Engr. Muhammad Bilal

Internee at RESPAK

My goal is to become associated with a company where I can utilize my skills to enhance the company's productivity and reputation while increasing my experience level.

Contact Info

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Waqar Block Hostal City, Royal Avenue
Park Road
Islamabad, Pakistan

Strengths & Skills

- ✔ Troubleshooting
- ✔ Self-Motivation
- ✔ Power World Simulator
- ✔ Proteus
- ✔ Communication Skills
- ✔ Multitasking
- ✔ C++
- ✔ Matlab
- ✔ Decision Making Skills
- ✔ LabVIEW
- ✔ AutoCAD
- ✔ MS Office

Academics

Title	Institute	Score	Date
B.Sc Electrical Power Engineering	University of Wah, Wah Cantt	73%	2017
F.Sc Pre-Engineering	Kanz College of Science & Commerce, Dera Ismail Khan	75%	2012
S.S.C Science	Qurtuba School & College, Dera Ismail Khan	79%	2009

Certifications

Title	Authority	Date
Registered Engineer	Pakistan Engineering Council	Starting September 2017

Experience 1 year

Company	Designation	Duration	
RESPAK	Internee	Jan 2018 - May 2018	**4 months**
Wateen Telecom	Internee	Jun 2017 - Dec 2017	**6 months**
Pakistan Ordnance factories	Internee	Aug 2016 - Sep 2016	**1 month**
AES college of technology	Instructor	Jun 2015 - Sep 2015	**3 months**

Work History

RESPAK — **Jan 2018 - May 2018 (4 months)**

Internee

Wah Cantonment, Pakistan

1. Designing and supervision of the PV system Installation
2. Maintenance of Solar Panels and Back up Generators
3. To solve technical problems related with Generators

Wateen Telecom — **Jun 2017 - Dec 2017 (6 months)**

Internee

Dera Ismail Khan, Pakistan

- Installation of Internet, cable Television, Digital Cable Terminals (DCT), Digital Phone Terminals (DPT) and Home entertainment Equipments
- Supervised Other technicians

Pakistan Ordnance factories — **Aug 2016 - Sep 2016 (1 month)**

Internee

Wah Cantonment, Pakistan

- Understanding the working principle of Gas Power Plant and Steam Power Plant

- Maintenance of electrical components like Transformers, different types of motors & Generators
- Schematic drawing of grid station equipment
- Testing of transformer relays and connections

AES college of technology **Jun 2015 - Sep 2015 (3 months)**

Instructor

Dera Ismail Khan, Pakistan

- Taught Introductory and upper level courses in Electro Mechanical System, Power Generation, Power Transmission, Power Distribution and Power Electronics
- Supervised and evaluated students Lab work
- Coached Students on Public speaking and Presentation skills

Projects

DESIGN OF PROTOTYPE OF SOLAR-WIND HYBRID POWER GENERATION SYSTEM

Company: Final Year Project

Tools: Solid Works, Mat lab

The system is composed of an Archimedean spiral wind turbine, DC generator, a “solar panel”, a “charge controller”, a “battery” and an “inverter”. The solar panel and wind turbine work in tandem to charge a battery via a controller. After, an inverter will be used to convert DC power from the battery into AC power. The system will have a battery bank to supply electric power continuously.

Designing of the 100 Watt wind turbine prototype is the main objective of this project

DESIGN AND FABRICATE 3 PHASE AC TO DC BUCK BOOST CONVERTER FOR BATTERY CHARGING

Company: Semester Project

Tools: Mat Lab, Proteus

The project is consist of two parts

3 Phase AC to DC Converter
DC to DC Buck Boost converter

References

Prof. Aamir Hanif | (051) 905525216

University of Wah
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Senior Supervisor Muhammad Shafiq | 0514909497

RESPAK
shafiq@respak.com.pk

Industries

- Power/Energy

Languages

- Pashto - Native
- Urdu - Native
- English - Medium
- Saraiki - Medium

Hobbies

- Vollebal
- chess
- Reading