

EDUCATION

Lahore University of Management Sciences (LUMS)

BS Electrical Engineering (EE)

May 2018**Relevant Coursework:** Computational Problem Solving, Data Structure, Introduction to Programming, Energy Economics, Calculus 1, Calculus 2, Probability, Electromechanical Systems, Renewable Energy Systems**PROFESSIONAL EXPERIENCES**

RK Gears – Summer Intern**July 2018**

- Responsible for Procurement, learned the basics of Supply Chain and Designed data base of all records
- Converted hydraulic turret to electric turret and designed a controller with optical sensors
- Designed and implemented the improvement strategy throughout the organization

JBnJaws Productions – Summer Event Organizer**July 2017 - Oct 2017**

- Responsible for Procurement, Branding, Dealing and Negotiating with vendors nationwide and Raising PR for multiple events
- Executing, operating and implementing on ground events and activities.
- Organized the launch event for QLED, VEON (Budget = PKR 20,000,000) Baskin Robin and Pakistan Wedding Show with an organizing team of 10

PEL – Summer Intern – Switch Gear Department**June 2016 – July 2016**

- Programmed a Calculator to calculate the Current Carrying Capacity of Various Cables
- Received Training for Protection Panels (Relays, Circuit Breakers etc.) , working of LV and HV transformers and its designing and Understanding of electric diagrams

ALPHA Society – Vice President**May 2017 - May 2018**

- Coordinating a General Body of 55 and working on re-branding of our organization's image, by delivering more focused event-based entertainment offerings
- Trained a team on developing soft skills such as negotiations, managing client relationships, and securing event sponsorship
- Responsible for branding, marketing, logistics, procurement and management of RUNG, Movie Night Out and Splash

PROJECTS

Smart Metering with Power Analysis Capabilities**Sep 2017 - May 2018***Supervision of Nauman Ahmad Zafar and Dr. Adeel Pasha*

- Designing a Smart Meter which integrates a mobile app with the Electric Meter and incorporate different mode of payments
- Designing Capabilities for providing real-time billing, power quality and electricity consumption analysis
- Replacing the conventional UPS with SOFT UPS option to avoid Power losses

Metal Detector Wireless Robot**Jan 2017 – May 2017**

- Designed a wireless communicating robot using X-Bee with additional feature of GSM to send warning signals
- Incorporated capabilities for Mine Detection in Warzones, Mining or for Countering Terrorism

Technical and Economic Assessment of 42kWp LUMS power plant**Jan 2018 - May 2018**

- Technical challenges and mapping demand with supply
- Consumer perspective: economic viability of PV power generation and its assessment and leveled cost of electricity
- Net Present Value Analysis and possible market development for grid connected PV throughout the country

EXTRACURRICULARS

RIZQ**Jan 2016 – May 2016**

- Managed Operations for Collecting Surplus Food from Restaurants and Banquets to eliminate hunger and malnutrition

RAVVISH**Sep 2014 – Dec 2014**

- Coached children in underdeveloped public schools on weekends to promote Religious and Cultural Tolerance

SKILLS AND INTERESTS

- **Software Tools and Applications:** CREO Parametric, Proteus, LTspice, MATLAB, Arduino
- **Technical Skills:** C++ Programming, Circuit Design, Soldering, Wiring, Engineering Model Designing
- **Interests:** Event Management, Travelling, Community Service | **Languages:** English, Urdu, Pashto, Hindko