**Arslan Ahmed**

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| **OBJECTIVE** | To contribute my talents and innovative skills for development of the company and to shape myself as a sagacious professional while serving the company |

**WORK EXPERIENCE**

***Internee***

*(*June 15, 2017 – October 15, 2017*)*

BESTWAY Cement Limited, Kallar Kahar

Major project in Cement industry that is taking concern in electrical and electronics design department is Grid Station and WHRPP (Waste Heat Recovery Power Plant).

As an Internee, I have explored following departments of industry and gain familiarization with working setup:

* Understanding the distribution network of electrical supply of the whole plant.
* Study and Understanding of the BESTWAY Cement Kallar Kahar Electrical SLD (single line diagram).
* Understand the Inspection of transformers.
* Learned about Purpose of Variable Frequency Drives and its Monthly Inspection.
* Understanding the ISLAND mode of WHRPP (Waste Heat Recovery Power Plant).

***Internee***

*(*August 8, 2014 – September 9, 2014*)*

Pakistan Ordnance Factories, Wah Cantt

As an Internee, I have explored following departments of industry and gain familiarization with working setup:

* Services Group
* Telephone and Instrumentation(T&I)
* Maintenance Electrical(ME)
* Power House
* Energy Distribution(ED)
* SAA Fy
* Brass Mills
* MAA Fy
* B&G

**EDUCATION**

2016 BS Electrical Engineering, HITEC University Taxila (CGPA: 3.03)

2011 FSC, Pre-Engineering F.G Degree College for Men, Wah Cantt

2008 Matriculation, F.G Public Boys High School, Wah Cantt

**ACADEMIC PROJECT**

* **FYP:** Control of On-Load Tap Changing Transformer using hardware and software
* Infrared Control Switches
* Wifi Control Switches
* Over and Under Voltage Fault detection using Arduino
* Verification of Input keys using 7 Segment Display and LEDs by 8086 Microprocessor
* Variable Power Supply
* Fan speed controlled by temperature using Arduino board.
* Laser Security alarm
* House wiring model
* Voltage level indicator

**FINAL YEAR PROJECT (FYP) ABSTRACT**

In start, mechanical type tap changers were used. Mechanical type tap changers have some drawbacks and incapacities like arcing, high maintenance requirements, excessive service costs and a slower reaction time. Therefore, a TRIAC assisted tap changer transformer attached with a Wi-Fi module, controlled with an android app, is presented in this project. Hence, it overcomes the problem of mechanical and conventional tap changers.

The most imperative results depicted following characteristics of our tap changer transformer:

* Low Cost of Maintenance & Service
* High Speed & Jumping in Tap-evolving
* Better Capability & Performance

**SOFTWARE SKILLS**

**Tools:** AutoCAD, Proteus, Microcontroller interfacing, Microsoft Excel, Microsoft PowerPoint, Microsoft Word, Microsoft Visio, Power World Simulator

**Languages:** C, C++, MATLAB

**GENERAL SKILLS**

Team management, can work under pressure, good problem solving abilities, excellent communication skills

**REFERENCE**

Can be provided on request