

Niju Mathew

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PROFESSIONAL SUMMARY

Biomedical engineer with 6+ years of research and design experience in regenerative medicine, including the areas of connective tissue repair and liver regeneration. Proficient in data analysis using Matlab and other computer programs. I'm an excellent collaborator and communicator, eager to join the team and make a positive impact

EMPLOYMENT HISTORY

Sep. 2018 – Aug. 2019
Haldwani,, Uttarakhand

In charge Biomedical Engineer, Krishna Hospital & Research Centre

- Maintain and follow standard quality, safety, environmental, and infection control policies and procedures.
- Coordinate work with other emergency medical team members or police or fire department personnel.
- Organize and assemble routine or specialty surgical instrument trays or other sterilized supplies, filling special requests as needed.
- Teach individual and team sports to participants through instruction and demonstration, utilizing knowledge of sports techniques and participants' physical capabilities.
- Conduct and administer fiscal operations, including accounting, planning budgets.
- Plan, implement and administer programs and services in a health care or medical facility, including personnel administration, training, and coordination of medical, nursing, and physical plant staff.
- Maintain awareness of new and emerging computational methods and technologies.
- Maintain equipment inventories, and select store, or issue equipment as needed.

Mar. 2017 – Jul. 2018
Eldoret, Kenya

Senior Biomedical Engineer, Mediheal Group of Hospitals

- Interpret engineering drawings, schematic diagrams, or formulas and confer with management or engineering staff to determine quality and reliability standards.
- Observe workers using equipment to verify that equipment is being operated and maintained according to quality assurance standards.
- Compile and evaluate statistical data to determine and maintain the quality and reliability of products.

- Design new equipment and materials or recommend revision to methods of operation, material handling, equipment layout, or other changes to increase production or improve standards.
- Prepare graphs or charts of data or enter data into computer for analysis.
- Select products for tests at specified stages in the production process, and test products for performance characteristics and adherence to specifications.

Jun. 2016 – Dec. 2016

Al Wasl Rd - Al Bada'a Jumeirah 1, Dubai

Medical Sales and Service Engineer, Life Health Care Pharmacy

- Deliver equipment to specified hospital locations or to patients' residences.
- Check sterile supplies to ensure that they are not outdated.
- Maintain records of inventory or equipment usage and order medical instruments or supplies when inventory is low.
- Install and set up medical equipment, using hand tools.
- Assist hospital staff with patient care duties, such as providing transportation or setting up traction.
- Attend hospital in-service programs related to areas of work specialization.

Jun. 2014 – Jul. 2016

Vadodara, india

Biomedical Engineer, Sunshine Global Hospital

- Clean instruments to prepare them for sterilization.
- Operate and maintain steam autoclaves, keeping records of loads completed, items in loads, and maintenance procedures performed.
- Disinfect and sterilize equipment such as respirators, hospital beds, or oxygen or dialysis equipment, using sterilizers, aerators, or washers.
- Examine equipment to detect leaks, worn or loose parts, or other indications of disrepair.
- Organize and assemble routine or specialty surgical instrument trays or other sterilized supplies, filling special requests as needed.
- Check sterile supplies to ensure that they are not outdated.
- Maintain records of inventory or equipment usage and order medical instruments or supplies when inventory is low.
- Install and set up medical equipment, using hand tools.
- Assist hospital staff with patient care duties, such as providing transportation or setting up traction.
- Deliver equipment to specified hospital locations or to patients' residences.

EDUCATION

Jul. 2021

Master of Science: Biomedical Engineering

- Kaunas University of Technology - kaunas, Lithuania

Jun. 2014

Bachelor of Science: Biomedical Engineering

- Bapuji Institute of Engineering and Technology - Davangere, India

Jun. 2009

High School Diploma: Maths with Science

- Higher Secondary School for Boys - Punalur, India

LANGUAGES

English	<i>Fluent</i>
Hindi	<i>Fluent</i>
Malayalam	<i>Native speaker</i>
Tamil	<i>Conversational</i>
Arabic	<i>Basic</i>
Swahili	<i>Conversational</i>

SKILLS

Identify Elements And Requirements For Improvement Of Maintenance Posture For Medical Devices *Skillful*

Inspected New Medical Devices Before Clinical Usage For Quality Control And Ensured Proper Documentation. *Skillful*

Prepare Procedures, Write Technical Reports, Publish Research Papers, and Make Recommendations Based On Their Research Findings *Experienced*

An Analytical and Enquiring Mind *Experienced*

Manage Oneself, People, Time, And Things *Skillful*

Evaluate the Safety, Efficiency, and Effectiveness of Biomedical Equipment *Expert*

Install, Adjust, Maintain, Repair, or Provide Technical Support For Biomedical Equipment *Expert*

Careful Measurement and Analytical Skills *Experienced*

PUBLICATIONS

- Investigation Of Combined Classification Methods For Detection Of Tumors In Brain MRI Images By Using Gray Level Co-Occurrence Matrix Features.
- A Study Performance of Infusion Devices

AWARDS

- BME Explore 4th and 6th National level student's symposium - Apr 09, 2011, and Apr 09, 2013
- Workshop on New Challenges and Opportunities in Health Care by Biomedical Engineering Society of India - Feb 15, 2014
- Participated in UDGAM 2014 by the Indian Institute of Technology (IIT) Guwahati