

## EDUCATION

### Georgia Tech University

December 2015

- Energy 101: Big Picture
- Grade: Passed

### Project Management Institute, Pennsylvania (United States)

February 2015–Present

- Certified Associate in Project Management
- Acquired expertise for 9 knowledge areas of Project Management

## PROJECTS

### Energy Audit & Conservation Program (ECAAP)

Ongoing

*Premier Energy Private Limited & Punjab Energy Department*

- Energy audit and conservation plan of Government College University
- Formulating energy quantification of appliances, area segregation, WAPDA & Generator analysis, and proposing 3 recommended solutions along with costing.
- To be presented to Chief Minister, Punjab.

### Independent Power Provider Registration of Premier with Alternate Energy Development Board

Ongoing

- In preliminary stage that involved formulation of proposal for 1 MW power plant at Padhri (only energy production capacity measured & research on grid interactive inverters)

### Final Year Project: Renewable Energy System: Salinity Gradient Solar Pond

2014-2015

*National University of Sciences and Technology*

- Innovation: First pilot scale salinity gradient solar pond in Pakistan
- Construction and design of pilot scale Salinity
- Optimization of heat extraction through internal heat exchanger from SGSP.

### Undergraduate Researcher

April 2014

*National University of Sciences and Technology*

- Conducted research on production of biodiesel from waste sludge

### Health, Safety and Environment Officer

January 2015

*National University of Sciences and Technology*

- Conducted HSE walkthrough survey of Institute of Environmental Sciences and Engineering, NUST based on OSHA standard
- Presented a feasibility report.

## WORK EXPERIENCE

### Premier Energy Pvt Ltd

October 2015- Present

*Team Leader- Technical*

- Research & Development Specialist
  - Preparation of Wind. & Biomass feasibility report for study of Pakistani market and to expand the business
  - Correspondence with International Bodies like Pakistan German Renewable Energy Forum & IRENA for funding
  - Energy Audit & Conservation Program
- Design Solar Projects:
  - Currently working in a solar farm project for registration of Premier as Independent Power Provider (IPP) with Alternate Energy Development Board.
  - National Rural Support Program: providing off grid solutions
- “Illuminating Lives through Renewable Energy” Awareness Program Coordinator and Trainer- Conducted programs in NUST, Metro
  - Future target organizations: LEADS university, UET Lahore with CERAD and Lahore Grammar School, 55- Main Lahore.
- Working with Former Clean Development Mechanism Head Cell, Mr. Amjad Hussain for Carbon Credits implementation for large-scale Industrial clients.