- Internship at St. James Hospital Chalakkudy and Jubilee Mission Medical College Thrissur as Trainee in 2016 and 2017

COMPUTER SKILLS

- MS Word
- MS Excel
- MS PowerPoint

REFERENCES

- ☐ Sarath S Nair
Engineer
SCTIMST Poojappura
BMT Wing, Trivandrum
saraths@sctimst.ac.in
9995291660
- ☐ Jibin Jose
Asst. Professor
Sahrdaya College of Engineering & Technology, Kodakara
jibinjose@sahrdaya.ac.in
9946983296

HOBBIES



Song



Movies



Travelling

❖ BIOMEDICAL SALES COORDINATOR Aug 2019 – Jan 2020

Amigo Medical Systems, Ernakulam, Kerala, India

- 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.
- Monitor and manage inventory levels of medical systems and equipment, ensuring that products are available for immediate delivery to meet customer demands.

TRAININGS

- ❖ Biomedical trainee at Medical College, Thrissur, Kerala (Feb 2019-July 2019)
- ❖ Biomedical trainee at P.V.S Memorial Hospital, Ernakulam, Kerala (July 2018-Jan 2019)

Key Responsibilities

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

PROJECTS

❖ Smart Arrhythmia Detector

Sahrdaya College of Engineering & Technology, Kodakara, Thrissur, 2017 - 2018

- The aim is to monitor the variations in ECG wave and to make people aware about their condition of heart and to reduce it by early detection with the aid of a smart jacket.

❖ Aido-Care for Physiotherapy Patients

Sahrdaya College of Engineering & Technology, Kodakara, Thrissur, 2016 - 2017

- 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.

ACCOMPLISHMENTS

Involved in

- NABH Accreditation documentation
- Conducting technical training for user department in proper period
- Managing the purchase of consumables, contracts with the management

DECLARATION

I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.

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