



## **Muhammad Uzair Khan**

Lecturer

Department of Electrical Technology

uzair@uotnowshera.edu.pk

---

### **EDUCATION**

**M.S. Electronic Engineering**, Dec 2015

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

**B.S. Electrical Engineering**, June 2013

**University of Engineering and Technology**, Peshawar, Pakistan

### **AWARDS AND ACHIEVEMENTS**

- **MS with distinction**, GIK Institute, 2013-2015.
- **MS Scholarship**, GIK Institute, 2013–2015.

### **TEACHING INTERESTS**

Electrical Circuit Analysis, Electronics, Communication Systems, Control Systems, Electrical Power Systems.

### **RESEARCH INTERESTS**

Renewable Energy Systems and Wireless Sensor Networks.

### **EXPERIENCE**

- **Lecturer, Department of Electrical Technology**, Aug 2016 – Present  
**University of Technology Nowshera, KPK, Pakistan**
- **Lecturer, Department of Technology**, Mar 2016 – Aug 2016  
**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**

- Multisim
- MATLAB
- OriginLab
- HFSS
- AutoCAD

## **RESEARCH PROJETS**

- GSM speech coder indirect identification algorithm
- Node scheduling in wireless sensor networks
- Investigation of thermoelectric generators based on multi-walled carbon nanotubes and graphene

## **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. Uzair Kh.M., Adnan N., Adam Kh., Karimov Kh.S, "An Experimental Study on the Thermoelectric Properties of Bulk MWCNTs," in *Materials of the Republican Scientific- Practical Conference on Economics and Perspectives of Renewable Energy Development in Republic of Tajikistan*, 2015, pp. 188-195.
  3. Haroon Rashid, Kh. S. Karimov, Kh.M.Akhmedov, M.Uzair Khan, "Fabrication and Investigation of Thermoelectric Properties of Bismuth Telluride Pellets with Indium Tin Oxide (ITO) in Parallel Combination," in *Materials of the Republican Scientific- Practical Conference on Economics and Perspectives of Renewable Energy Development in Republic of Tajikistan*, 2015, pp. 172-176.
-