



Muhammad Zia

Lecturer

Department of Energy Engineering Technology

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EDUCATION

M.S. Electronic Engineering, Dec 2017

Ghulam Ishaq Khan (GIK) Institute of Engineering Sciences and Technology, Topi, Pakistan

B.E. Electronics Engineering, June 2013

Air University, Islamabad, Pakistan

TEACHING INTERESTS

Power Electronics, Microprocessor & Microcontrollers (Arduino), Digital Logic Design.

RESEARCH INTERESTS

Electronic Circuit Designing

EXPERIENCE

- **Lecturer, Department of Energy Engineering Technology**, July 2022 – Present
University of Technology Nowshera, KPK, Pakistan
- **Lab Technologist, Department of Electronics Engineering Technology**, Nov 2018 – July 2022
Sarhad University of Science and Information Technology, KPK, Pakistan
- **Teaching Assistant/ Lab Engineer, Faculty of Electronic Engineering**, Aug 2013 – Aug 2015
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, KPK, Pakistan

SOFTWARE SKILLS

- Proteus Professional
- MATLAB
- Multisim
- Arduino
- Keil

PROJETS

- 3d-Printer
- Home Automation

RESEARCH PUBLICATIONS

1. M. U. Khan, S. Feroze, and M. Zia, "Coverage Control Algorithm for Node Scheduling in Wireless Sensor Networks," in *International Conference on Frontiers of Information Technology (FIT)*, 2016, pp. 17-22. <https://doi.org/10.1109/FIT.2016.012>
 2. Performance and Design Comparison of Moving Magnet Linear Oscillating Actuators based on their Mover Positions. *WJE-12-2021-0671.R1 Published in word journal of Engineering* on 17 may 2022
 3. Design and Analysis of Modular Moving Magnet Linear Oscillating Actuator for Compressor in Refrigeration System. *WJE-09-2021-0529.R1 Published in word journal of Engineering* on 17 may 2022
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