

Aiman

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Career Objective: *To reinforce and share my knowledge in an innovative healthy working environment for pursuing a challenging career.*

Academic Qualification:

- Masters of Engineering (Electrical Power Systems) [2018-2020]
NED University of Engineering & Technology with 4.0 CGPA (1st Position)
- Bachelor of Engineering (Electrical) [2013-2016]
NED University of Engineering & Technology with 3.952 CGPA (2nd Position)
- Intermediate (Pre-Engineering) [2010-2012]
BAMM P.E.C.H.S Govt. College for Women with 88.36% (7th Position)
- Matriculation (Science) [2008-2010]
Hayat-ul-Islam Public School with 89.88% marks

Summary of Professional Skills:

Technical Skills	
MATLAB	Verilog HDL
ETAP (System Simulation / Analysis)	LabVIEW
Microsoft Office, LaTeX	Arduino & Virtronics
MULTISIM / OrCAD PSpice	PSS®E
C Language, Python	AutoCAD (Basic)
Soft Skills	
Good Presentation & Communication Skills	Problem Solving Capability
Quick Learner	Good Analytical Skills
Consistent and Punctual	Team Worker and Sedulous Team Leader

Work Experience:

Lecturer at NED University of Engineering & Technology (Electrical Engineering Dept.)
[May, 22 to-date]

Courses Taught: Instrumentations & Measurements (Theory), Circuit Analysis (Labs)

Research Assistant at Dhanani School of Science and Engineering, Habib University
[Sep., 18-May, 22]

- 1) Served as lab in-charge of Circuits & Electronics Lab
- 2) Conducted labs and designed lab experiments for the following courses:
Principles of Feedback Control, Computer Architecture, Electric Network Analysis, Embedded Systems, Digital Logic Design, Power Electronics, Basic Electronics, and Power Generation, Transmission and Distribution

Visiting Faculty at NED University of Engineering & Technology [Fall Semester 2017]
Courses:

- 1) Feedback Control Systems (Theory & Labs)
- 2) Electrical Drives (Labs)

Internee at Pakistan International Airlines - Avionics Department [15th-30th June, 15]

Workshops / Trainings Attended:

- Electronic Prototyping with Arduino [December, 2014]
5-Day Technical Workshop in collaboration with IEEE PES
- PCB Designing & Fabrication [June, 2014]
2-Day Technical Workshop by Electrical Engineering Department NED
- Smart Grid-Pathway to Smart Engineering [August, 2013]
Seminar Organized by IEEE PES with Siemens

Projects/Publications:

- Aiman Najeeb, Junaid Ahmed Memon, "Project-based Learning for Control Education during COVID-19 Pandemic", 13th International Symposium on Advances in Control Education, 24-27th July, 2022 Hamburg Germany
- Contributed to "Effects of Uncoordinated Electric Vehicle Charging on a Distribution Network", 19th IBCAST-2022.

Post-Grad Thesis Work:

- *"Optical Mark and Pattern Recognition using Digital Image Processing and Convolutional Neural Network"*
Development of MATLAB based application file with the following features:
 - Template based optical mark recognition for collection of data like surveys, tests
 - Minutiae matching based thumbprint identification
 - Convolutional neural network based hand-written character recognition, signature verification and facial recognition
- *"OMR Based MCQs Test Grader and Result Compiler Using MATLAB Image Processing Tools"*
Development of an application file with user friendly GUI to read information from scanned images and export results in excel-sheet format [December, 17 - August, 18]
- *Load Flow Algorithm for Three Phase Unbalanced Network*
Application of Thukaram Load Flow Algorithm for Three Phase Four Wire Network, with and without branches and load unbalance, using MATLAB to find out bus voltages, line currents, load currents etc. by including neutral voltages in each iteration of calculation [June – July, 17]

Final Year Project of B.E:

- *"Optimum Distributed Generator (DG) Placement & Sizing w.r.t. Short Circuit MVA Level"*
Based on load flow analysis on ETAP & MATLAB, system modelling, examination of effects of Distributed Generation on power system as PV and PQ, its optimization w.r.t. power losses and short circuit current and revision of system protection.