

Curriculum Vitae

PERSONAL INFORMATION



Muhammad Arshad

📍 Electrical Engineering department NED University Karachi, 76400, Pakistan

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PEC Reg. No.: ELECT/46955

Sex Male | Date of birth 06/01/192 | Nationality Pakistani

PERSONAL STATEMENT

Enthusiastic about bringing positive societal change using research and technology education, I am keen to forge long term relations with individuals and organizations that promote creativity, innovation and growth. I have a strong and diverse skill set that combines power systems with computer and information technology.

WORK EXPERIENCE

Lecturer

Lecturer at Electrical Engineering department, NED University of Engineering and Technology from July 2016 to date, Taught the following under-graduate theory courses and conducted their laboratory sessions.

- Power System Analysis
- Electrical Machines
- Feedback Control System
- Principle of Electrical Engineering

Lab-Engineer

Lab-Engineer at Electrical Engineering Department, ISRA University Hyderabad where I have conducted laboratory session of following subjects,

- Basic Electrical Engineering
- Basic Electronics
- Electrical Circuit Analysis

Administrative

Lab In-charge, Electrical Machine Lab from September 2016 to date

Research

Post graduate research carried out at the department of Electrical Engineering NED University of Engineering and Technology Karachi between January 2017-December 2017. The research was carried out under the supervision of Dr Muhammad Mohsin Aman in the area of Power System Stability.

Publications

- A hybrid scheme of load shedding using globalized frequency and localized voltage (GFLV) controller.
Published in “International journal of Electrical Power & Energy Systems”

- Islanding detection technique based on rate of change of reactive power (dq/dt). Presented at “The Fifth IET Clean Energy and Technology Conference (CEAT 2018) Kuala Lumpur, Malaysia”.

Supervised projects

- Load Frequency Control of distributed generation connected with grid using PSCAD/EMTDC
- Islanding detection technique for distribution network connected to two mini-hydro generation using PSCAD/EMTDC
- To propose a hybrid technique to maintain the stability of power system using FACT devices on PSCAD/EMTDC.

Undergraduate Project

“Investigation and performance analysis of standalone dual axis solar tracker for optimum power using Arduino”

Affiliation

PEC Member (ELECT/46955), member of IEP

Internships

Four-week internship at Pakistan Steel Mills Karachi in June 2013 experience includes Thermal Power Plant, Power distribution network and Engineering laboratories
 Four-week internship at Jamshoro Power Company in June 2012 experience include operation and working principle of Gas Turbine power station and combine cycle power Plante Kotri Pakistan.

EDUCATION AND TRAINING

M.E

(Electrical Engineering)

In December 2017 from Dept. of Electrical Engineering, NEDUET, CGPA 3.47 (out of 4.0), Specialization in Electrical Power Systems.

BE

(Electrical Engineering)

In February 2015 from Dept. of Electrical Engineering, QUEST, CGPA 3.4 (out of 4.0)

Higher Secondary Certificate

In September 2010 from Bahria Foundation College Mehrabpur.

Secondary School Certificate

In August 2008 from Bahria Foundation College Mehrabpur.

PERSONAL SKILLS

Communication Skills
Languages

Good communication skills gained through my experience as Lecturer and Lab-Engineer.
English
Urdu

LANGUAGE

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	writing
English	Excellent	Excellent	Excellent	Excellent	Excellent
Urdu	Excellent	Excellent	Excellent	Excellent	Excellent

International Exam

Test Name	Overall Band Score
International English Language Testing System (IELTS)	6.5