

# QUDSIYA IRUM

Department of Electrical Engineering  
COMSATS University Islamabad  
Park road Chak Shahzad Islamabad  
Cell: +923155105092  
E-mail: qudsiya.irus@comsats.edu.pk  
Date of Birth: 27<sup>th</sup> october, 1987

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## OBJECTIVE:

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To excel in the field of Electrical Engineering in a dynamic university, which offers professional, ethical and personal growth by providing substantial responsibility and a potential to buff up my accessible skills.

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## PROFESSIONAL PROFILE

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- **Lecturer (July 2013-Present)** Department of Electrical and Computer Engineering  
COMSATS University Islamabad

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## EDUCATION:

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- Ph.D in Electrical Engineering , CUI Islamabad Campus (2014-2022)  
Topic of Research: Finite Dimensional Modelling of Underground Coal Gasification
- MSc Electrical Engineering (cgpa 3.47/4)  
COMSATS Institute of IT, Islamabad 2011-2013
- BSc Electrical Engineering (cgpa 3.95/4)  
University College of Engineering and Technology,  
Mirpur Azad Kashmir 2006- 2010
- FSc (Pre- engineering) (78.5%)  
Govt. Degree College for Women Bagh Azad Kashmir 2003- 2006
- Secondary school certificate (83.2%)
- Spring Field Children Academy Bagh, Azad Kashmir 2002-2003

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## DISTINCTION:

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- 2<sup>nd</sup> Position in BSc Electrical Engineering with cgpa of 3.95/4.
- Throughout first division in educational career.

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## RESEARCH EXPERIENCE

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- Installation of 500W solar dish for thermal generation in CIIT Islamabad.
- Installation of 400W Solar Collector in CIIT for Street Lightning.
- Design of solar home light system using optical fiber cables

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## RESEARCH PUBLICATIONS

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- **Q. Irum**, N. Khan and A. Noreen, "Fiber Optic Solar home Lighting System, "International Conference on Safety, Construction Engineering and Project Management (ICSEPM 2013), Issues, Challenges and Opportunities in Developing Countries", National University of Sciences and Technology (NUST), Islamabad, Pakistan, August 19-21, 2013.  
(1.0 CPD is recommended for participation)
- Galerkin Finite Element Based Modeling of One Dimensional Packed Bed Reactor for Underground Coal Gasification (UCG) Process, December 2020 [IEEE Access](#) 8(99):1-1

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## CERTIFICATES

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- Certificate of participation in five day training course on **SMART GRID** (Intelligent Energy Management) at Federal Urdu University of Arts, Science and Technology, Islamabad, in collaboration with The University of Tennessee at Chattanooga, USA.
- Certificate of Professional Development Workshop on **Writing & Publishing Research Papers** by Robotics and Control Research Group in COMSATS Islamabad.
- Certificate of participation in **5<sup>th</sup> Pre-Service Training Course** held from June 23, 2014- August 22, 2015 in Faculty Development Academy COMSATS Islamabad.
- Certificate of participation in **New Energy Technologies** held in Pak China Business Forum 2015.

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## PROFESSIONAL MEMBERSHIP

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- Pakistan Engineering Council ELECT/30454, Member of Pakistan Engineering Forum (PEF)

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## COMPUTATIONAL SKILLS

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- Windows Conversant with Windows 2003, 2007, XP professional, Internet Browsing, Microsoft Office (MS Word, Excel, Visio, Power Point etc.)
- Electronic software worked with different Electronics software (Electronic Workbench, Proteus, soft oscilloscope, Matlab, AutoCAD and PSCAD) C++ language, LaTeX

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## REFERENCES

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- Professor Dr. Shahid A. Khan  
Dean Electrical Engineering Department COMSATS Islamabad  
Cell no: 03005185348  
Email: [shahidk@comsats.edu.pk](mailto:shahidk@comsats.edu.pk)
- Professor Dr. Nasrullah Khan Kalair  
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