



AMAD HAMZA

Lecturer

Department of Electronics Technology

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EDUCATION

Ph.D. Electrical Engineering (Artificial Intelligence), In progress
University of Engineering and Technology (UET), Peshawar, Pakistan

M.S. Electrical Engineering (Communication & Electronics), April 2015
University of Engineering and Technology, Peshawar, Pakistan

B.S. Electrical (Electronics) Engineering, July 2011
AIR University, Islamabad, Pakistan

AWARDS AND ACHIEVEMENTS

- **Pioneers of the Metrocure System in Peshawar** by CISNR (UET Peshawar) December 2015
- **Pioneers of the Transfocure System in Peshawar** by CISNR (UET Peshawar) August 2014.
- **Pioneers of the Electrocare System in Peshawar** by CISNR (UET Peshawar) June 2013.

TEACHING INTERESTS

Microelectronics, Amplifiers, Power Electronics, Electrical Circuit & Analysis,

RESEARCH INTERESTS

Lossless video compression, Digital circuit Evolution, Artificial Neural Network (ANN), Cartesian Genetic Programming (CGP).

EXPERIENCE

- **Lecturer, Department of Electronics Technology**, Aug 2016 – Present
University of Technology Nowshera, KPK, Pakistan
- **Lab Engineer, Electrical Engineering Department**, December 2015 – Aug 2016
University of Engineering and Technology (UET), KPK, Pakistan
- **Hardware Design Engineer, CISNR**, August 2014– December 2016
University of Engineering and Technology (UET), KPK, Pakistan
- **Research Assistant CISNR**, July 2013–August 2014
University of Engineering and Technology (UET), KPK, Pakistan

SOFTWARE SKILLS

- Matlab
- Multisim
- Proteus

RESEARCH PROJETS

- Design and implementation of a prototype for a secure billing framework with Real Time Detection of Malicious End Node Connections using Wireless Sensor Networks to Curb Electricity Theft
- Design and implementation of the photo billing system for PESCO
- Design and implementation of the transformer monitoring system for Military Engineering Services (MES) of different regions

RESEARCH PUBLICATIONS

1. **Hamza, Amad**; Jan, Tariqullah; Jehangir, Asiya; Shah, Waqar; Zafar, Haseeb; Asif, M.;, “A Novel Approach for Blind Estimation of Reverberation Time using Gamma Distribution Model”. Journal of Electrical Engineering and Technology, ISSN(Online) 2093-7423, **Volume 11, Issue 2**, 2016, pp.529-536 http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=E1EEFQ_2016_v11n2_529
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