

AYESHA KHAN

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Objective:

I intend to earn myself a challenging career working for progressive organization, contribute efficiently to its growth through developing my professional skills and build a long term career with opportunities for career growth.

Education:

Qualification	Year	Institute	Percentage
ME-ENERGY MANAGEMENT	2016	NEDUET	3.85 CGPA
BE-ELECTRICAL	2013	NEDUET	89%(4-CGPA)
H.S.C	2009	P.E.C.H.S govt. College for women	82%
S.S.C	2007	Shamsi Society Model School	91%

Professional Experience:

- Currently working as **Lecturer** in **NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY** from July, 2016.

Courses taught in BE program:

- Basic Electrical Engineering
- Principles of Electrical Engineering
- Circuit Analysis
- Circuit Theory
- Electrical Drives.

Courses taught in ME/MEM program:

- Electrical Power Distribution System I
- Power Generation Economics

Administrative responsibilities:

- Worked as Class Advisor First Year in the department.
- Worked as Factotum for First Year Examination.
- Worked as Committee Member in the departmental FYP Committee under OBE System.
- Performed duties as Program Committee Member in 2nd International Electrical Engineering Conference (IEEC) held on 19th - 20th May 2017.

- Performed duties as Program Committee Member in 3rd International Electrical Engineering Conference (IEEC) held on 9th - 10th Feb 2018.
- Performed duties as Program Committee Member in 4th International Electrical Engineering Conference (IEEC) held in 2019.
- Performed duties as Program Committee Member in 5th International Electrical Engineering Conference (IEEC) held in 2021.
- Worked as **JUNIOR LECTURER** at **SIR SYED UNIVERSITY OF ENGINEERING AND TECHNOLOGY**, from 6th May, 2015 to June, 2016.
 - Preparing and developing teaching materials
 - Delivering lectures and conducting practical
 - Devising New practical and updating lab workbooks
 - Assessing students' coursework
 - Setting and marking examinations
 - Conducting Final Year Projects (FYPs) as supervisor
- Worked as **DESIGN ENGINEER** at **OSMANI AND COMPANY LTD (ENERGY DEPARTMENT)**, from 29th January, 2014 to 5th may 2015, performing following tasks:
 - Designed MV and LV distribution of sectors of a project according to given specification. Distributed load on transformers and specify feeder pillar details. Made different detailed sheets for transformer and ring distribution.
 - Calculated cable sizes and voltage drops.
 - Calculated small power and lighting load and Made Load calculations sheets for a project.
 - Coordinated in Preparation of tender documents. Listed technical data sheets according to IEC specifications and prepare BOQ.
- Six weeks' internship experience at **SIEMENS PAKISTAN (IC-LMV DEPARTMENT)**
 - Monitored diagrams and instrumentation.
 - Studied the schematic diagrams of different projects in progress there.
 - Studied basic **SWITCH GEARS** of **SIEMENS**, their construction and working.
 - Monitor manufacturing of transformer and alternators in respective departments.
 - Experience professional environment.

Final Year Project:

Topic: Synchro-phasor data transfer as per IEEE standard C37.118.2.2011.

Our basic project was to transmit data as per IEEE standard C37.118.2.2011. Basic aim of project was to transfer data between two computers using Ethernet cable with the help of MATLAB software. We were able to perform following tasks during our project session.

- Studied OSI LAYERS.
- Designed tasks according to IEEE standard.

Developed programs for receiving data from a device serially, for error coding and encapsulation using CRC CCITT, For sending and receiving data through Ethernet cable and making it user friendly

Membership:

- **Registered Engineer-PEC** (Pakistan Engineering Council)
- **Member- IEP** (Institute of Engineers Pakistan)

Conferences and Seminars:

- Attended IEEE International Conference on Power, Energy and Smart Grid (ICPESG-2018) held on 09th – 10th April, 2018 at Mirpur.
- Attended 3rd International Electrical Engineering Conference (IEEC-2018) held on 9th and 10th February, 2018 at IEP Centre Karachi.
- Attended 2nd International Electrical Engineering Conference (IEEC-2017) held on 19th and 20th May, 2017 at IEP Centre Karachi.
- Attended International Conference on Computing, Electrical & Electronic Engineering (ICCEEE 2017) held on 2nd & 3rd August, 2017 at Expo Centre Karachi.
- Attended 30th Multi Topic International Symposium 2015 held at Pearl Continental Karachi

Trainings:

- Attended 5 days Faculty Professional Development Program at SSUET, Karachi.
- Attended training on Estimating Reliability of Electronic and Telecommunication Devices at SSUET, Karachi.
- Attended Effective Teachers Training organized by Quality Enhancement Cell (QEC) at NED University, Karachi.
- Attended training program titled as “Importance of feedback analysis” organized by Quality Enhancement Cell (QEC), at NED University, Karachi.
- Attended training program titled as “Outcome Based Education (OBE)” organized by Electrical Engineering Department, NEDUET

- Attended training program titled as “Responsibilities of Class Advisors” organized by Quality Enhancement Cell (QEC) – NEDUET.
- Attended a detailed training on “Understanding of DCS system including 800 XA, Symphony Plus, PLC based Motor Control Centre, its VFD settings and Distance Protection Panel” conducted by Experts of ABB , held at Control Lab of Electrical Engineering Department during Oct-Nov 2017.
- Attended training on Procurement Practices, organized by Quality Enhancement Cell (QEC) at NED University, Karachi.

Achievement

Got scholarships from **HABIB SULAIMAN FOUNDATION** in all four years on merit basis.

Final Year Projects as Supervisor:

- Identification of de-rated equipment in 220 kV EHT network of K-Electric and improvement plan using ETAP
- Power Quality monitoring of Transmission network of K-Electric using SIGRA.
- Increasing efficiency of distribution system by comparing optimal placement of DG and Capacitor bank using a suitable optimization algorithm.
- Energy optimization study(Electrical) – Impact of retrofitting and PV Technology on Campus Building.

Software:

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|-----------------|--------------|
| • MS-office | • BASIC ETAP |
| • MATLAB | • AUTOCAD |
| • BASIC TURBO C | • PHOTOSHOP |

Soft Skills:

- Time management, team work and decision making are key skills.
- Ambitious and efficient and like to do my tasks with eagerness.

References:

Will be furnished upon request.