

## Muhammad Zia

MS Electronics Engineering (PEC Registered)

Email: zia.gikian@gmail.com

Cell No: (0092)3469803721

### Profile Summary



To achieve good position in a well-reputed institute/organization and remain responsible team member in a result oriented and fully integrated work environment, where I can exercise and apply knowledge that I gained during course of my studies. Also willing to work in highly competitive environment and have sincere dedication for challenging jobs, highly motivated to build bright carrier through brilliant performance and struggle in an innovative esteemed institute/organization.

### Work Experience

- **Visiting Lab Technologist, Electronics Department,** Nov 2018 - Present.  
*University of Technology Nowshera (shuhada-e- APS,UoT), Nowshera, KPK*

#### Courses Taught/Lab conducted

- Digital Logic Design
- Electronic Devices and Circuits
- Electric Circuit Analysis
- Microprocessor Based System & Interfacing
- Amplifier and Oscillator

- **Lab Engineer/ Teaching Assistant, Electronics Department** Aug 2013-2017.  
*GIK Institute of Engineering Sciences and Technology, Topi, KPK, Pakistan*

#### Lab Conducted

- Digital Logic Design
- Electric Circuit Analysis

- **Design Engineer**

Analog and digital circuit design using simulation software's at Pak Electronics.

### Qualification

#### Professional Qualification

##### Master of Science in Electronics Engineering

*Ghulam Ishaq Khan Institute of Engineering Science and Technology* 2013-16

#### Academic Qualification

##### Bachelors of Science in Electronics Engineering

*Air University, Islamabad* 2009-13

## Technical Skills

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### Software's

- Proteus Professional
- NI Multisim
- Lt Spice
- Arduino
- TinkerCad
- MATLAB
- Kiel
- Xilinx
- GNU Simulator
- Designing: Adobe Photoshop/ Illustrator/Wondershare
- MS Office

## MS Thesis/Research

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*Title: Realization and Analysis of Flyback Based Air Ionizer*

An air ionizer is a device that is intended to purify the air in a room by electrically charging the air molecules. Instead of using fans and filters to purify the air, an air ionizer uses ions to remove microscopic particles from the air. An air ionizer makes the air in a room healthier for people who are suffering from asthma, allergies, impaired immunity or respiratory ailments because fewer allergens circulate into the lungs.

## Publications

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1. Muhammad Uzair Khan, Muhammad Zia, Sarmad Feroze “Coverage control algorithm for node scheduling in wireless sensor networks”. Published in FIT,2016 international conference(IEEE).
2. Muhammad Zia, Muhammad Uzair Khan, Sarmad Feroze. “Realization and analysis of flyback based air ionizer”. Submitted to Turkish Journal of Electrical and Computer Engineering

## Personal Information

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Nationality: Pakistani  
Religion : Islam  
Languages : English, Urdu, Pushto

## References

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- Dr. Haider Ali

*HoD Department of Electrical/Electronic Engineering Technology UoT Nowshera*  
[haider.ali@uotnowshera.edu.pk](mailto:haider.ali@uotnowshera.edu.pk)

- Dr. Naveed Jan

*HoD Department of Information Engineering Technology UoT Nowshera*  
[naveed.jan@uotnowshera.edu.pk](mailto:naveed.jan@uotnowshera.edu.pk)