

Umair Hassan

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Education

2014 – 2017

University of Tromsø, Norway.

Master's in Electrical Engineering.

Master Thesis: [Using Point of Common Coupling \(PCC\) for Power Shaving in Grid Connected Hybridized Network.](#)

2007 – 2010

Sir Syed University of Engineering and Technology

Bachelor's in Electronics Engineering.

*Bachelor's Project: [24*7 Efficient Patient Monitoring through Wireless / Wired Network.](#)*

Professional Skills

Certifications:

Introduction to Shell from DataCamp

Programming / SW Tools

Python, C++, MATLAB & Simulink, ML, IoT, AutoCAD, Verilog, PSPICE

Core Skills

- Understanding of Power Systems, Electronics, Telecommunications, Computer Networks, Wireless Communications, Instrumentation, Control Systems, Power Electronics, Renewable Energy.
- Data Collection and Analysis.
- Technical documentation using Word and Latex.

Experience

Jan 2019 – Present

Lab Engineer, NED University of Engineering and Technology.

- Taught Basic Electricity & Electronics and Applied Physics Courses.
- Conducted labs related to process control and instrumentation, troubleshooting, diagnose and maintenance of the lab instrument.
- Also worked as an LMS facilitator.

May 2018 – Dec 2018

Project Engineer, Arabian Pearl Engineering Karachi.

- Light installation and maintenance project in Engro Polymer and Chemical. Perform quality control of the work (budget, schedule, plans, personnel's performance) and report regularly on project status.

Oct 2012 – Mar 2013

Intern Telecom Engineer, Pakistan Telecommunication Company Ltd.

- Wireless Department: Worked on M2000, Air Bridge, BSC 6680 (Operation and Maintenance), BTS 3606E, BTS DBS 3900 (Operation and Maintenance), Microwave RTN 620 Huawei, NEC and Pronet Equipment and Network Operation Centre (NOC).
- Transmission Department: Worked on SDH Metro 5000 and Metro 3000 for Junction Network in Optical Fiber Long Distance, DWDM STM 64, ONU (Metro 1000 and MSAG Metro 1500) and DXX (Digital Cross Connect).
- Switching Department: Monitoring, MSAG, MSAN, ONU Alarms.

Jan 2011 – Nov 2011

Discipline Engineer, Karachi Electric.

- Worked in Power Generation Department.

Language Skills

English

- Good skills, both written and spoken.

Norwegian

- Intermediate understanding both written and oral.

References

Prof. Dr. Saud Hashmi

Chairman,

Department of Polymer and Petrochemical Engineering
NED University of Engineering and Technology Karachi;
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Bjarte Hoff

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