MUHAMMAD ADIL FAYYAZ



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EDUCATION

BS Mechanical Engineering

Pakistan Institute of Engineering and Applied Sciences (PIEAS), Islamabad.

09/2014 - 06/2018

cGPA: 3.63/4.00

Final Year Project and Thesis Topic:

- Design, Testing, and Fabrication of Vertical Axis Wind Turbine(VAWT) w.r.t Islamabad Wind Condition.
- Operating Wind Speed Range 3m/s-8m/s.
- Innovation: Stationary main shaft and bicycle wheel as rotating power source. Practical Power Output: 50W.
- Mechanical Energy Conversion to Electrical Energy.

WORK EXPERIENCE

Teaching Assistant 2016 - Present **PIEAS**

Intern Aug 2016 - Sep 2016 Millat Equipment Limited (MEL), Lahore.

Intern June 2015 - July 2015

School of Mechanical and Manufacturing Engineering (SMME), NUST, Islamabad.

PROJECTS

Recumbent Human Power Vehicle "PACER" by Team "Nilore Striker" for American Society Mechanical Engineering (ASME) NUST HPV Competition 2017.

Design and analysis of 660cc Internal Combustion Engine and compared it with Suzuki Alto Engine.

Shaking and pin reactions, flywheel effect, and balancing of Two Stroke Engine in Computer-Aided Design II.

Thermodynamic and cost analysis of Adsorption Chiller at MEL, Lahore.

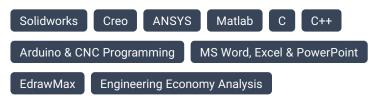
Structural analysis and modelling of Chassis of a 1000cc automobile in Machine Design II.

Engine Bed Test of Mercedes Benz Engine and Design of Jigs and Fixtures at SMME, NUST, ISL.

Air Engine Assembly in Computer-Aided Design I.

Audio amplifier, simple line tracking robot and solar water heater from 2012-2014 and different design on Autodesk Arduino simulator via online courses 🗷

SKILLS



EXTRACURRICULAR ACTIVITIES

Volunteer work for local child Project "TAKMEEL" 2016 - 2017.

TED Member since 2015 and organizes TEDx PIEAS in 2016.

Volunteer for PIEAS Shell ECO Marathon Asia team "ECONOVA" Urban Concept Car 2015 - 2016.

Co-Head Welcome & Farewell Committee PIEAS 2015 & 2017.

Blood Donation for thalassemia Patients held by Jamila Sultana Foundation in PIEAS in 2014, 2016, and 2017.

Customized Hoodie Project in Youth Entrepreneur Society (YES) Drive 2017 in Entrepreneurship.

Member of Institute of Engineering and Technology (IET) Network, Islamabad since 2015 and ASME in 2014 - 2015.

AWARDS AND HONORS

Runner Up Award in ASME NUST HPV Competition 2017.

Honorary Event Coordinator PIEAS National Olympiad 2017.

Appreciation Award in "Synergy" Conference 2016 by presenting energy crisis solutions of Pakistan.

Winner of Entrepreneurship Competition "Create'16" by presenting "Automation of Gur (Jaggery) Production Process".

Merit-Based Full Scholarship in PIEAS (2014 - 2018) in BS.

Merit-Based Full Scholarship in Punjab College of Science.

Winner of the title Brain of The Trust School in a competition "Brain of The Trust School" 2010.

Special Prize Winner of the "20th Science Innovation (Models) Competition" held at Science Museum UET Lahore in 2008.

INTERESTS

