MUHAMMAD BILAL KHAN

MECHATRONICS ENGINEER

Contact info.

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Objective

Dedicated and highly motivated Mechatronics engineering graduate looking for new challenge. To gain a dynamic and challenging role in a competitive environment, that will offer me the best opportunity for further development of my abilities, skills and knowledge in an established firm with long term career growth possibilities.

Education

2014-2018	**Mechatronics Engineering** University of Engineering & technology Taxila, Pakistan	3.37/4.00
2012-2014	**Pre-Engineering** Federal Board of Intermediate and Secondary Education Islamabad	80.36%
2010-2012	**Matriculation** Federal Board of Intermediate and Secondary Education Islamabad	86.76%

Experience

❖ **Intern in Mari Petroleum Company Limited (MPCL) at Mari RIG 3 Dharian-1 Gujar Khan (30/7/2018 – 7/9/2018)**
   ✓ MARI RIG 3 has the 2500 horse power with the capacity of 8000m.
   ✓ Studied observed and analysed the five main systems of the RIG
   ✓ **Rotating System**: A rotating System consists of TDS, drill pipes, drill collars, mud motor and drill bit.
   ✓ **Hoisting System**: Hoisting system consists of crown block, derrick, travelling block, drill line, hook and draw works.
   ✓ **Circulating System:** Mud pumps, shale shaker, mud tank or pit, flow lines, rotary hose and annulus combine to form a circulating system
   ✓ **Power System:** A power system consists of heavy duty diesel engine, fuel storage tank and VFD (Variable Frequency Drive).

MPCL

- ✓ **Pressure Control System:** A pressure control system is divided into primary and secondary pressure control. A primary pressure control system uses mud to control the pressure so that hydraulic pressure is equal to formation pressure to kill the kicks. A secondary pressure control uses BOP (Blow Out Preventer) when the primary system is failed in controlling the extreme kick**.**
- ✓ **Maintaining of Generators** (CAT 3512B AND CAT C15)
- ✓ **Observed** the wire-line job and running of FPIT (Free Point Indication Tool) at rig by weather-ford.
- ✓ Took the **weight of the mud** used as drilling fluid.
- ✓ **Observed** the fishing operation.
- ✓ **Observed** the cementing job.
- ✓ Screen reading of data generated by **DAC system.**

- ❖ **Intern in Cool Point (PVT) Ltd. Lahore, Pakistan (14/7/2016 – 12/8/2016)**
  - ✓ Studied about the **Electric Control Panels of HVAC Equipments.**
  - ✓ Observed the detail **mechanical and electronic design** HVAC equipments.
  - ✓ Observed the detail process of manufacturing from initial material to final product.

Final Year Project

- ❖ Design and Implementation of Automatic Car Parking System.
  - ✓ This project is actually a Circular Automatic Car Parking System using LabVIEW based GUI

Computer Skills

- ❖ Microsoft Office
- ❖ MATLAB, Prolog, Developer C++, HTML, Keil µVision
- ❖ Solidworks, Solid Edge, AutoCAD
- ❖ Proteus, LabVIEW

Interpersonal Skills

- ❖ Marketing Manager of Electrominds Society of the University
- ❖ Organized different events in Expo Gala'16 arranged by Electrominds Society
- ❖ Motivated and led my group to accomplish the semesters project
- ❖ Member of Blood Donation Society of the University
- ❖ Can easily adopt any kind of environment