Name	Dr. Muhammad Mehdi	
Designation	Assistant Professor	
Department	Electrical Engineering	
Faculty	FICT	
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Qualification

Year	Degree/Certificate	Name of the Institute/University	Field of study
2021	Ph.D.	Sungkyunkwan University, South-Korea	Electronic and Electrical Engineering
2013	M.Sc.	University of Engineering and Technology, Lahore, Pakistan	Electrical Engineering
2008	BS	Balochistan University of Information Technology, Engineering, and Management Sciences, Quetta, Pakistan	Electronic Engineering

Publication in HEC Recognized Journals

S.No	Title of Paper	Name of Journal	National/International	Publication date
1	Robust Centralized Control for DC Islanded Microgrid Considering Communication Network Delay	IEEE Access	International	2020
2	Robust Control of a DC Microgrid Under Parametric Uncertainty and Disturbances	Elsevier, Electric Power Systems Research	International	2020
3	Output-feedback Based Robust Controller for Uncertain DC Islanded Microgrid	Sage, Transaction of the Institute of Measurement and Control	International	2019
4	A High-Speed Fault Detection, Identification, and Isolation Method for a Last Mile Radial LVDC Distribution Network	MDPI, Energies	International	2018

5	Protection scheme of a last mile active LVDC distribution network with reclosing option	MDPI, Energies	International	2018
6	Frequency Profile Improvement of a Microgrid under Abnormal Conditions via a Demand Response Program	Journal of the Korean Institute of Illuminating and Electrical Installation Engineers	International	2017
7	Protection Coordination Using Superconducting Fault Current Limiters in Microgrids	Journal of the Korean Institute of Illuminating and Electrical Installation Engineers	International	2017
8	Short-circuit fault protection of a low voltage dc distribution system using superimposed current components	Journal of the Korean Institute of Illuminating and Electrical Installation Engineers	International	2017

Paper Presented

S.No	Title of Paper	Name of Conference	National/International	Date
1	Development of protective method based on superposition principle along with fault current limiter in low voltage DC distribution system	International Conference on Power Systems Transients, Seoul	International	2017
2	A Study on Protective Coordination for Low Voltage DC Last Mile Distribution System	International Conference on Power Systems Transients, Seoul	International	2017
3	Load Flow Analysis for DER integrated AC/DC Distribution System affected by Converter and DC line Outages	International Conference on Power Systems Transients, Seoul	International	2017

Books Authored/ Edited

S.No	Name of book	Publisher	ISBN
	N.A		

Work Experience

S.No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	2020	Date	Balochistan University of Information Technology, Engineering, and Management Sciences, Quetta, Pakistan	Assistant Professor

2	2016	2020	Sungkyunkwan University, South-Korea	PhD Candidate
3	2014	2016	Balochistan University of Information Technology, Engineering, and Management Sciences, Quetta, Pakistan	Assistant Professor
4	2011	2014	National Transmission and Despatch Company Limited, Pakistan	Assistant Manager

Area of specialization	Power system transmission planning, electrical energy demand forecasting, power system stability and control, DC power systems, renewable energy systems
Expertise	• Electrical power load flow, short circuit, and stability analysis by using Semen's PSSE software • Control system design for power system, renewable energy • Smart control of power system
HEC Approved supervisor	No
If yes, provide HEC URL	
Research grants/ Projects	
Additional Information	

- ▪ HEC Pakistan: HRDI scholarship award for Ph.D.
- ▪ PEC member
- ▪ IEEEP member