

# NOURAN MOSTAFA

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## PROFESSIONAL SUMMARY

Dedicated, Motivated **Biomedical Engineer** with **around 6 years** of extensive experience in **Hospital fields**, as well as in **laboratory equipment**. Extensive experience in equipment installation, troubleshooting, general maintenance of different makes/models, safety testing, and testing of some medical equipment. In addition to, proven expertise in providing quality and timely support by planning, organizing, controlling and coordinating the activities of the Biomedical Engineering Department within the framework of existing policies, procedures and regulatory requirements.

Registered with **APEGNB** as Engineer In Training.

## PROFESSIONAL SKILLS

- Strong communication, interpersonal, organizational and multi-tasking skills.
- Analytical and Decision-Making skills.
- Strong management skills with attention to details
- Ability to work in fast paced environment

## WORK EXPERIENCE

**Clinical Engineer and Departmental Director** | Dr. Hala Essa Bin Laden Hospital Jeddah, Saudi Arabia Feb 2016 – Apr2019

*Worked as the departmental director for a private hospital with capacity of 34 beds including ER, OR, CSSD, Radiology, ESWL, laboratory, ICU, NICU, DR departments and clinics.*

- **Day-to-Day Departmental Operation:** managed the maintenance team, received and gathered maintenance requests and set priorities, provided corrective and preventive maintenance, reviewed and updated inventory of the medical equipment regularly and providing phone and onsite technical and operational support
- **Documentation/Reporting:** Reported any misuse for any medical equipment and provided prompt corrective action. Recorded all the maintenance done for each equipment present in the hospital in a unique file.
- **Training Staff:** Trained new staff on procedures and on new equipment.
- **Testing Equipment:** Testing electrosurgical and defibrillator machines with tested and certified Rigel analyzers to make sure their safe usage and their output within the tolerance range set by the manufacturer.
- **Purchasing Equipment:** Performed a comparison between different offers and set the acceptance criteria according to the technical specification and the end-user needs. Evaluated the equipment came as a demo before purchasing. Performed/supervised the Installation of new coming medical equipment after it passed the initial inspection, where the inspection includes performance and visual inspection in addition to electrical safety tests.
- **Following Standards:** Applied and implemented the applicable international standards like those set by ECRI and WHO in addition to the national standards (CBAHI). Updated the internal hospital policies according to the recently released standards.

### Accomplishments:

- Filled the gaps in the department like had updated inventory, database and unique file for each equipment
- Got CBAHI accreditation with the biomedical department has fully met the requirements.
- Reduced the maintenance cost, minimized the broken-down time, and made the workflow smarter and easier.
- Upgraded medical equipment technologies and implemented the importance of the output evaluation for the electrosurgical and defibrillator equipment.

**Testing Engineer | AL Kasr Alini Governmental Hospital Cairo, Egypt**

Oct 2012 – Apr 2014

Worked as Biomedical engineer in a Calibration Lab where we were testing vital sign monitor, anesthesia machines, ventilators, defibrillator and electrosurgical machines

- **Day-to-Day Departmental Operation:** Recorded on a daily basis the humidity and temperature present in the storing area of the analyzers. Made sure that the analyzer's calibration certificates are valid. Followed up the calibration process of the analyzers with Fluke Company.
- **Calibration Process:** Recorded the output of the medical equipment under test. Performed calculations on the collected data and check the result with respect to the accepted tolerance range.
- **Following Standards:** Implemented\updated polices of the Lab according to the latest released standards as our Lab has accreditation from the national institution EGAC. Attended some sessions for EGAC and some online sessions for Fluke.

**Accomplishments:**

- Applied the latest standards set by EGAC.
- Performed output evaluation to electrosurgical, vital sign monitor and defibrillator machines.

**Field Service Engineer | Future Horizons Company, Cairo, Egypt**

Jul 2011 – Sept 2012

Worked as a maintenance engineer for a company specialized in Laboratory equipment (Bio-Rad, Seac Radim, Mitsubishi)

- **Day-to-Day Departmental Operation** Provided corrective and preventive maintenance, Participated in the installing of the new laboratory equipment, Provided phone and/or onsite technical and operational support, Followed up with the main companies to provide us with the needed spare parts and inquiries and recorded all the maintenance done and any other information related to the equipment.
- **Training:** Attended training set by the main companies on the usage and maintenance of the equipment and provided training to the end users on the safe and best usage of the equipment.

**Accomplishments:**

- Fixed blood bank sealer machine that was broken down for more than 2 years.
- Minimized the cost of traveling remote areas by providing effective technical support through phone.

**EDUCATION**

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**Pre Master Degree, System & Biomedical Engineering (Completed Courses)|** Cairo University, Cairo Egypt 2012

**Bachelor's Degree of Engineering, Biomedical Engineering |** Helwan University, Cairo, Egypt 2011  
*Evaluated by World Education Services (WES), equivalency of Bachelor's degree*