

JEEVITHA K

M.Tech Biomedical Engineering

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OBJECTIVE

I am an enthusiastic, goal-oriented person looking for a demanding career that can enhance both my skills and knowledge along with the development of the organization

INTERNSHIP

- Harvey Biomedical, Bangalore** Dec 2018
Hands-on training in various medical equipment with application and testing
- Faber Sindoori Management Services Pvt Ltd, Chennai** Mar 2019
Technical Training on Biomedical Engineering concepts, covering operating principles, troubleshooting, maintenance, repairing, and application of biomedical equipment at various departments within the hospital
- Fortis Malar Hospital, Chennai** Aug 2019
Training on different categories of equipment namely critical, semi-critical, non-critical equipment, hospital management, and documentation.
- Thai Moogambigai Dental Hospital Chennai** Oct 2019
Technical Training on Dental Equipment and Implants
- Atheena Pandian Pvt Ltd** May 2022
Industrial Internship Course on MATLAB Programming

PROJECT

- Design and Development Sit To Stand Trainer For Rehabilitation**
Submitted on Indian Patent act
 - Developed a device to aid stroke patients in therapeutic sit-to-stand exercises.
 - Implemented adjustable seat lifting mechanism for stroke patients.
 - Enabled efficient and controlled sit-to-stand movements for improved mobility
- Development of Wrist Continuous Passive Motion (CPM) Device for Treatment of Carpal Tunnel Syndrome**
Submitted on Indian Patent act & Journal submitted on 60th Annual IBSIS-RMBS
 - CPM devise with wrist rehabilitation capabilities for carpal tunnel syndrome treatment.
 - Enabled controlled movements to aid in the rehabilitation process.
 - Specifically developed to target and improve wrist mobility and function
- Wireless Charging Device For Artificial Cardiac Pacemaker With Battery Management System Using Smartphone**
 - Designed a wireless power transmission system for pacemaker battery charging.
 - Developed monitoring application utilizing Bluetooth technology.
 - The prototype is convenient and efficient in charging of pacemaker batteries and real-time monitoring of device status.
- Stress Management System (SMS)**
 - The innovative device method for stress detection uses pulse, sweat, and body language.
 - Designed an alert system to promptly notify individuals about their stress levels based on physiological signals and body language cues.

CERTIFICATIONS

- Software Testing Tutorial(Great Learning Academy)
- Wearable Intelligent Device: Next-Generation technology (IIIDM, Chennai)
- Electro surgery Functional Principles and Safe Use,(Erbe Plus Academy)
- 3D Printing Software, (University Of Illinois at Urbana, Champaign – COURSERA)
- Nanocoating For Blood Repellent Biomedical Devices,(BIOLIM ,Chennai)
- Advance Diploma In Computer Application, (RkInfotech Computer Education)
- Healthy Futures: How Can We Create The Most Effective Healthcare System (Murdoch University)

PRESENATION

- Poster Presentation (60th Annual International Biomedical Sciences Instrumentation Symposium & Rocky Mountain Bioengineering Symposium)
- National Conference on Biomedical Engineering and Technology (SRM University)
- Poster Presentation at National Level Technical Collouquim (MGR University)

EDUCATION

SRM Institute of Science and Technology

M.Tech in Biomedical Engineering, 2021-2023

CGPA: 8.65

Dr. M.G.R Educational and Research

Institute

B.Tech in Biomedical Instrumentation, 2017-2021

CGPA: 8.71

St Mary's Matriculation Higher Secondary

School

Higher Secondary 2015-2017

Percentage: 64%

St Mary's Matriculation Higher Education

School

Secondary Education 2013-2015

Percentage: 73.6%

TECHNICAL SKILLS

- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint)
- Basic in C language
- Basic in LabVIEW
- Troubleshooting and regulatory affairs in medical devices
- Research skills
- Basic in MATLAB Software

PERSONAL SKILLS

- Time management
- Adaptability
- Strategic thinking and planning abilities
- Multitasking
- Problem-solving
- Team management

ACTIVITIES

- NationalService Scheme(Special Camping Program)

LANGUAGE

- English ● ● ● ● ●
- Tamil ● ● ● ● ○
- Telugu ● ● ○ ○ ○

DECLARATION

I'm here by declaring, to the best of my knowledge and belief that the details furnished above are true to the best of my knowledge.

Signature

