

Arslan Karim

Electrical Engineer (Specialized in Power)

Contact: +92 342 9011842 | enr.arslankarim@gmail.com

Objective

To work with bright minds and learn from experienced individuals in an ambitious organization that values integrity and work ethics, and shares my passion for setting high targets and achieving them.

Academics

Bachelors in Electrical Engineering –University of Engineering & Technology, Lahore CGPA 3.475/4.0 (2013 – 2017)

Higher Secondary School Certificate (Pre–Engineering) – APS & ACS, Lahore 924/1100 (2011 – 2013)

Secondary School Certificate (Science) – Ahmed Public School, Lahore, Pakistan 889/1050 (2009 – 2011)

Professional Experience & Internships

- **Intern – International Engineers** (Jan 2018)
 - Attained the basic knowledge of the plant through Turbine's (Shinko (Japan), Treveni (India)), ABB VFD's and SIMENS Refines Machines on plant.
 - Attained the knowledge of Boiler (380 Ton) three Point Control and also participate in HT and LT Designing.
 - Made a detailed layout of the plant on ETAP
 - HT, LT, Transformers, ACB, VCB, VFD's (Especially ABB's), Inverter's etc.
- **Intern – DG Cement Factory, DG Khan** (Jul – Sept 2015)
 - Attained the knowledge of the plant through PLC's and SCADA's
 - Used multiple software's like Microsoft Excel, ETAP etc. to simulate the parameters from the plant
 - Presented the internship experience as a presentation and a report to Manager TTC on the culmination of internship
- **Intern – United Engineer's & Contractors, Lahore** (Jun – Aug 2016)
 - Attained the basic knowledge of Electrical designing for buildings.
 - Participated in electrical designing for UCP's and US Aid.
 - Used software's like ETAP, AutoCAD to calculate the load size, and got the practical knowledge of generation process, protection strategy and maintenance etc.

Projects

- **Final Year Project on Single Phase to Three Phase AC Drive System– VFD** (Sept 2016 – May 2017)
 - Studied the problems associated with the already installed Speed control Techniques.
 - Researched and designed a Machine assembly employing Space Vector Pulse Width Modulation Technique in place of the Square Wave.
 - Performed the speed control and energy saving along with torque control analysis on the VFD.
 - Reduced the amount of torque to add protection which is suitable for smoothly running.
- **Grid Tie Inverter (GTI)** (2015)
 - Presented the idea of grid tie inverter with the help of a plant made of recycled materials
- **Real Time Measurement of Power & Power Factor Improve.** (2014)
 - The furnace plays a vital role in coating metal bodies and instruments with a layer of nitrogen oxide to prevent corrosion

Leadership & Management Experience

- **Secretary – UET Blood Donating Society** (2016 – 2017)

Managing the biggest and the most organized student run body in the university.
- **Director Human Resource - UET Science Society** (2013 – 2016)

Joined as member Human Resource and, after two promotions in almost a year, rose to the office of Director HR. Working in HR involved handling the internal matters of the whole society and creating a suitable environment suitable for working.
- **Member - IEEE Society in UET LHR** (2015 – 2016)

Helped reform and organize UET IEEE Society at the university from scratch after it was almost dead.

Events Organized

- INSPIRE – Internship/ Research Student Poster Presentation (2013, 2014)
- Science IEEE (2014, 2015, 2016)
- Safety Environment Workshop (2014)
- Gordian of Garden (2015)
- Pink Day – Breast Cancer Awareness Sessions (2016, 2017)
- Organized the Job fair in university with attendance from over 20 industries (2016)
- Meet the Scientist (2017)

Awards and Achievements

- Became the member of IEEE
- Member of X-NEWS
- Held the post of Class Representative and then the House Captain in school and College respectively

Skills

- Power : ETAP, AutoCAD and MATLAB, Proteus, Arduino
- Load circuit design: Design and Analysis of Load.
- Power Analysis: Experian of Steam Turbines (Shinko, Treveni) and also sinking.
- Cables Designing: HT, LT, Transformers, ACB, VCB, VFD's (Especially ABB's), Inverter's etc.
- Computer Skills: Microsoft Word, Excel, PowerPoint, C Language
- Language Skills: Proficient in English and Urdu. Basic Knowledge of Punjabi

References

Will be provided upon request