**MUSTAFA**

**BE Biomedical Engineer**

**Career Objective**



Accept and enjoy the new situation and challenges, make positive contribution towards the given position, and enhance the knowledge, abilities and skills through organization by contribution.

**Personal Profile**



A proactive individual with a logical approach to challenges. I am a kind of a person whodedicates himself for his work & to gain experience. During my graduation period, Icontinued to do study as well as I have done internships to gain experience in field work.I perform effectively even within a highly pressurized working environment.

**Experience**



**Service Engineer**, Ghulam Muhammad Sons **March 2015 – September 2015**

Chemistry supplies Provider Company

**RESPONSIBILITIES**:

* Providing assistance to service coordinator with technical support and also with work load.
* Providing technical support to field engineers.
* Communicating with the field engineers regarding daily schedules, emergency service calls and discussing action plan.
* Managing tasks
* Analyzing situation
* Implementing plans

**Al-Falah Academy (Part time) May 2015 — March 2016**

* Teaching **Physics** and **Mathematics** to **IX, X, XI** and **XII** and **O** level.

**National Education System (Visiting faculty) May 2013 — April 2015**

* Teaching **Physics** and **Mathematics** to **IX, X, XI** and **XII** and **O** level.

**P.I.B Coaching Center (Part time) May 2012 — March 2016**

* Teaching **Physics** and **Mathematics** to **IX, X, XI** and **XII**.

**Dr. Ziauddin Hospital, North Nazimabad** (**Trainee Engineer)** **June 2014 — July 2014**

Worked on various Bio-Medical equipment in following departments,

 Radiology, Laboratory, Critical Care (I.C.U, C.C.U & O.T)

**KIRAN HOSPITAL (Trainee Engineer) Dec 2013 — Dec 2013**

Studied detailed operations and functions of health care equipment including Ultrasound system, laboratory equipment and radiological equipment include:

* Working of LINAC (Siemens)
* Pre-preventive maintenance of COBALT 60 (Phoenix)
* Working of 3D CT (Toshiba)
* Working of MRI (Toshiba)
* Working of Gamma Camera (Philips and Toshiba)
* Utilization and Production of Nuclear medicine
* Working of Mammography (GE) and Ultrasound (Toshiba)

Five years professional teaching experience in different private educational Institution.

**Additional Courses:**

* Certified for MICROCONTROLLER and Its INDUSTRIAL APPLICATTIONS on PIC
* Certified Engineer From PAKISTAN ENGINEERING COUNCIL
* Certified by SKILL DEVELOPMENT COUNCIL for being trained on MICROCONTROLLER and Its

INDUSTRIAL APPLICAIONS

* Image Processing and GUI development through **MATLAB**
* Certified by SKILL DEVELOPMENT COUNCIL FOR CIT and its application
* Pro-Engineer

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| --- | --- | --- | --- |
| **Related Course Work:** | |  |  |
|  Health care management | |  | Rehabilitation Engineering |
|  | Artificial Intelligence |  | Telemedicine |
|  | Biomedical Imaging |  | Digital Signal Processing |

**Education**



**Bachelor of Engineering (BE)**

**NED University of Engineering and Technology** **December 2014**

Biomedical Engineering **(CGPA: 3.4)**

**Higher Secondary School Certificate Pre-engineering December 2008**

S.M Govt. Science College

**Secondary School Certificate** **Computer Science December 2006**

HEJ Foundation Public School

**Undergraduate Projects**



**Final Year Project – “Eye Ball Tracking System using Matlab” (Research Project)**

Eye Ball Tracking System is an assistive device for Amyotrophic Lateral Sclerosis patients. On the other hand, the system provides a human computer interface for activities in remote situations where hands can barely be employed.

**Line Following Robot**

A tri-wheeled robot that followed a path determined by a single colored line, Using Photodiodes, DC motors and microcontroller.

**Pulse Oximeter**

The device is able to measure the Oxygen saturation SPO2 and heart rate through fingertip, using photo detectors, comparator circuits, counter ICs and 7-Segment display.

**kVp Meter and Phototimer**

The device successfully determines the x-ray tube voltage during exposure by a set of calibrated. The device also calculates the exposure time of X-ray scan.

**Electronic Digital Thermometer**

Designed and developed a digital thermometer for measuring the body temperature through the skin. The device was developed using a temperature sensor, microcontroller and LCD screen.

**Visits**



**DOW University Hospital Jan 2014 - June 2014**

**Radiology Department – Karachi**

* Learned about various radiological equipments by observing their working in real-time.
* Assisted in the maintenance of an X-ray machine and CT scanner.
* Worked closely with the hospital staff on various imaging equipments.
* Interacted with patients to find out about the difficulties that they encountered during these procedures.
* Documented the results and presented it to the professor

**Language**



**Urdu** and **English** (Excellent understanding, reading, writing and speaking skills)

**Skills**



**Technical Skills:**

* Experienced in using MS-Office,
* MATLAB
* Electronic Workbench
* Pro-engineer
* Microcontroller
* Fluent and Gambit.

**Interpersonal Skills**

* Completing assignments accurately on time.
* Ability to schedule events by setting priorities.
* Ability to work well under stress.
* Adaptable and hard worker.

**Personal Information**



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| --- | --- |
|  |  |
| Marital Status: | Unmarried |
| Nationality: | Pakistani |
| Religion: | Islam |
| Date of Birth: | November 23, 1989 |

**Job Seeker First Name / CV No: 1714146**

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