

Prof. Syed Lehazullah Kakakhel



Born February 7th, 1946
Muslim/Pakistani/Married
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ACADEMIC QUALIFICATIONS

Masters in Elect.Engg Power Engineering	UET Peshawar	NWFP University of Engineering and Technology, Peshawar- Pakistan
Bachelor in Electrical Engineering (First Division)	Engineering College,	University of Peshawar,
F.Sc. (First Division)	Edward College Peshawar,	BISE, Peshawar ,
Matric(First Division) 1st Division	G.H.S. Tangi,	University of Peshawar

a) PROFESSIONAL EXPERIENCE

a) Engineering Field Experience

- 1 - **Deputy Director (Stores), Office of the Chief Engineer/Chairman, Area Electricity Board, WAPDA Hyderabad (1980 – 1983)**
 - i. To evaluate annual requirements of materials for construction and repairs for the entire Sindh Province
 - ii. To follow the design specifications and arrange for tender documents and allocate the same for different divisions in Sindh as per their requirements
 - iii. Electrical estimations, valuations and its specifications for Electrical

overhead and under-ground system (2 Years)

2- Executive Engineer Electricity WAPDA (1974 – 1980) Larkana Sind

- i. To design and construct new 11 KV and low voltage lines for villages, Industries, Agricultural Tubewells, Commercial and Domestic Installations.
- ii. To manage a labour force of 1200 skilled and unskilled personals
- iii. To prepare annual budget, look after revenue collections and billings arrange stores and manage logistics for the entire division
- iv. Electrical estimations, valuations and its specifications for Electrical over head and under-ground system (5 Years)
- v. Design of 132 KV Grid Station and its estimation and construction

3- Executive Engineer Construction Electricity WAPDA (1973-1974)

Sukkar. Responsibilities

- i. To design and construct new 11KV and low voltage lines for Village electrification
- ii. To manage a labour force of 800 personals
- iii. To prepare annual budget, arrange stores and manage logistics for the entire division
- iv. Electrical estimations, valuations and its specifications for Electrical overhead and under-ground system (1 Year)
- v. Design of 132 KV Grid Station and its estimation and construction

4- Sub-Divisional Officer WAPDA (1967-1973) Assistant Engineer

Responsibilities as per no. a 2 above

b) Teaching Experience

1. Visiting Faculty, Power Engineering, Deptt.of ElectricalEngineering, AIR University since 01-01-2016 to date
- 2- Worked as Assistant**Professor**, Deptt. of Electrical Engineering, AIR Univ. PAF Complex Islamabad, since Sep. 2010.to 31-12 2015
- 3- Worked as **Prof.** Deptt. of Elect. Engg. HITEC Uni. Taxila Cantt.(2008-2010).
- 4- Worked as **Head of Deptt.** Electrical Engg. HITEC Univ.(Heavy Industries Taxila Education City) Taxila Cantt Islamabad Pakistan(1st. May 2008 to Oct.2008)
- 5- Worked as **Professor** in **Iqra Univ. Peshawar** from 1-4-2007 to 30-4-2008
- 6- Worked as **Professor** in **CECOS Univ. Peshawar** from 9/2006 to 3/2007
- 7Professor**, Department of Electrical and Electronics Engineering, NWFP University of Engineering and Technology, Peshawar.(1999-2006)
- 8- **Associate Professor**, Department of Electrical and Electronics Engineering, NWFP University of Engineering & Technology, Peshawar (1989 – 1999)
- 9- **Assistant Professor**, Department of Electrical and Electronics Engineering, NWFP University of Engineering & Technology, Peshawar (1983 – 1989)

c) Core courses taught in b above:

- i. **Power Generation**
- ii. **Power Transmission**
- iii. **Power Distribution**

- iv. Power Utilization
- v. Power System Analysis
- vi. High Voltage Engineering
- vii. Electrical Machines
- viii Advanced Electrical Measurements
- ix. Network Analysis
- x. circuit Analysis

d) Publications

Papers/Articles published.	Journal	Co-Authors
i- Estimate Transformer Tap Position	Vol:7 1988, Journal of Engg. & Applied Sciences, NWFP UET, Peshawar	Dr. Fazle Qayum A.Q. Qureshi
ii- Pakistan on Brink of - Energy Bankruptcy .	Published in Daily Muslim Islamabad July 23, 1987	
iii- Analysis of Auto Voltage Regulations for synchronous Machines under Cap. Loads	Vol:8 1989 as per I above	Prof. Zahir Khan
iv- Analysis of armature reaction in Multipolar D.C. Generators	Vol.71988, Journal of Engg & Applied Sciences NWFP UET Pesh	None
v- Energy Conservation, & Drainage of 1200 MW in Pakistan	Vol:5 1985 Journal of University of Peshawar	Prof Haider Zaman
(Read in the Seminar on Energy Conservation University of Peshawar 1985)		
vi- Transfer of Technology to the 3 rd world Countries	As Above	None
vii Techno Economic aspects based On Experiments of different Micro-Hydro Electric Schemes	Vol:9 1990 Journal of Engg. & Applied Science, NWFP UET, Peshawar	AQ Qureshi

e)- Research Supervision

Supervised Project Thesis leading to the Degree in Electrical Engineering to students regarding

- i. New Electrification (103 Nos.)
- ii. Renovation & Augmentation of different towns and cities in entire NWFP and Northern Punjab (112 Nos.)
- iii. Energy conservation and load management in Industries in NWFP and Northern Punjab (56 Nos.)

f)- ACHIEVEMENTS

- I Appreciation letter issued by Minister for Irrigation & Power, Government of Sindh for extra ordinary services regarding Village Electrification in Upper

Sindh (1974).

- li Commendation Certificate issued by Chairman WAPDA regarding extra ordinary services and performing duties beyond call during floods in 1976.
- lii Appreciation letter issued by WAPDA for extra ordinary services regarding Village Electrification in Upper Sindh (1974).
- lv Helped and raised the Deptt. Of Electrical Engineering in HITEC Univ. Taxila Cantt. as its first HoD.

g)- MEMBERSHIP

- i Member Pakistan Engineering Council
- ii Remained member Board of Studies, NWFP University of Engineering & Technology Peshawar
- lii Member Pakistan Standards Institution Karachi.
- iv Remained Member Syndicate from 1983 to 1991 of Univ. of Engineering and Technology Peshawar.
- v Member Institute of Electrical and Electronic Engineers, Pakistan.
- vi Remained President EUTA, UET, Peshawar

h)- INDUSTRIAL CONSULTANCIES

- i **Power Adviser to Bannu Woolen Mills Bannu, Re-designed the entire electrical System in accordance with ANC – 1996.in 2001. The system now has the following benefits**
 - Zero % energy losses
 - 90 % reduction in operational maintenance costs
 - System installed so accessible for any redressed of problem.
 - Highly robust and life long.
 - Efficiency of the mills has landed in 100%.
- li **Designed as per above specification 13 Floor Mills in Peshawar, which has a cost of grinding of 100 kg bag of floor for Rs. 23/- only as compared to Rs.45/- in all such mills in the entire Pakistan.**
- lii **Re-designed the entire External and Internal Electrification of NWFP UET, Peshawar**
- iv **Re-designed the entire Electrification, size of Generators in respect of Governor House, Peshawar.**
- v **Designed external electrification systems for 12 residential colonies in KhyberPukhtunKhwa.**

References:-

	Name	Adress	Contact no	e-mail
1	Prof.Abdul Mutalib	NWFP UET Peshawar	0092 333 9148351	amk@nwfpuet.edu.pk
2	Dr Fida Mohammed	AIR Univ. Islamabad	00923348910933	fida@mail.au.edu.pk