**Ibrahim**

**Mechatronics Engineer**

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**OBJECTIVES**

Establishment and Growth with modern technology and Engineering skills. Apply my knowledge to fulfill company’s objectives and Engineering development.

**EXECUTIVE SUMMARY**

* A competent professional with **over 3 years** of experience in Operations Management, Production Planning & Control, Maintenance & Manpower Management.
* **Presently working with Fujairah Concrete Products (U.A.E.) as Production Engineer.**
* An Internal Auditor for **OHSAS 18001:2007** for the proper implementation of Safety program.
* Technical In-charge of **ENZOM 400S** Automatic cutting machine.
* Supervise more than 4 final year projects. (previous job)
* **Best Engineering Design Award** in National Engineering Robotic Contest.

**WORK EXPERIENCE**

**Fujairah Concrete Products (UAE)**

Presently working as **Production Engineer** with Fujairah Concrete Products since jul-2014.

**Key responsibilities**:

* **Production planning and control**
* Managing operations of **ENZOM 400S cutting machine**with a view to ensure accomplishment of production targets.
* By supervising the operators makes sure to take most out of the machine with in safe parameters.
* Assist Senior Engineers in making or implementing plans of production for plants(FRIMA, OMAG, and RINO).
* All documents work (relating production), internal visits and inter department reports handling.
* **Operations and Maintenance**
* Executing cost saving and energy saving techniques and modifications in machine.
* Identifying areas of obstruction & breakdowns and taking steps to rectify the problem.
* Weekly and Monthly maintenance of ENZOM Automatic Cutting machine (German made) and taking part in the maintenance of other plants(FRIMA, OMAG, RINO all German Automatic plants).
* Troubleshooting the problem by reading **Electrical Drawing** with minimum time lag.
* AutoCAD Drawings making as per requirement.
* **Safety**
* As additional Responsibility, Work as **Safety In-charge** for FRIMA and RINO plant with more than 40 employees 2 concrete Production Machineries, movement of more than 12 heavy vehicles and Equipment.
* Implemented Safe work place culture through various activities of **OHSAS Procedures**, like Tool Box talk, Trainings on Fire Fighting, First Aid, Emergency situations etc.
* **Risk Assessment** to avoid the future possible accidents.
* **Quality Assurance**
* As additional responsibility currently a task is given to check quality of aggregate, purchased from crusher.
* Supervision of Daily basis **Lab Experiments** such as Silt analysis, Sieve test andFlakiness and Elongation test to check the Quality of aggregate and finished Products.
* **Significant Contributions**
* Recently involved in the Installation of **Concrete Batching Plant (Automatic)** for Zenith Machine as an expansion Project for FCP.
* Actively take part in the installation of **ENZOM 400S Automatic German made Cutting Machine** as an expansion project for FCP.
* Efficiently involved in the internal audit (2014) and making of estimated **budget of 2015** for FCP.

**Wah Engineering Collage (Wah Cantt, Pakistan)**

Aug-2013 to Apr-2014 with Wah Engineering Collage as **Lab Engineer**. (Duration contains 1 semester)

Due to practically active in projects and lab experiments, I was selected for this position in my own collage after studies.

* Experiments on **Programming of Microcontroller**and **Embedded system**s.
* Supervise final year projects as follows.
* Pipe inspection Robot with a wireless camera, and remote control (only circuit design).
* Automated room appliances control System based on Microcontroller.
* National Engineering Robotics Contest wall tracking Robot.

**EDUCATION**

* **BE Mechatronics Engineering**(2009- 2013) **Cumulative GPA: 3.19/4.00**

*Wah Engineering College, Wah Cantt, Pakistan*

**Main M0dules:** Robotics, Embedded Systems and Programming of Microcontrollers

* **Faculty of Science (Pre-Engineering)**(2007-2009)

*Pakistan Hira Boys College Jampur, Pakistan*

**FINAL YEAR PROJECT**

**Title: *“Multiple Hand - Gesture Recognition Using Surface - EMG Signals****”*

Five main gestures open, close, normally open, normally close and relaxed condition recognition by non-invasive electrodes. Digital signal processing on embedded system (**ARM Cortex-M4F**). Implemented on an active prosthesis.

**OTHER ACCOLADES**

**Awards:**

* Secured **Best Engineering Design Award** in National Engineering Robotic Contest-2011 held at National University of Science and Technology. (Incorporated with Higher Education Commission)

**Internship:**

* (**Highly secret and Red Zone place)**Pakistan Ordinance Factory, Wah Cantt, Pakistan (4 weeks)
* DG cement factory, DG khan, Pakistan (1 week)

**Conferences:**

* Participation in First **International Conference on Robotics and Artificial Intelligence** at NUST, Pakistan.
* Representation of FCP in the **Conference of Timken Bearings on modern design of bearings** at Hilton Avenue, Ras al khaima.

**Courses:**

* **OHSAS 18001:2007** Internal Safety Auditor course from Chiltern, Dubai.

**IT Exposure:**

* **ORACLE ERP** Management Software for day to day work.
* Microsoft Office package.

**PROGRAMMING LANGUAGES AND ENGINEERING TOOLS**

**Programming Languages:** C/C++ (Excellent), Assembly and ladder logic (Medium)

**Applications Software:** G-simple,Proteus ,Keil uVision4, MatLab, AutoCAD, Pro-E, MPLab, MPLabX, Atmelstudio, LabView(Advanced Signal Processing Toolkit)

**PERSONAL VITAE**

**Languages:** Arabic(beginner), English, Urdu and Hindi (Excellent)

**Date of Birth:** January 8, 1990

**Marital Status:** Married

**Nationality:** Pakistani

**Religion:** Islam

**Driving License**

**License Type:** Light Vehicle license for Gulf countries.

**Issued date:** 19-01-2015

**Expiry date:** 18-01-2025