



Adil Jamshad Ihsan

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EDUCATION

Lahore University of Management Sciences

June 2014 - June 2018

BS (Electrical Engineering)

Relevant Courses: Electromechanical Systems, Electrical Power Systems, Communication Systems, Devices and Electronics, Micro Electronics, Power Electronics, Renewable Energy

EXPERIENCE

Saif Power Plant Sahiwal

Intern

July 2017 - August 2017

- Observed the electrical and mechanical designs of 11KV grid station.
- Learnt the designing and operation of a power plant.
- Learnt about maintenance techniques of a power plant.
- Learnt about the different types of power plant

LUMS

Research Assistant

May 2017 - September 2017

- Worked on the designing of transmission of high voltage DC.

PROJECTS

Quadcopter For NERC'16

Developed a quadcopter for a competition named "Game of Drones" of the National Engineering and Robotics Competition (NERC'16).

PV Systems for Remote Applications

Designed and engineered a DC to AC converter for standalone solar power systems.

FM Transceiver

Fabricated a wrist mounted FM transceiver for disaster and emergency situations

Inverted Pendulum

Developed model and implemented project for inverted pendulum during the feedback and control systems course using Simulink and MATLAB.

VTX computer supply to lab supply

Constructed a variable power supply for driving various loads.

Firefighting Robot

Programmed a robot capable of detecting source of fire, maneuvering towards it and extinguishing it, using discrete components. Fabricated during course of university project.

ADDITIONAL SKILLS AND EXPERIENCE

C++, C, Arduino, Matlab.

3D Modelling using Solidworks and Creo Parametric.

PSIM, Ares, Etap, LTSpice for Simulating Circuits.

Audio and Video editing using Sony Vegas.

HONOURS AND AWARDS

National Engineering Robotics Competition 2016

First position secured for game of drones at National University of Science and Technology.

EXTRA CURRICULAR

Spades (Society for Promotion and Development of Engineering and Sciences

DIRECTOR -IT

Wordpress developer at www.spades.lums.edu.pk

Led teams for Tour De Mind which is an academic event of PSIFI