



**NEETHA SABU JOHNSON**

**BIOMEDICAL ENGINEER**

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## **PROFESSIONAL PROFILE**

I have 2 years of teaching experience with a **Master of Technology (M.Tech) degree in Bio Medical and Instrumentation Engineering**. I developed a software program for estimation of fetal heart rate from maternal ECG signal. I have an exposure to highly advanced technology in the field of Biomedical Engineering. Updated with the latest medical research in order to develop technology suitable to latest advancement in medicine. Worked as a **Academic tutor** in an institute in **Al Nahda, Dubai** who is dealing with the subjects of **Biology, Chemistry, Psychology and Hindi** for primary level to university level students and also worked as **lecturer in a Polytechnic College**. Also working as a freelancing biomedical researcher and working on the projects "**Dementia and Alzheimer's residents wandering and GLB**" and "**designing of menstruation mapping and reproductive health issue tracking kit**". I had an experience as working as a **Research Assistant** in a reputed university in Bangalore, who is assisting different projects for professors. I had also an experience of **3 years** in **administration cum purchase department** in a banking sector. Well trained in preparations of monthly quality checking of records and maintenance of records of customers.

## **HIGHLIGHTS**

- Basics in C, C++ programming, MS-Power Point, MS-Word, MS-Outlook, MS –EXCEL.
- Experienced in Learning management software (LMS) tools.
- Experienced in dealing with both offline and online students at a time.
- Experienced in using different online teaching platforms such as Electa live, Zoom and Google classroom, LMS software (MOODLE).
- Trained in LabVIEW Programming, MATLAB programming.
- Experienced in Biosignal processing and Medical imaging process.
- Manuscript writing and bringing novelty in projects.

## **EXPERIENCE**

1. **OCTOBER 2021 - JULY 2022(complete academic year)**

**K KARUNAKARAN MEMORIAL MODEL POLYTECHNIC COLLEGE (KERALA,INDIA)**

**LECTURER IN BIOMEDICAL ENGINEERING**

**ROLES AND RESPONSIBILITIES**

- Assigned as a lecturer in Biomedical Engineering department and handling biomedical core subject papers such as
  1. **Anatomy and Physiology(Basic Medical science)**
  2. **Therapeutic Devices**
  3. **Cell Biology (laboratory incharge and theory)**
  4. **Medical Electronics (Lab Incharge).**
- Handling **Biochemical lab,medical electronics and digital electronics** laboratory sessions.
- **Assisting HOD'S for undergraduate projects and seminars.**

**2. JANUARY 2021-JULY 2021**

**SAHARA EDUCATION INSTITUTE (AL NAHDA, DUBAI)**

**ACADEMIC TUTOR**

**ROLES AND RESPONSIBILITIES**

- Academic instructor handling subjects such as **Biology(diploma level), Chemistry(diploma level), Psychology** ,Preparation of materials, lesson plan and Competitive exam preparation.
- Experienced in handling curriculums such as **IGCSE, GCSE, IB, SABIS, AMERICAN, INDIAN , NATIONAL CURRICULUM FOR ENGLAND.**
- Experienced in handling from the range of primary students, **AS and A level** students and university students.
- Experienced in handling class both online and offline simultaneously.

**3. APRIL 2020-APRIL 2021(complete academic**

**year) RESEARCH ASSISTANT**

**(RAMAIAH INSTITUTE OF TECHNOLOGY, CENTRE OF RESEARCH IN MEDICAL ELECTRONICS ANDCOMPUTING)**

**ROLES AND RESPONSIBILITIES**

- Assisting professor for projects, responsible for recruiting subjects for clinical trials.
- Working on funded projects named “**electronic nasal mask**” and “**application of oxygen saturation variability from pulse oximetry into diagnostic and therapeutic tool**”.
- Data collection of outcome data, data entry, analysis of outputs and interpretations, preparing source codes, emailing, preparing meetings, literature surveys, manuscript writing for conferences, performing gap analysis,purchasing equipment and other accessories.
- Guiding undergraduate students in their projects, creation of documents, patent details, writing reviews for patent submission, prior art search report.
- Preparing reviews for discussions with HOD and professors of medical electronics department.

**4. JUNE 2018 – PRESENT**

**FREELANCING BIOMEDICAL RESEARCHER**

**ROLES AND RESPONSIBILITIES**

- Working on the project “Dementia and Alzheimer’s residents and GLB tracking method”.
- Working on “designing of menstrual mapping and reproductive health issue tracking kit”.
- Working on a therapeutic device designing for dhoomapanam treatment in ayurvedic hospital.

## **5. MARCH 2016 - OCTOBER 2019**

### **ADMINISTRATIVE ASSISTANT**

### **MARUTOOR BANKERS**

#### **ROLES AND RESPONSIBILITIES**

- Worked as administrative assistant and handled purchase department.
- Handled document clearance, paper work, scheduling meetings.
- Data entry and handled locker security and stocks.

## **6. JULY 2015 – FEBRUARY 2016 (complete academic year)**

### **VOCATIONAL LECTURER IN BIOMEDICAL EQUIPMENT TECHNOLOGY**

### **GOVERNMENT VOCATIONAL HIGHER SECONDARY EDUCATION, INDIA**

#### **ROLES AND RESPONSIBILITIES**

- Lecturer in biomedical equipment technology department.
- Lab in charge of biomedical equipment technology department laboratory
- Controller of examination board of the department.
- Experienced in handling hyperactive disorder students.

## **EDUCATION**

DEGREE	SPECIALIZATION	UNIVERSITY	CGPA	YEAR
MASTER OF TECHNOLOGY	BIOMEDICAL INSTRUMENTATION	KARUNYA UNIVERSITY	8.46	2015
BACHELOR OF ENGINEERING	BIOMEDICAL ENGINEERING	ANNA UNIVERSITY	8.37	2013

## **PERSONAL INFORMATION**

Nationality - Indian  
 Gender - Female  
 DOB - 13/10/1991  
 Marital Status - Married  
**Visa Status - Residence (Spouse Visa)**  
 Language Known - English, Hindi, Malayalam, Tamil, Arabic(beginner)

**DETAILS OF REFEREES:**

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