

Contact Information:

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Address:

Present:
House 288, Street 4C, Ghauri Town
VIP, Islamabad

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Housing Colony#02, Layyah

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ELECT/58099

H-Index:
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- Strengths:
- Team Leader
 - Adaptability
 - Problem Solving
 - Self-Motivation
 - Time Management

- Languages:
- Urdu (Native)
 - English (Advanced)
 - Chinese (Elementary)

MUBASHIR RASOOL

Skilled Ph.D. professional with over five years of combined experience in the industrial and educational sectors. Seeking a challenging role to leverage my expertise in contributing to cutting-edge developments and driving organizational success.



Education:

Air University, Islamabad 2025	● Ph.D. Electrical Engineering Obtained CGPA (3.5/4)
Institute of Southern Punjab Multan 2018	● M.S. Electrical (Power) Engineering Obtained CGPA (3.2/4)
The Islamia University Bahawalpur 2016	● B.Sc. Electrical (Power) Engineering Obtained CGPA (3.46/4)

Experience:

Air University, Islamabad March 2025-Present	● Lab Engineer Electrical Vehicles Lab
Bahria University, Islamabad Feb 2025-March 2025	● Lab Engineer Signals and Systems Lab
Enabling Solutions (SMC-PVT) July 2024-October 2024	● NOC Manager Network Operations Center
Air University, Islamabad March 2022-February 2024	● Graduate Research Assistant HEC funded NRPU Project

Certifications &

Courses:

Programmable Logic Controller (PLC):

Institution: Burraq Engineering Solutions, Lahore

Duration: 2 Weeks

AutoCAD and Switchgear Design:

Institution: Burraq Engineering Solutions, Lahore

Duration: 2 Weeks

Chinese Language Course:

Institution: Punjab Board of Technical Education, Lahore

Duration: 4 Months

Software Skills:

- MATLAB
- HOMER
- PVsyst
- SketchUp
- EDRAW
- Microsoft Office (Word, PowerPoint, Excel)

References:

Reference will be furnished upon demand.

Air University, Islamabad
March 2021-July 2021

Lab Engineer
Electrical Machines Lab

NCBA&E Layyah Campus
September 2017 – March 2018

Lecturer
Electrical Engineering

Layyah Sugar Mills
July 2017-June 2018

Internee Engineer
Bagasse Power Plant

Research and Publications:

Journal Publications:

1. **M. Rasool**, M. A. Khan, “ Metaheuristic Adaptive Frequency Separation Energy Management Approach for Fuel Cell Hybrid Electric Vehicle Performance Optimization”, Automotive Innovation **(Accepted in Automotive Innovation, IF: 5.0)**
2. **Rasool, Mubashir**, et al. "Comprehensive techno-economic analysis of a standalone renewable energy system for simultaneous electrical load management and hydrogen generation for Fuel Cell Electric Vehicles." *Energy Reports* 11 (2024): 6255-6274. **(IF: 5.1)**
3. **Rasool, Mubashir**, Muhammad Adil Khan, and Runmin Zou. "A comprehensive analysis of online and offline energy management approaches for optimal performance of fuel cell hybrid electric vehicles." *Energies* 16.8 (2023): 3325. **(IF: 3.2)**

Conference Publications:

1. **M. Rasool**, M. A. Khan, S. Tahir, S. A. Khan, T. Bin Saeed, and E. Shahid, "Integration of Floating Solar PV (FSPV) with Proposed Hydroelectric Project: Technical Analysis of Taunsa Barrage for FSPV in South Punjab, Pakistan," in *Proceedings - 2020 23rd IEEE International Multi-Topic Conference, INMIC 2020*, Nov. 2020, pp. 1–6, doi: 10.1109/INMIC50486.2020.9318082.
2. **M. Rasool**, M. A. Khan and S. Tahir, "Optimal On-Grid Hybrid AC/DC Microgrid for a Small Village in Muzaffargarh District, Pakistan," *2021 International Conference on Emerging Power Technologies (ICEPT)*, 2021, pp. 1-8, doi: 10.1109/ICEPT51706.2021.9435501.
3. S. Tahir, M. A. Khan, **M. Rasool** and N. Naseer, "An Optimized Off-grid Renewable Micro-Grid Design and Feasibility Analysis for Remote Industries of Gadoon Swabi (Pakistan)," *2021 International Conference on Artificial Intelligence and Mechatronics Systems (AIMS)*, 2021, pp. 1-6, doi: 10.1109/AIMS52415.2021.9466023.