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### Professional Membership:

- i) Pakistan Engineering Council (PEC) Life Member
- ii) NEDUET Alumni Life Member

### Research Activity:

I have carried out a research work in NEDUET. My Journal research paper entitled "*Efficiency and Harmonic analysis of UPS and its effects on Karachi Grid*", is published in International Journal of IT, Engineering and Applied Sciences Research, (IJEASR), Volume 4, Issue 3, March 2015, ISSN:- 2319-4413.

### Education :

DEGREE	INSTITUTION	YEAR OF PASSING	DIVISION /GRADE/CGPA
Masters of Engineering (Electrical Power System)	NEDUET	2010	CGPA 3.7 out of 4.0
Bachelors of Engineering (Electrical Engineering)	NEDUET	1994	First Division.
High School Certificate (Pre-Engineering group)	SIR SYED Govt. Girls College, Nazimabad, Karachi, Pakistan	1987	A-Grade
Secondary School Certificate (Matric Science Group)	HAPPY DALE Govt. Girls Secondary School, Nazimabad, Karachi, Pakistan	1985	A-One Grade.

### Work Experience:

- **Part Time Teacher** in Electrical Engineering, NEDUET, from Jan'1998 to Nov'1998.
- **Lab Engineer** in **Electronic** Department of NEDUET, from 15<sup>th</sup> Feb'99 to 20<sup>th</sup> April 2000. And **Lab Engineer** in Electrical Department from 21<sup>st</sup> April 2000 to 27 -06-2010.
- **Lecture** in Electrical Department of NEDUET from 28-06-2010 till 31-12-2020.
- **Sr. Lab Engineer** in Electrical Department of NEDUET from 01-01-2021 till date.

I have delivered and conducted different practical /theory to different departments. Some of them are:-

S.No	Course code	Course Title	S.no	Course code	Course Title
1	EE-119	Fundamental of Electrical Engineering	9	EE-312	CT-II
2	CS-205	Logic Design and Switching Theory (LDST)	10	EE-121	Circuit Analysis
3	EE-246	Electrical Machines (EM)	11	EE-123	Basic Electrical Engineering
4	EE-433	Solid State Variable Speed Drives(SSVSD)	12	EE-223	Instrumentation & Measurement
5	EE-444	Electrical Drives (ED)	13	EE-116	Principle Electrical Engineering
6	EE-373	Machine Control System(MCS)	14		Power Electronics
7	EE-472	Linear Control System(LCS)	15.	EE-115	Electrical Technology Fundamental
8	EE-221	Instrumentation	16.	EE- 122	Basic Electricity and Electronics

### **Additional Administrative Duties:-**

- **Area Coordinator ISO** of Electrical Engineering, NED Karachi, from 01-01-2011 to 01-01-2014. Work include :-  
Conducting internal and external audit of department, Maintains KPI's (Key Performance Indicator for Undergraduate and Post-graduate), Prepare and follow-up Annual Academic Tracker System. This Annual Academic Tracker System which later on named as the Academic Tracker System for spring and fall was initially introduce and prepared by my, that was much appreciated, and then implemented to other departments of the NEDUET, as an ISO document. Beside that conduct orientation training to the newly appointed staff and faculty, Preparation of Training Effectiveness Evaluation report etc.
- **Secretary BOS (Board of Studies)** Electrical Department, from 01-01-2011 to 01-01-2014.
- **Lab Incharge** of Control and Instrumentation Lab, Electrical department. Beside conducting lab/practical to students, job also includes proper record keeping of Stock Registers with the maintenance of appliance and apparatus during 1999 to 2010.
- **Member of Orientation Committee**, Electrical department, to give orientation to the First Year New Comers on occasion of Orientation Day on 30-12-2010.
- Performed duties on **HELP DESK** Electrical department, to provide guide lines to new comers and their parents on occasion of OPEN DAY.
- **Member of Self Assessment Report SAR** (Assessment Team), NEDUET, Karachi) in Year 2013.
- Working experience as **Member Energy Conservation Committee** in NEDUET , Karachi in the year 2013 to implement techniques for conservation of energy in department of Electrical Engineering.
- Worked as an **Admission Committee Member** on Admission Cell Help Desk, NEDUET, Karachi for Consecutive two years (in 2006 and in 2007)
- **Care-taker** and lady teacher for NED Girls Pakistan Excursion Tour (Northern Areas) in 2007.

- Served as **Judge** in All Pakistan Inter University Bilingual Declamation Contest 2008, held on 26-04-2008, organized by Controller of Students Affairs, NED University of Engineering and Technology, Karachi.
- Serve as **Examiner** and **Invigilator** in examinations held under NEDUET.
- Member of **FYP Evaluation Committee**.
- Appointed as **Student Counsellor** of SE (EE)Sec-B . Duties include monthly meeting with students to advice/counsel them regarding academic/carrier matters and provide assistance in managing their health, financial, stress, emotional and spiritual problems.

### **Computer Skills:**

Mat lab & Simulink, Multisim, Electronic Bench.

Operating System: Windows NT/Windows 95/98/2000/XP, Professional Application, Windows 7, MS Word, Excel, and Power Point.

### **Extracurricular Activities:**

- Member of NED University of Engineering and Technology Teacher's Association (NETA) as **Departmental Representative** in 1999.
- Member of NED University of Engineering and Technology Teacher's Association (NETA) as **Departmental Representative** in 2003.

### **Interests & Activities:**

Reading Urdu Poetry, Gardening, Photography, Cooking, Fruits and Vegetable Carving, Home Decoration, Fabric & Glass Painting.

### **Awards Received :**

Selected for "President Talent Scholarship Award" from **Government of Pakistan in 1985**.

### **Training/workshop/symposium attended since last few years :-**

1. Visited Bin Qasim Thermal power plant (generation side) on 7th Feb 2012.
2. Presentation given by Deputy Controller of Examination NEDUET, Karachi on "Sensitivity and Importance of Feed Back" dated 24<sup>th</sup> March 2012 @ NED UET.
3. Nominee to attend IEEE Multi topic International Symposium on 14th and 15th March 2012.
4. Attended PDP 2012 (professional development program) at KESC on 24th April 2012.
5. Training of energy conservation at KESC on 6th Dec 2012.
6. Three day training by Industrial Expert:
  - Day 1: Transformer Protection on 15th Feb 2013
  - Day 2: Industrial Safety on 1 March 2013
  - Day 3: SCADA on 19 March 2013.
7. Seminar on Energy Audit Tools and Techniques on 4 April 2013.
8. Participated when EED and KE jointly marked the Earth Day by organizing a seminar on Energy conservation on 22<sup>nd</sup> April 2013. The seminar was followed by tree plantation activity of about 100 plants. The object of the workshop was to create awareness related to energy conservation.

9. International conference Energy and Sustainability on 27 April 2013.
10. Workshop on Energy Conservation on 22 April 2013.
11. Workshop on Optical Engineering and Applied Optics on 8<sup>th</sup> May 2013.
12. IEEP Power Energy Society (PES) inauguration ceremony NEDUET chapter on 9-7-2013.
13. IEEE PES (Power and Energy Society), seminar on SMART GRID by SIEMENS on 28-8-13.
14. One day International Workshop on Fundamental of Intellectual Property(IP), Commercialization of University Research, CLDP, USAID on 23<sup>rd</sup> Sep, 2013.
15. IEEE Fair 2013 Industrial Electrical & Electronics Exhibition of Pakistan on 29-10-13
16. IEEE PES, NEDUET Chapter and Electrical Engineering Department in collaboration with K-Electric held Seminar on “Climate change and Role of students and Professionals” on 17-04-14
17. Training on Energy Conservation at KESC (Gulshan-e-Iqbal) in 2014.
18. Visited to Bin Qasim Power Plant on 22 December 2014, where I got an opportunity to experience an open generator which was brought for maintenance as its windings were short circuited.
19. Lecturer on “Applications of POWER ELECTRONICS (STATCOM) in Smart Grid” by Mr Tariq Masood (Nust-Islamabad), on 10-Feb’ 2015.
20. Attended Video conference on Power System in Pakistan on 26<sup>rd</sup> March 2015, organized by ORIC.
21. Attended training on “e-testing”, training conducted by Naveed -Ur Rehman a faculty member of Mechanical Engineering department of NEDUET, in Electrical Department on 17-9-2015.
22. Attended speech regarding “Unsolicited Proposal in pipeline, National IC and R&D Fund” on 20-11-2015 in Audio visual Conference Hall (Civil department).
23. Attended IEEE technical seminar on “Concept of PID & its automatic application in Industries”, held on 26-11-2015 at Sunset Club, DHA, Karachi.
24. Attended presentation of CINETIC (Centre for Innovation, Entrepreneurship, Technology, Incubation, & commercialization) under ORIC held 18-2-16.
25. Session Chair:- 1<sup>st</sup> International Electrical Engineering Congress 13 & 14<sup>th</sup> May, 2016 at IEP Karachi center jointly organized by IEP and NEDUET.
26. Attended 7<sup>th</sup> International Electrical and Electronic Industrial Fair 2016 on 03-08-2016
27. Orientation program on online library services & digital resources held on 30-01-2017
28. Poster Session Chair:- 2<sup>nd</sup> International Electrical Engineering Congress IEEC-2017, Innovation and Advances in Electrical Engineering at IEP Karachi center jointly organized by IEP and NEDUET on 19<sup>th</sup> & 20<sup>th</sup> May, 2017.
29. Attended ICCEEE-2017 International Conference on computing, Electrical & Electronic Engineering organized by NEDUET & Badar Expo Solution on 2<sup>nd</sup> & 3<sup>rd</sup> August 2017.
30. Two days training on **Protection & Control IED Manager PCM 600**, given by **ABB** manufacturing company on 24-01-2018.
31. Visit to KE Distribution Network Academy on 29-1-2018, training lead by Director KE, DNA Mr. M. Rashid Hussain.
32. Poster Session Chair 3<sup>rd</sup> International Electrical Engineering Congress IEEC-2018 ASPIRE -2018 (**AS**piring **P**athways **I**n **E**lect**R**ical **E**ngineering ) on 9<sup>th</sup> and 10<sup>th</sup> Feb. 2018 held in IEP Karachi Centre.
33. Attended awareness lecture on Full Bright Scholarship for phd 2019, given by Mr. Krishan Lal Khatri and Mr. Hammad Uddin. held on 15-02-18 in AV hall civil dept.
34. Visited **Korangi Power Plant** on 23-02-2018 with BE students..
35. Attended Lecture on “Lecture as a Researcher” given by Mr. Udha Hashim from Malaysia on 01-03-2018.
36. Training from Election Commission of Pakistan as Presiding Officers /Senior Presiding officer/ Assistant Presiding Officers in Federal Urdu University of Arts, Science and Technology on 27-4-2018.

37. Attended Faculty training on " The Power Plant Efficiency on 23-9-2019 by KE manager Mr. Naushad Alam in KE lab EED.

38. Attended Faculty training session (Hands on Training ) on PSSE (Power system Simullater Engineering) software in EED computer lab on 18-10-2019 by Mr. Mujtaba from Dubai.

39. Attended talks arranged by IEEE PES NED chapter by industry professionals on "Controlling The Grid", held in NED Auditorium on 03-05-2018.

Topics:-

i) HVDC Transmission system ( ii) Power system planning (iii) Grid Construction (iv) Turbine Generator Set (v) Energy situation in Pakistan.

40. Two days Training from Election Commission of Pakistan as Presiding Officers / Assistant Presiding Officers in Psychology dept. University of Karachi on 6<sup>th</sup> and 7<sup>th</sup> July 2018 (I was appointed as Assistant Presiding Officer in General Election 2018, held on 25<sup>th</sup> July).

41. Visited to Korangi Power Complex on 2-8-2018.

42. OBE Training delivered to SE(EE) section-B on 10-8-18.

43. Attended lecture on "Solar Panel Energy System" on 2-10-2018 in Computer Lab EED.

44. Attended lecture on "An Insight to Power Generation" organized by IET on campus @ CIS lecture hall on 29-11-2018.

45. Attended 4<sup>th</sup> International Electrical Engineering Conference. This conference was Jointly organized by IEP & NED on 25<sup>th</sup> and 26<sup>th</sup> January 2019 in IEP Centre, opposite Regent Plaza, Karachi.

46. Attended Lecture on "Electrical safety" by KE, organized by EED on 30-4-2019 in AV Civil hall.

47. Participated in event Carbon Free NED for Save the planet & Protect the future on 31-1-2020.

48. Attended two days 5<sup>th</sup> International Electrical Engineering Conference IEEC-2020 (ASPIRE 2020) on 21-2-2020 & 22-2-2020 @ IEP Karachi center & NEDUET

49. QEC (online Training Program Management of online classes (operation + security) by Dr. Khurram masood on 5-10-2020

50. QEC (online Training Program on 'ONLINE Evaluation & assessment of Students" by Dr. Muhammad Wasif (depty Director QEC on 02-12-20.

51. Attended ceremony of Centre of Advance Studies in Renewable Energy" (ASSURE centre) On 26-2-2021.

52. Attended 36<sup>th</sup> IEEEEP , All Pakistan Student Chapter seminar 2021 on 30-3-2021 in AVHall.

53. Attended IEEC 2021 6<sup>th</sup> International Electrical Engineering conference (ASPIRE-2021). Aspire Path way in Electrical Engineering held on 8-4-2021.