REMYA. A.K

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Palakkad – 678004,

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**MY SELF**

I am an energetic, ambitious optimistic person who has developed a mature and responsible approach to any task that I undertake, or situation that I am presented with. As an engineering graduate with **more than two years** of experience in hospital field, I am excellent in working with others to achieve a certain objective on time and with excellence.

**OBJECTIVE**

Looking forward to work in a career oriented environment, where I could project my innovative skills in the field of biomedical engineering with a high success rate, for the organization and self-growth.

**ACADEMIC PROFILE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** | **Specialization** | **University/Board** | **Institution/School** | **Year of Passing** |
| B.Tech | Electronics & Biomedical Engineering | CUSAT | Govt. Model Engineering College | 2013 |
| 12th | Science & Maths | CBSE | Chinmaya Vidyalaya,  Tripunithura | 2006 |
| 10th | All Subjects | CBSE | Chinmaya Vidyalaya,  Tripunithura | 2004 |

**PROFESSIONAL EXPERIENCE**

**Biomedical Engineer**

* Trained in Biomedical Department, **PVS Memorial Hospital**, Kochi for a week.
* Trained in Biomedical Engineering Department of MOSC Medical Mission College Hospital for a period of **6 months**.
* Worked as Biomedical Engineer in **Paalana Institute of Medical Sciences**, Palakkad for **6 months.**
* Presently working in **Welcare Hospital,** Palakkad from **1st Dec 2015 to till date**.

**BIOMEDICAL ENGINEER DUTIES & RESPONSIBILITIES**

 Ensure that all patient care and medical equipment in operating rooms, intensive care, clinical labs, including therapeutic and diagnostic clinics.

 Provide preventive maintenance to medical care equipment in a safe, self-directed and timely manner

 Act as preceptors to physicians, nurses and technical staff concerning operation of medical

equipment on a formal and informal basis, including technical support during surgeries and medical procedures.

 Work with engineers and researchers to design and fabricate specialized devices for use in the

clinical and research settings.

 Prepare documentation and maintain records pertaining to all repairs, replacement parts, calibrations and modifications of medical equipment.

 Gather and provide first response information on medical equipment related issues involved in patient occurrence reports.

 Identify aging and obsolete patient care equipment to departmental managers and the Clinical

Engineer. Provide supporting documentation for the assessment, justification and

selection of newdevices while realizing fiscal responsibility.

**COURSES ATTENDED**

\* Medical Image Processing \* Robotics, Signals & Systems

\* Bio-signal Processing \* Biochemistry, Microbiology

\* Human Anatomy & Physiology \* Biomedical Instrumentation

\* Sensors & Measurements \* Medical Physics

**Academic Projects**

**Mini Project: INSUFFLATOR**

**Team Size: 4 Periods: 6months**

Project done as a part of the **B.TECH course** in **Semester VI**

* Constant pressure of carbon dioxide delivering equipment mainly for laparoscopy.
* Overcomes the problem of ice formation in the path of gas flow by switching two regulators alternately.

**Main Project: VISUAL ELECTRONIC STETHOSCOPE**

**Team Size: 4 Period: 1 year**

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## Project being done as a part of the B.TECH course in Semester VII and VIII

* Acquires ECG and PCG data from the patient and then displayed on LCD screen.
* Calculates the real time heart rate and it is also displayed.

**SEMINAR ON SWEAT MONITORING SYTEM**

Collects sweat expired through the skin into a textile patch and transported to various sensors to measure pH, the amount of sodium and other ions present. The great advantage of sweat is the fact that is a completely non-invasive means of analyzing a person’s physiological state.

**SKILLS**

**Software**

* Software- MATLAB
* 8085 assembly language programming, PIC 16F877A
* Languages C, C++, HTML
* I.T. skills including experience in Microsoft Office.

**Personal Skills**

* Good team management
* Communication skills
* Listens attentively
* Willingness to learn
* Welcomes responsibility
* Analytical skills
* Keen to learn and improve skills

**Technical**

* **Critical Thinking** -- Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
* **Complex Problem Solving** -- Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
* **Reading Comprehension** -- Understanding written sentences and paragraphs in work related documents.
* **Judgment and Decision Making** -- Considering the relative costs and benefits of potential actions to choose the most appropriate one.
* **Active Listening** -- Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
* **Operations Analysis** -- Analyzing needs and product requirements to create a design.
* **Speaking** -- Talking to others to convey information effectively.

**POSITIONS OF RESPONSIBILITY**

* Participated in the technical festival held at Saint Gitz College of Engineering.
* Achieved prizes in classical & light music competitions in the school youth festival.
* Participated in TECHNOPRENUER – a YI coordinated event twice
* Active member of Nature Club in School and College.
* Scored good marks in National Mathematics Olympiad Contest.
* Bagged prizes in Thiruvathira and Oppana in University arts.

**PERSONAL INFORMATION**

Date of Birth - 10/08/1988

Age - 27 yrs

Language - English, Malayalam, Tamil, Hindi

Hobbies - Singing, Cycling & Cooking.

Marital Status - Married

Passport No. - P-2514284

Linguistic-Proficiency - English(R/W/S), Malayalam(R/W/S),

Hindi(R//W), Tamil(R/S)

**DECLARATION**

I hereby declare that the above mention is true to best of my knowledge and belief. I have great commitment to quality and results. I am responsible and sincere in attitude. I kindly request you to recruit me for the job in related fields.

Hope you do the needful.  
Thanking you,

Yours sincerely

Remya.A.K

**References**

* Mr. Jobby ,Senior Biomedical Engineer,

MOSC Medical Mission Hospital, Kolenchery.

* Mrs. Dini Ittiachen, Biomedical Engineer ,

Paalana Institute of Medical Sciences, Palakkad

* Prof. Dr.Devassia , Principal,

Model Engineering College, Thrikkakara ,

Email id: principal@mec.ac.in.