

PRABAKARAN S

BIOMEDICAL ENGINEER

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📍 Karur, Tamilnadu – 639 119

OBJECTIVE

A passionate and dedicated Biomedical Engineering graduate seeking to work in a growth-oriented environment where I can apply my technical skills and knowledge to contribute to innovative healthcare solutions.

CERTIFICATIONS

- **NPTEL:** Enclosure Design of Electronics Equipments – Jul - Oct 2024
- **Value Added Course:** Biomedical Hardware Training, Medical Coding
- **Spoken Tutorial:** Arduino Training.

AREA OF INTEREST

- Biomedical Instrumentation
- Project Management

TECHNICAL SKILLS

- C Programming
- SQL
- Arduino

CO-CURRICULAR ACTIVITIES

- Participated in paper presentation conducted by Kongu Engineering College “**Gait Analysis**”.
- Participated in paper presentation conducted by Knowledge College of Engineering “**Body Area Network**”.
- Participated In various seminars, webinars and workshops.

EXTRA- CURRICULAR ACTIVITIES

- Organized college symposium, **Zygote**.
- Organized Department hackathon, **Schwan Tech**.
- Active member of **ISTE** and **Energy Club**
- Participated in **Mini Marathon** conducted by Kongunadu college of engineering and technology, Trichy.

PERSONAL SKILLS

- Empathy
- Willingness to Learn
- Troubleshooting

LANGUAGES KNOWN

- Tamil
- English

EDUCATION

Kongunadu College of Engineering and Technology, Thottiyam.

B.E-Biomedical Engineering – 75.43 (CGPA) 2021-2025

Karur Sri Ramakrishna Vidhyalaya Higher Secondary School, Kovakkulam.

HSC - 82.6% 2020-2021

SSLC - 81.6% 2018-2019

ACHIEVEMENTS

- Secured **2nd place** in an intra-college hackathon conducted by the Department of Biomedical Engineering for the project “**Neonatal Incubator.**”
- Received a research grant of ₹ **7500** from TNSCST for a project titled “**Prevention of Chemotherapy Induced Alopecia Using Scalp Cooling Helmet**”

INTERNSHIP

- Completed Internship training at **Kabila Hospital** for 15 days.
- Completed Internship training at **Medvu** for 15 days.
- Completed Hospital training at **Retna Global Hospital** for 15 days.

ACADEMIC PROJECTS

1. Title: Heart Attack Detection System

Used: Blynk, Heart rate Sensor

Description: The objective of the “Heart attack detection system” is to monitor heart activity continuously and detect anomalies indicating a potential heart attack.

2. Title: IoT Enabled Paralysis Care

Used: Think speak, Heart rate Sensor, Temperature Sensor

Description: The objective of “IoT enabled paralysis care” is to enhance patient care by using IoT devices to monitor vital signs and environmental conditions.

3. Title: Wearable Bio-Monitoring System with Integrated Conductive Textile Electrodes

Used: IoT Remote, SpO2 Sensor, Temperature Sensor, ECG Sensor

Description: The objective of the “Bio-Monitoring T-Shirt” is to provide continuous, real-time monitoring of vital signs using textile electrodes and IoT, ensuring accurate health tracking, comfort, and timely alerts.

Date:

Place

Signature