Adnan Kareem

OBJECTIVE

To work for an organization which provides me the opportunity to develop and improve my technical skills and knowledge to growth along with the organization objective.

EDUCATION

Sep 2014 – July 2018 **Bachelors of Science (Electrical Engineering)**

HITEC University Taxila, Pakistan
Obtained CGPA. 3.04

- ✓ *Specialization Subject Studied; Power Electronics, Power Transmission and Distribution, Power System Analysis, Power System Operation and Control Power system Protection, Control System , Electric Machines*

Aug 2011– July 2013 **Higher Secondary School Certificate (HSSC) Pre Engineering**

BISE Peshawar, Pakistan
Obtained Percentage 77.03%

Aug 2009 – July 2011 **Secondary School Certificate (SSC) Science Group**

BISE Abbottabad, Pakistan
Obtained Percentage 85.33%

PROFESSIONAL EXPERIENCE

July 2017 – Sep 2017 **Mangla Power Station, Internee**

During my internship at Mangla Power House I had visited different workshops for period of six weeks. During this period my responsibilities were:

- *To monitor and analyze the daily and monthly load curve*
- *To monitor the parameters of governor system*

PERSONAL DETAIL

House#56,Sector #3, Khalabat Town Ship, Tehsil and Distt Haripur, KPK, Pakistan

April 06,1995

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SOFTWARE SKILLS

Microsoft Word

Microsoft PowerPoint

Arduino IDE

Matlab

Power World Simulator

Etap

- *To monitor the state of protection devices installed within the premises of power house*
- *To monitor and analyze the relays in switch yard of power house*

TECHNICAL PROJECTS

✓ *FYP titled "**Energy Harvesting Using Hybrid Piezoelectric Solar Based System"***
I presented and implemented an idea to utilize the two sources of renewable energy (i.e. Solar and piezoelectric) which can drive both AC and DC load. To order to implement this project I used power electronics based concepts. To increase the performance of PV module I used Maximum power point tracking method (i.e. perturb and observe algorithm) while piezoelectric transducers were used to get power from vibrations to charge the battery. Both batteries are placed in parallel and then SPWM inverter was installed to derive AC load,
***Results** achieved by this project are*

- *Using Maximum power point algorithm for PV module has reduced to charging time to almost its half*
- *In absence of solar energy (i.e. at night) piezoelectric system can charge the both batteries*
- *This system is successfully tested for a small shopping mall*

SEMESTER PROJECTS:

- **Designing of Buck Boost Converter:**

  *I made this project for my course of **Power Electronics** In this project I deigned a buck boost converter and displayed its parameters on LCD. This helped me a lot in designing the circuit for MPPT*

- **Simulation on "Wind Turbines"**
  *I made this simulation as semester project for my course of "**Power Generation".** In this simulation I used 9 wind turbines for generation and controlled its parameter by altering the speed and direction of wind*

- **Simulation on " Series and Shunt Compensation"**
  *I made this simulation for my course of**" Power Transmission and Distribution"** and reduced the reactive power and improved the power factor.*

LANGUAGES

English ■■■■■■

Urdu ■■■■■■

Hindko ■■■■■■

- **Simulation on "Improvement of Power Quality using FACTS devices**
  I made this simulation for my course of ***Power System Analysis*** *and improved the quality of power using* ***Unified Power Flow controller***

- **Over and Under Voltage Protection System**
- **Garbage measurement system using IOT**

PERSONAL SKILLS

- ✓ *Good communication - written and oral skills*
- ✓ *Excellent conceptual and technical skills*
- ✓ *Effective interpersonal skills*
- ✓ *Result driven , logical and methodical approach to achieve task and objectives*