Name: Sajjad Ali

Designation: Assistant Professor

Department: Electrical Engineering

Phone No(s): +91-9695128786/+91-8299786329

Email: s.ali128786@gmail.com, ali.s128786@gmail.com

Qualifications: M.Tech

Experience: 13 Years Six month

Area of Interest: Power System, Power System Operation and Control, Fundamental of Electrical Engineering, Electrical Machines, Network Analysis & Synthesis, Renewable Energy, Electric Vehicles

Publication: 03

Book/Book Chapter: 03

Patent: NA

Sponsored Projects: NA

Consultancy: NA

Sajjad Ali

Contact No.:9695128786
E-Mail: *s.ali128786@gmail.com or ali.s128786@gmail.com*
H.No 27-B,Sehmalpur near Utkarsh Tower, Babatpur, Varanasi
U.P. India- 221105

SYNOPSIS
(M.Tech– Power System Engineering + B.Tech– Electrical Engineering)+ 13 Years of Teaching Experience

- A dynamic individual with M.Tech in **Power System Engineering** from **Kamla Nehru Institute of Technology**.
- B.Tech in **Electrical Engineering** from **Veer Bahadur Singh Purvanchal University.**
- Presently working at **Ashoka Institute of Technology and Management** as an **Assistant Professor** in department of Electrical Engineering.
- Member of **First year team** as a **subject matter expert** of **Basic Electrical Engineering** for **last 10 years.**
- Worked as Freelancer **Subject matter expert** of Electrical Engineering at **Chegg.**
- **MATLAB** simulations and various projects on **MATLAB.**
- Member of **Institution's Innovation council** at Ashoka Varanasi**.**
- **Coordinator** of **ASHOKA center for Innovation, Incubation, and startup cell**.
- Seasoned professional with planning, execution, monitoring and resource balancing skills and ability to handle multiple functions and activities in high pressure environments with tight deadlines.

DOMAIN KNOWLEDGE

Academics, Accreditation (NBA), Registry and examination, academic planning, internal and external examination monitoring.

ABOUT MY M.Tech.

My research domain is to study Power Quality problem of a Power System Network (IEEE 14 bus) and their mitigation using FACTS devices like UPQC and D-STATCOM. The rationale behind choosing this study is due to my own interest in the Power System Analysis. The study tries to unfold various dimensions of Power System network Analysis viz Flexible AC Transmission Systems (FACTS) controllers could be a suitable alternative to provide real and reactive power support at the load centers locally and hence keep the voltages within their safe operating limits. Due to high costs of FACTS devices, their proper location in the system must be ascertained. The fundamental object of this thesis work is to improve the power quality by reducing the real and reactive power loss in the system. The power loss profile in the system is being reduced by using the FACTS device Unified Power quality conditioner (UPQC) along with distributed Static compensator (D-STATCOM).

ACADEMIC ACHIEVEMENTS

- I have completed my B.Tech in Electrical Engineering without any carryover paper.
- I have secured distinction in Maths in Secondary School Examination.
- I have been awarded as Very Special Teacher by Ashoka Institute of Technology and Management, Varanasi in year 2019.

ACADEMIA

- **Modular Master of Technology** in **Power System Engineering** from Kamla Nehru Institute of Technology in **2019** with aggregate **72%**.
- **Bachelor of Technology** in **Electrical Engineering** from Veer Bahadur Singh Purvanchal University in **2009** with aggregate **67%**.
- **Intermediate (Science)** from CBSE Board in **2004** with aggregate **64%**.
- **High School** from CBSE Board in **2002** with aggregate **63%**.

SUBJECTS TAUGHT

Basic Electrical Engineering, Network Analysis and Synthesis, Power Systems Analysis, Power System, Electrical Machines-I and II, Power System Operation and control, Signal and System, Control System.

FACULTY DEVELOPMENT PROGRAMMES (FDPs)

- AICTE Training and learning Online FDP on **Internet of Things (Iot)** from 01-12-2021 to 5-12-2020 at Geetanjali College of Engineering and Technology
  .
- Workshop on **Data Science with Python** by Ashoka Institute of technology & Management, Varanasi, U.P. on 04 Sep 2020
- Faculty Development Program certificate on "**Application of Artificial Intelligence Techniques"** by Department of Computer Science & Engineering, Ashoka Institute of technology & Management, Varanasi, U.P. from 13 July to 17 July 2020.
- Faculty Development program certificate for **''Outcome Based education in Technical ducation''** by Ashoka Institute of technology & Management, Varanasi, U.P from 01-05 July, 2019.
- Faculty Development program certificate for ''**Modern Optimization Techniques for Engineering and scientific Applications**'' by Department of Mechanical Engineering, Ashoka Institute of technology & Management, Varanasi, U.P from June 25-29, 2018.
- Faculty Development program certificate for **Auto CAD and Auto CAD Electrical** organized by CADD Training Center Varanasi from 5-8 July 2017.
- Faculty Development program certificate for **Embedded System** organized by CADD Training Center Varanasi from 12-15 July 2017.
- Petroleum Conservation Research Association Certificate on 17 Sep 2017.

TRAINING AND WORKSHOPS

- Certificate of course completion of **"Office 365 Teacher Academy"** by Microsoft Educator Center on November 18, 2020.
- Short term training program by **NITTTR, Kolkata on MATLAB & its application in the field of Engineering** from 17-21 Jan, 2017.
- National conference on **Emerging Trends in Science, Technology & Management** from November 11 to November 12, 2017.
- National conference on **Emerging Trends in Science, Technology & Management** from November 2 to November 3, 2018.

- Certificate of Participation in knowledge sharing program on **"Perspective of Modern teaching techniques and uses of Case studies through Experimental learning"** by Department of Business Administration, Ashoka Institute of technology & Management, Varanasi, U.P. on 9 July 2016.

- Long Term Training program at **Hindalco Industries Ltd. Renukoot, Sonebhadra, U.P. from** July 11, 2008 to August 09, 2008.

NATIONAL & INTERNATIONAL CONFERENCES/ SEMINAR

- Presented paper entitled **"Enhancement of Power Quality in distributed system using D-STATCOM',** on 2-3 November 2018 **Ashoka Institute of Technology and Management.**

- Certificate of Participation in **"SAMBHAV"** e-National level of Awareness Programmed by Ministry of promoting Entrepreneurship from October-November 2021

- Certificate of Participation in **"Effective Time Management "in** online seminar by **Dr. Manu K Vora** onJune 1, 2021

WEBINARS

- Attended webinar on **"Battery Energy Balancing of Multilevel Inverter fed PV Generation System",** organised by by Department of Electrical Engineering, Vaagdevi Engineering College, Warangal, Telangana on June 9, 2020.

- Attended webinar on **"Prospects and Application of Power Electronics to Present Technology",** organised by by Department of Electrical Engineering, Vaagdevi Engineering College, Warangal, Telangana on June 10, 2020

- Attended National Webinar on "**Effective Role of Teacher in Enhancing Standard of Technical Education"**, organised by Department of Electrical and Electronics Engineering, Geetanjali Institute of Science and Technology in association with Institution of Engineers on July 6, 2020.

CAREER CONTOUR

- Presently working at **Ashoka Institute of Technology and Management**, Varanasi as an **Assistant Professor in department of Electrical Engineering** from **1st August 2013** to **till date**.

- Previously worked at **Banaras Institute of Polytechnic and Engineering** as a **lecturer in department of Electrical Engineering** from **July 2011 to June 2013**.

- Previously worked at **Chegg.com** as **Subject matter expert of Electrical Engineering** as a freelancer from 2020-2021.

- Previously worked as **Subject teacher of Physics** at **Sankalp tutorial Varanasi** from April 2010 to June 2011.

PROJECTS & INTERNSHIPS

- M.Tech thesis titled "**Incorporation of UPQC and DSTATCOM in Power System Network for Power Quality Improvement**". The fundamental object of this thesis work is to improve the power quality by reducing the real and reactive power loss in the system.

- B.Tech. Project in final year titled "**Automatic Braking Of Train According To Railway Barrier"**. The model is used to study the effect of integrating sensors and tranceducers to avoid accidents at open railway crossings.

- Guided Project on **Comparison of Power Quality Problem study on IEEE 9 and IEEE 14 bus System** and their **mitigation using SVC** using **MATLAB and Mat power**.

- Guided Project on **Optimal load flow Analysis of IEEE 9 bus System** using **MATLAB and Matpower**.
- Guided Project on **Simulation of Symmetrical & Unsymmetrical Fault Study** using **MATLAB.**
- Guided Project on **Enhancement of Power Quality in distributed system** using **D-STATCOM on MATLAB simulink.**
- Guided Project on **Design of EHV Line** using MATLAB**.**
- Guided Project on **Speed Control of Dc Machine Using Fuzzy Logic Controller** using MATLAB**.**
- Guided Project on **Advanced Fuzzy MPPT Controller For Stands Alone Photo Voltaic Cell.**

SKILL FORTE

IT SKILLS	KEY SKILLS	INTERESTS/ HOBBY
▪ **Software: -** MS Office (MS-Excel, MS-Word, and MS-PowerPoint) ▪ **Operating System**: - Windows XP, Windows 7, Windows 8, Windows 10	▪ Team worker ▪ Courteous and polite ▪ Patient listener ▪ Ethical ▪ Analytical thinking ▪ Project Management	▪ Listening Music. ▪ Cooking for family ▪ Reading ▪ Watching movies

PERSONAL DOSSIER

Date of Birth	**:**	04-10-1986
Marital Status	**:**	Married
Nationality	**:**	Indian
Known Languages	**:**	English, Hindi & Urdu (Read & Write)
Father	**:**	Late Mr. Naimullah
Mother	**:**	Mrs. Najma Begum
Address for Correspondence	**:**	House No: -27-B, Sehmalpur, Near Utkarsh Tower Babatpur, Varanasi Uttar Pradesh India 221105

REFERENCES

Dr. R.P. Payasi	**Dr. B. Singh**
Professor **Kamla Nehru Institute of Technology** **Mob: +91-9839835741** **Email: payasirp@ieee.org**	**Associate Professor** **Kamla Nehru Institute of Technology Sultanpur** **Mob: +91-9696469731** **Email: bindeshwar.singh2025@gmail.com** **bindeshwar.singh@knit.ac.in**

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

SAJJAD ALI

Place: Varanasi **Date:** January 10, 2024