



USMAN JAVED


BE (Electrical Engineering)

PEC Registered Engineer



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Objective:-----

Seeking a career in your exigent, multicultural and growth oriented organization, as an Electrical Engineer for opportunities of professional growth and learning business development strategies. Success prolongs excessive hard work and dedication towards an organization and I would carry this attitude forward to make myself a key factor in achieving the organization's goals and objectives.

Summary of Professional Skills: -----

- Ability to learn new skills and technologies by own.
- Experties in software designing and simulation
- Good understanding in RF and microwave

Academic Profile: -----

- **Bachelor of Engineering (B.E.) – Electrical Engineering 2014-2017**
PAF Karachi Institute of Economics & Technology (PAF-KIET).
- **Intermediate (H.S.C) – Pre Engineering, 2013**
Govt. Degree College Gulshan-e-Iqbal, Block # 7
- **Matriculation (S.S.C) – Science, 2011**
Prince Aly Boys Secondary School

Work Experience:-----

- Researcher and Design Engineer (JAN 2018–Present)
PAF-KIET(Karachi institute of economics and technology)
- Lab Engineer
PAF-KIET(Karachi institute of economics and technology)

Design Experience:-----

- Ionic air purifier Design & performance simulation
- Capturing WIFI and transfer Wireless power
- Metasurface(Metamaterial) grating structure for GAS sensing.

Technical Skills:

- Plc Programming
- Instrumentation
- Solar panel installation

Projects: -----

- Incubator box
- Line following Robot
- Obstacle avoiding Robot
- Control System using Plc for a Paint Mixing Machine
- Plasma Speaker
- Energy scavenging from Sunlight

- Fm transmitter and receiver

Final Year Project:-----

- **“Energy Harvesting From Wifi”**

We have researched and designed a circuit that capture wifi signal from the environment and try to make it useable for ultra-low power devices.

ENGINEERING Softwares & computer skills:

Proficient in:

MS-Office

Engineering Software:

Solid Works, DOP soft, WPL soft, Multisim, Matlab, ISIS Proteus, Altium Designer,

ADS (Advance Design System), MP Lab, Hfss, CST microwave studio, COMSOL multiphysics

ACHIEVEMENTS:-----

- Member of EDCAS (Electronics Device Circuit and System) PAF-KIET.
- Participated in the student exhibition projects 2017.
- Participated in the INTELLECT 2017