



## Sajad Ali

**Nationality:** Pakistani | **Phone number:** (+92) 03113958155 (Mobile) | **Email address:**

[sajad.siba@gmail.com](mailto:sajad.siba@gmail.com) | **LinkedIn:** <https://www.linkedin.com/in/sajadali7/> |

**Skype:** <https://join.skype.com/invite/v2YvYzgZcl2n> | **WeChat:** Sajad\_siba

### ABOUT ME

As a postgraduate in electrical engineering, I am passionate about pursuing a career in power systems and eager to leverage my knowledge and skills to contribute meaningfully to the field while achieving professional growth. A strong focus on practical coursework, hands-on laboratory work, and real-world projects marked my undergraduate experience. These have equipped me with a solid foundation in electrical principles and theories. Proficient in technical skills such as power system analysis, MV/HV network design, and energy engineering, I am well-equipped to address advanced challenges in the field of power systems

### WORK EXPERIENCE

 **SUKKUR IBA UNIVERSITY – SUKKUR**

**TEACHING ASSISTANT – 15/01/2025 – CURRENT**

 **NETS INTERNATIONAL – SUKKUR, PAKISTAN**

**NETWORKS ENGINEER – 02/01/2023 – 01/01/2025**

#### **Power Management:**

1. Managing power distribution and efficiency within electronic devices and systems to optimize performance and reduce energy consumption. Managing installed PV systems and their maintenance.

#### **Quality Assurance and Compliance:**

1. Ensuring that electrical and electronic systems meet regulatory and safety standards, as well as compliance with industry-specific certifications.

#### **Collaboration:**

1. Collaborating with software engineers, network administrators, and other professionals to ensure seamless integration of hardware and software components. Technical Support:
2. Providing technical support to internal teams and customers by troubleshooting and resolving hardware-related issues.

#### **Continuous Learning:**

1. Engaging in ongoing professional development to keep up with the rapidly evolving field of ICT and electrical engineering

 **SUKKUR ELECTRIC POWER SUPPLY COMPANY**

**TRAINEE ELECTRICAL ENGINEER – 01/12/2022 – 31/12/2022**

Worked with the protection and inspection team of SEPCO where I assisted them in activities such as monitoring of data and annual maintenance.

Such as:

1. Assisted with the maintenance and repair of equipment on the grid. Including inspecting and testing equipment e.g. relays, transformers and circuit breakers identifying and troubleshooting problems, and making repairs as needed.

2. Participating in the planning and design of new grid infrastructure, including transmission lines, substations, and other components.
3. Monitoring and analyzing data from the grid to identify trends and potential issues, and developing strategies to address any problems.

## ● EDUCATION AND TRAINING

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03/08/2018 – 03/10/2022 Sukkur, Pakistan

**BE ELECTRICAL ENGINEERING (POWER) SUKKUR IBA UNIVERSITY**

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**Address** Sukkur IBA University. Nisar Ahmed Siddiqui Road, 65200, Sukkur, Pakistan | **Website** [www.iba-suk.edu.pk](http://www.iba-suk.edu.pk) |

**Thesis** Optimization of Parameters for Biogas Production from Food Waste

**INTRODUCTION TO POWER ELECTRONICS** University of Colorado Boulder-Coursera

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**Website** <https://coursera.org/share/cd5d6f6a85304e8ea4b72c415d2b7537>

25/08/2015 – 25/08/2017 Khairpur, Sindh, Pakistan

**INTERMEDIATE** Board of Intermediate and Secondary Education Sukkur

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**Address** Mazher Model Higher Secondary School Rani Pur, Service Road, , 66100, Khairpur, Sindh, Pakistan

08/04/2013 – 08/04/2015 Sukkur,, Pakistan

**MATRICULATION** BISE SUKKUR

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**Address** Shikarpur Road, Makha Goth, 65210, Sukkur,, Pakistan

## ● PUBLICATIONS

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2025

[\*\*Torque Ripple Minimization of IPM Spoke Type Motor\*\*](#)

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S. Ali, K. Kumar, F. S. Alromithy, M. R. Altimania, Q. Ali and H. M. Munir, "Torque Ripple Minimization of IPM Spoke Type Motor," 2025 19th Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2025, pp. 1-5

**Authors:** S. Ali, K. Kumar, F. S. Alromithy, M. R. Altimania, Q. Ali and H. M. Munir, | **Journal Name:** 2025 19th Conference on Electrical Machines, Drives and Power Systems (ELMA) | **Volume, Issue and Pages:** 2025, pp. 1-5 | **Publisher:** IEEE

**Link** <https://ieeexplore.ieee.org/document/11083385>

## ● CONFERENCES AND SEMINARS

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21/11/2022 – 21/11/2022 Nisar Ahmed Siddiqui Road Sukkur Sindh, Pakistan

**IEEE SCONEST 22**

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12/06/2022 – 13/06/2022 Nisar Ahmed Siddiqui Road Sukkur Sindh, Pakistan

**IEEE Region 10 Robotics Computation**

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30/01/2019 – 31/01/2019 Nisar Ahmed Siddiqui Road Sukkur Sindh, Pakistan

**2nd iCoMET 2019**

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## ● PROJECTS

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26/01/2022 – 09/02/2022

**Reactor Placement in IEEE 9 -Bus Mesh Distribution System and Analyzing Different Parameters on PSSE**

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**PLC Based Motor Speed Monitoring System**

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**Variable Power Supply (220AC to 0/12V DC)**

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## ● HONOURS AND AWARDS

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21/11/2022

**Winner of IEEE SCONEST 22 for abstract "Optimization of Biogas Production from Food Waste" – IEEE and Sukkur IBA University**

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15/10/2021

**Winer of PCB design competition – Mehran University of Engineering and Technology Jamshoro**

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15/08/2017

**Achieved Sindh Talent Hunt Scholarship to complete Bachlors at Sukkur IBA University – Sukkur IBA University**

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## ● LANGUAGE SKILLS

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Mother tongue(s): **SINDHI | BALOCHI | URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B1	B1	C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● SKILLS

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Microsoft Office | Microsoft Word | Microsoft Powerpoint | Microsoft Excel | Zoom | Power Point | Google Docs | Social Media | Internet user | Organizational and planning skills

## ● VOLUNTEERING

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Sukkur IBA University

**Organized 'Say No to Drugs' campaign**

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Sukkur

**Volunteered in Organizing of Blood donation camp for Thalassemia patients**

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## ● ONLINE COURSES

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**Understanding Research Methods**

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Write here the description...

Link <https://coursera.org/verify/JNLCYHJVXT8L>

**Work Smarter, Not Harder: Time Management for Personal & Professional Productivity**

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Link <https://coursera.org/verify/A5VWW6E4URZ7>

**An Introduction to Programming the Internet of Things (IOT)**

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Link <https://coursera.org/verify/specialization/F76YS8HFZRST>

**Programming for Everybody (Getting Started with Python)**

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Link <https://coursera.org/verify/8ZHSHABFX52P>