

## Faculty Resume

<b>Name</b>	Hafsa Wahid		
<b>Personal</b>	Department: Electrical Date of Appointment: 12-05-2022 Designation: Lecturer Email Address: <a href="mailto:hafsaw@neduet.edu.pk">hafsaw@neduet.edu.pk</a> , <a href="mailto:hafsaw@cloud.neduet.edu.pk">hafsaw@cloud.neduet.edu.pk</a> Contact No: 0331-2312625		
<b>Experience</b>	<b>Designation</b>	<b>Institute</b>	<b>No. of Years</b>
	Lecturer	Sir Syed University of Engineering & Technology	2 years 8 months
	Jr. Instructor	Aligarh Institute of Technology	3 years 2 months
	Visiting	NED University of Engineering & Technology	6 months
<b>Honor and Awards</b>	<ul style="list-style-type: none"> <li>• Awarded certificate for Oral Presentation in 6th International Multi-Topic ICT Conference 2021.</li> <li>• Awarded Shield of Honor for Supervising Final Year Project.</li> <li>• Awarded Shield in DAE Project Exhibition 2019 held in Aligarh Institute of Technology as an Advisor.</li> <li>• Awarded 0.5 CPD points for conducting a Workshop on “LMS of SSUET Cisco NetAcad online learning portal”</li> <li>• Awarded 0.5 CPD points for conducting a Training on “Role of SDGs in Implementing Sustainable Development Goals”</li> </ul>		
<b>Memberships</b>	PEC (Pakistan Engineering Council), IEP		
<b>Service Activity</b>	<ul style="list-style-type: none"> <li>• Member of OBE team</li> <li>• Worked as a member of DCQIC team.</li> <li>• Worked as a QEC Liasion Officer/QEC coordinator of ELED SSUET.</li> <li>• Worked as a member in PEC team in SSUET for 2 years.</li> </ul>		

<b>Brief Statement of Research Interest</b>	Interested in Research topics related to: <ul style="list-style-type: none"> <li>• Energy forecasting</li> <li>• Energy management</li> <li>• Power system Protection</li> <li>• Generation, Transmission and Distribution of Electrical power system</li> <li>• Electrical power system design and modelling</li> <li>• Distributed generation</li> <li>• Reactive power management</li> <li>• Renewable Energies</li> </ul>
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<b>Publications</b>	List publications in standard bibliographic format with earliest date first. <ul style="list-style-type: none"> <li>• “Development of CNC based automated soldering machine” in 7<sup>th</sup> International Electrical Engineering Conference 2022.</li> <li>• “Discrete-time controller for transient and steady-state response improvement of DC-DC boost converter” in in 6th International Multi-Topic ICT Conference 2021.</li> <li>• “Reactive power management by varying frequency of capacitor in renewable energy systems” in 4<sup>th</sup> International Electrical Engineering conference (IEEC-2019) January 2019, Karachi, Pakistan</li> </ul>
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<b>Other Research or Creative Accomplishments</b>	A member of Research Cluster (RC-10) Power and Energy Systems. Currently working on a research paper titled “Optimal long-term power sector planning of Pakistan through base and alternate scenarios”.
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