

Shakthibalan K

Objective

I am a Biomedical Engineering graduate with practical experience as a service engineer and skills in maintenance and calibration of medical devices. I thrive in collaborative environments and am dedicated to improving patient care through technology. My experiences in hospital have equipped me with a solid foundation in both preventive and corrective equipment maintenance.

Experience

Service engineer 01-02-2023 - 01-07-2023

Ultrasound service engineer

Worked during final semester providing ultrasound equipment services

- Working as service engineer in my final semester, My college allowed me to work along with studies.
- As a freshman I join in service engineer for ultrasound my colleague's helped and trained me in short time of period.
- In First I worked as a support Engineer for my colleague, in a month I learnt and do the service on my own.
- I had a knowledge and service experience in preventive and corrective maintenance in Ultrasound mechine.
- My role as service engineer in ultrasound, Preventive maintenance for AMC and CMC equipment, Diagnostic the Problem, Error logs, corrective maintenance.

Biomedical engineer 21-08-2023 - 04-01-2025

Kauvery speciality hospital & kauvery Mother and childcare hospital

Evolved as a Biomedical engineer responsible for maintaining medical equipment

- Performed routine maintenance and repairs on medical devices and equipment.
- Installed and setup medical equipment ensuring proper functioning and calibration.
- Tested, calibrated, and repaired biomedical equipment to support patient diagnosis and treatment
- Handled critical care equipment, Multipara monitors, Ventilators, ECG machines, ECHO machines, Radiant warmers, INO machine, Defibrillator, TMT machine, Syringe pump, Infusion pump and Mobile X-ray machines.
- Handled Operation theatre equipment, Diathermy, Anaesthesia Work station, C-arm, Surgical Microscope, Higherend laparoscopy equipments, IABP machine, CUSA Machines and endoscopy equipments etc.
- Managed and maintained documentation control system, ensuring compliance with regulatory.



CONTACT



Sharjah, UAE

Visit VISA duration 26-02-2025/20-04-2025

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Personal Details

Date of Birth : 01/07/2002

Marital Status : Single

Passport : X6454436

Gender : Male

Father's name : Kumaravel P

Mother's name : Karpagam K

Language : English, Tamil known

Nationality : Indian

VISA Status : Visit VISA (20/04/2025)

Skills and Strengths

Ms Office : Proficiency in using common applications such as Word, Excel, and PowerPoint.



Analytical skills : Analytical skills is help to understand the problems of the critical area am work in.



Team Work and Leadership : Fostering teamwork and leadership abilities through collaborative work



- Maintenance all Biomedical equipment with NABH (National Accreditation Board for Hospitals & Healthcare Providers) Standard.
- To Update and Maintain biomedical requirement data in kauvery hospital HMS Module.

Roles and Responsibilities

- Am under taken the responsibility for my allocated department are NICU, PICU, RADIOLOGY, EMERGENCY, OPD.
- Handling 350 + Assets it contains all kind of medical equipment like Ventilators, Multiparameter monitor, Syringe pump, Infusion pump, ECG machine and etc.
- All the Medical equipment are well maintained by preventive and corrective maintenance checked by daily walkthrough and monthly asset tracker.
- AMC, CMC and service follow up for downtime medical equipment.
- Breakdown Inventory record maintenance.
- Ability to work with shuffled day and night duty schedule.

Internship

MEENAKSHI HOSPITAL THAJORE - 2021

- To obtain the knowledge of how the medical devices actually work in real time with patient.
- Acquired knowledge of various types Biomedical equipment.
- Collaborated with Biomedical engineering team to troubleshoot and resolve technical issues.
- Gained hands-on experience with Medical devices in hospital.

PRASHAN MEDICAL TECHNOLOGIES - 2021

- Having a first Section about the role of biomedical engineer in various medical fields.
- Having Hands-on Training and gaining the knowledge and purpose of internal components in medical devices.
- The User and Services of Critical care Equipment training by service person (Authorized service partner for SCHILLER).

Education

BE Biomedical engineering	2019-2023
SNS Collage Of Technology - Coimbatore	
8.7 CGPA	
Maths-Biology - HSC	2019
Kalaimahal Matriculation Higher Secondary School -	
Mayiladuthurai	
70 %	

Projects

EMERGENCY AMBULANCE INDICATOR

Developed a prototype by using radio frequency emitter in an ambulance to emit the radio frequency to certain meters and place the radio frequency receiver in the opposite Vehicle which indicate the ambulance is on track by buzzer alarm and light indication.

ASSISTIVE DEVICE FOR DISABLED PEOPLE

Developed a Prototype with help of flex sensor and microcontroller to make a device that works on the variation of flex sensor resistance to communicate with microcontroller to deliver the message by placing the flex sensor in a hand glove to the patient by moving the hand finger via received the message in display and speaker.

Adaptability and Punctuality :

Demonstrating adaptability and punctuality in various requests



Decision Making : Proficient decision-making skills in critical situations



Achievements

SPORT : Won District level prize in short put and discuss throw.

Interests

Fitness : Engaged in fitness activities to maintain a healthy lifestyle

Automobile Work : Interested in automobile work and its technology.

Cooking : Enthusiastic about cooking and exploring different cuisines

Travel and exploration : Passionate about travel and exploration to discover new places.

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