

Shahnewaz Siddiquee

Current Position

Position Doctoral Researcher
Institution Energy Engineering , University College Cork

Education

2020–2023 **Ph.D. (Energy Engineering)**, University College Cork, Ireland.
2016–2018 **Master of Science (Electrical Engineering)**, GPA 4.00/4.30, Kyungpook National University, South Korea.
2010–2014 **Bachelor of Engineering (Electrical Engineering)**, GPA 3.88/4.00, International Islamic University Chittagong, Bangladesh.

Work experience

2014–2016 **Assistant Engineer**, E-tec Limited, Bangladesh (A subsidiary of Berthold Technologies, work with technical team to develop and implement maintenance processes for client industries..

Research experience

2018–2019 **Research Assistant**, Power System and Smart Energy Network Lab , KNU,
1. Grid Impact Analysis of EV integration for ADB member countries (Vietnam, China, Bangladesh, Fiji, India) 2. Neural Network and K-Means Based Ensemble Algorithm for Short time Building Demand Forecasting .

Internships

2013 Engineering Intern , BSRM Iron and Steels Co. Ltd , Bangladesh
2013 Industry Intern , Technical Institute for Chemical Industries (TICI), Bangladesh

Summer School / workshop

2020 Participated- "Time Series Analysis - with a focus on Modelling and Forecasting in Energy Systems " Summer School Program at Technical University of Denmark
2019 Presented, "Modeling and Optimization of HVAC System with Deep Neural Networks", Joint Workshop on Smart Cities and Smart Grid, University of Tokyo

Technical Skills

Languages Python, MATLAB

Data science R

Numerical computing Matlab

Platforms Windows

Machine Learning Tensor flow , Sci-kit

Database MySQL

Simulation Matlab Simulink , PSS/E

Report generation LaTeX, Microsoft word

Teaching experience

Winter 2020 **Graduate Teaching Assistant**, Module on Energies and Buildings ; Data Analytics in Energy System,School of Engineering, UCC.

Fall 2018 **Graduate Teaching Assistant**, Module on Advanced Smart Grid Technology, School of Electronics Engineering,Kyungpook National University, South Korea.

Scholarship and Awards

2018-2020 **KNU International Scholarships (KINGS)**, *Kyungpook National University*, Tuition waived (USD 12,000) for a period of 2 years.

2018-2020 **National Research Foundation (NRF)**, *Kyungpook National University*, Monthly Stipend (USD 8,487) per annum.

2018-2020 **Brain Korea (BK21)**, *Kyungpook National University*, Monthly Stipend (USD 12,000) per annum.

Languages

English Fluent

Reference

Available Upon Request.