



SUKANYA DUTTA

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Objective

To acquire knowledge and skill in the biomedical engineering field of work while aiming towards higher growth and better prospects for the organisation.

Education

<i>2018 - 2021</i>	North-Eastern Hill University. B.tech in biomedical engineering. CGPA - 8.27
<i>2015- 2018</i>	Womens' Polytechnic College. Diploma in Medical Lab Technology. Percentage - 66.40
<i>2015</i>	Dharmanagar Govt. Girls H.S (+2 stage) school. Madhayamik. Percentage - 68.43

Experience

<i>January 2022 - Till now</i>	Pneumocare Health Pvt Ltd Business Development Office(Biomedical Engineer.)
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Training

Successfully completed Hands-on Training on Medical Equipment by Indian Biomedical Skill Consortium (IBSC) Andra Pradesh MedTech Zone (AMTZ), Under Skill Vigyan Scheme, Sponsored by Department of Biotechnology, GOI.

- Hands-on training with its working principle, calibration, maintains troubleshooting of the equipment.

Industrial Visit

Deck mount -

On this site, I saw about the oxygen concentrator. How it works and all the parts of it.

Trivitron -

It's a ventilator company. Here I saw the different mode of ventilator.

Think3D -

Here I learn how to do 3d printing, 3d scanning, 3d designed.

Schiller -

About the patient monitor and how it work.

Sterile -

The sterilization process is seen.

Professional Skills

Medical device sales and application

Handling critical care equipment (patient monitor, ventilator, defibrillator, syringe pump, infusion pump) oxygen concentrator, ECG.

Diagnosis and troubleshooting

Preventive maintenance

Calibration

Internship

I have completed one month (15th December 2018 till 15th January 2019) of hospital training as a Trainee at the Biomedical Department. Training provided by RTIICS Hospital (Rabindranath Tagore International Institute Of Cardiac Sciences) Mukundapur, kolkata99

- In the hospital, I visited ICU, CCU, general ward to check the equipment is working or not. Saw some installation, repairing process and maintenance.

Projects

Minor project - Paper-based biosensor embedded with gold nanoparticles for detection of pregnancy.

Supervisor name - Prof. Shyamal Mondal

Description - Paper-based biosensors are lightweight, thin, eco-friendly and sensitive also. And Gold Nanoparticles are also simple and provide accurate results. It's low cost, pocket-sized. So women can buy easily and quickly.

Major Project - The effect of prolong smartphone usage on cervical muscle and mental health.

Supervisor name - Prof. Nitin Sahai

Description - Prolonged smartphone usage give rise to repetitive microtrauma to the micro skeletal structure give rise to pain. Effect in physiology also. We are doing one google form survey where 251 people are responding and aged between 17 to 33 people are using a smartphone more than the above 33 aged people.

Achievements & Awards

Certified in skill training on oxygen concentrators by Indian Biomedical Skilled Consortium.

Value-Added Course

Successfully completed the Design Innovation Centre (DIC) add on courses in the Department of Biomedical Engineering Field.

Languages

English

Hindi

Bengali (mother tongue)

Reference

Nitin Sahai - "North Eastern hill university "

Assistant Professor; Mobile - 8413070025; email id - nitinbiomedical@gmail.com

Gajendra Kumar Mourya - "North-Eastern Hill University "

Assistant Professor; Mobile no - 9436593967; email is - gajendranehu@gmail.com

Nitturi Naresh Kumar - "Indian Biomedical Skill Consortium "

Coordinator; Mobile no - 8897330990 ; email id - n.nareshkumar@ibsc-amtz.in