

Madiha Mazhar (PEC NO.: ELECTRO-8427)

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ACADEMIC QUALIFICATION:

PhD Scholar, Electronic Engineering (In progress)	NED University of Engineering and Technology	CGPA:4.00/4.00
M.Engg. Telecommunications Engineering, Dec 2009	NED University of Engineering and Technology	CGPA: 3.81/4.00
B.E. Electronic Engineering, Dec 2006	NED University of Engineering and Technology	1 st Division with distinction (80.2%)

RESEARCH INTERESTS: Artificial intelligence, Neural networks, Deep learning, Speech and Image recognition, Signal processing

RESEARCH EXPERIENCE:

M.Engg. Dissertation (06 credit hours) in 2009
Supervisor's Name: Dr. Saad Ahmed Qazi
Topic: Hardware implementation of FFT spectrum analyser with tri-step zooming

PROFESSIONAL EXPERIENCE:

Lecturer, Department of Electronic Engineering, NED UET 23rd April 2007 to date

Teaching Assignments:

1. Various undergraduate courses of respective department

Administrative Assignments:

1. Class Advisor, First Year Electronic Engineering (2008)
2. Member, Departmental Outcome Based Education Team (2017 to date)
3. LRCA Certified Lead Quality Auditor, Internal Auditor Team member for NED UET (2017 to date)
4. Faculty In-charge, Sports Section (2007)
5. In-charge NED Photography Society (2016)
6. In-charge Girl's Society (2007)

Trainings and Workshops:

1. Departmental Trainings on Outcome Based Education System
2. Effective Teaching Methodologies by HEC, 2012
3. 2-Day Training on FPGA Programming, Department of Electronic Engineering, 2010
4. PCB Training, Elite Equipment and Suppliers, 2007

Project Activities:

Worked as Idea Owner, Architect and Internal Advisor of several Final Year Projects

- Timeline Management
- Project Management
- Technical Guidance to the team members
- Technical assessment of all the documentation done regarding the project

TOOLS AND SOFTWARES:

<u>Programming Skills</u>	<u>Application Software Skills</u>
<ul style="list-style-type: none"> ● Python (Advanced) ● Linux Shell Programming (Intermediate) ● Matlab (Advanced) ● Verilog, VHDL (Intermediate) ● LabView (Intermediate) ● C++ (Medium) 	<ul style="list-style-type: none"> ● EndNote (Advance) ● LaTeX (Advance) ● Microwind (Intermediate) ● Orcad Layout (Advanced) ● Pspice (Advanced) ● AutoCAD (Beginner) ● ADS (Intermediate) ● Mendeley (Advance) ● MS Word, MS PowerPoint and MS Excel (Advance) ● Canva ● Libre Office

FINAL YEAR PROJECT:

Hands-on experience on ZTE soft switches

Salient Features:

The project was regarding deployment of Mobile Softswitch and Media Gateway in ZTE Networks

INTERSHIPS:

1. Communication Department of Pakistan Television (PTV), 2005
2. ZTE, 2006
 - This Internship was a part of the Final Year Project which involved working on the Softswitch equipment and its configuration