

# CHITHRA VENKATESH

## BIOMEDICAL ENGINEER - PROCUREMENT & OPERATIONS ENGINEER



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📍 AL KARAMA, DUBAI

### PROFILE

Results-driven Biomedical Engineer with expertise in medical equipment procurement, maintenance, and compliance. Skilled in troubleshooting, installation, and vendor coordination, ensuring optimal performance and patient safety. Proven track record in reducing downtime, enhancing procurement efficiency, and exceeding client expectations.

### PROFESSIONAL EXPERIENCE

#### **BIOMEDICAL ENGINEER- OPERATIONS EXECUTIVE** **Al Sahel Medical Supplies Trading LLC**

07/2023 – 05/2025 | DUBAI, UAE

- Streamlined procurement operations by evaluating technical specifications, coordinating with international vendors, and ensuring on-time delivery of critical equipment.
- Provided technical expertise during installation, commissioning, and integration of biomedical equipment in healthcare facilities, aligning with clinical workflows.
- Delivered technical training and guidance to hospital staff on equipment usage, safety protocols, and troubleshooting, enhancing operational efficiency.
- Managed compliance processes by liaising with regulatory authorities, securing certifications, and maintaining quality assurance standards.
- Enhanced post-sales support through proactive issue resolution, regular performance optimization, and prompt responses to technical concerns.

#### **Key Achievements:**

- Reduced equipment downtime by 20% through effective maintenance strategies and rapid issue resolution.
- Successfully implemented an inventory tracking system, improving procurement efficiency and reducing stock discrepancies by 15%.
- Played a critical role in securing high-value contracts with major healthcare providers, boosting client retention and satisfaction.
- Led the seamless installation and commissioning of critical care devices across multiple hospitals, ensuring optimal clinical integration.

#### **BIOMEDICAL ENGINEER - COORDINATOR** **Holy Cross Multispeciality Hospital**

02/2021 – 08/2022 | KERALA, INDIA

- Conducted regular calibration, preventive maintenance, and troubleshooting for ICU monitors, ventilators, and other critical care devices, ensuring uninterrupted operation in intensive care units.
- Led the installation and commissioning of advanced ICU equipment, ensuring seamless integration with existing systems and adherence to clinical protocols.
- Collaborated closely with healthcare professionals to customize equipment configurations based on clinical requirements and operational needs.
- Coordinated with vendors to ensure timely procurement, delivery, and servicing of biomedical equipment, maintaining reliable supply chains and minimizing delays.
- Monitored and maintained an inventory of spare parts and consumables, implementing an efficient tracking system to support quick replacements.
- Supervised equipment lifecycle management, including upgrades and decommissioning, to optimize resource utilization and maintain compliance with regulatory standards.
- Prepared detailed technical documentation, including maintenance logs, service reports, and compliance records, ensuring readiness for audits and certifications.

- Assisted in emergency repair operations, providing rapid resolutions to critical equipment failures in high-pressure clinical settings.

**Key Achievements:**

- Reduced downtime of ICU equipment by 25% through proactive maintenance and rapid response to technical issues.
- Successfully implemented a streamlined vendor communication system, improving procurement efficiency and ensuring on-time delivery.
- Played a crucial role in setting up and maintaining a fully operational ICU, meeting high patient care standards.
- Trained clinical and nursing staff on safe and efficient use of biomedical equipment, enhancing overall operational readiness.

**BIOMEDICAL INTERN**

05/2019 – 05/2019  
THIRUVANANTHAPURAM, INDIA

**PRS Hospital**

- Gained hands-on exposure to the functionality and operating principles of various biomedical devices, including diagnostic, therapeutic, and monitoring equipment.
- Assisted senior engineers in routine maintenance, basic troubleshooting, and performance assessments of critical medical devices.
- Observed and supported preventive maintenance (PPM) activities to ensure equipment reliability and compliance with healthcare standards.
- Developed foundational knowledge of hospital workflows and the role of biomedical engineering in clinical environments.
- Organized and updated inventory records for spare parts and consumables under supervision, enhancing familiarity with inventory management practices.

**EDUCATION**

**BE BIOMEDICAL ENGINEERING, ANNA UNIVERSITY**

07/2016 – 11/2020 | TAMIL NADU, INDIA

- Graduated with a CGPA of 6.78, ensuring a First Class.

**SKILLS**

Biomedical Equipment Management	Procurement & Supplier Coordination
Medical Equipment Installation & commissioning	Preventive Maintenance & Trouble Shoot
Inventory & Assesst Management	Technical documentation & Reporting
Quality Assurance & Compliance	Project Coordination & Team Collaboration
Sales Support & Customer Relations	

**LANGUAGES**

English	Malayalam
Hindi	Tamil

**PROJECTS**

**Portable Motion Tracking Device For Coma Patients Using IOT**

- Developed a wearable human motion tracking device using a micro flow sensor and micro accelerometer to detect human limb postures in dynamic motion.
- Integrated IoT technologies to enable remote monitoring and enhance patient care.

**DECLARATION**

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I understand that any false information may lead to the rejection of any application or termination of my employment, if found later

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**Chithra Venkatesh**  
Dubai, 05-05-2025