

# Saqib Yousuf

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## Personal Profile

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I'm currently serving as an lecturer in the Department of Electrical Engineering at the Institute of Technology, Zakura Campus. My role involves teaching and mentoring students while also conducting research in the field of Electrical Power and Energy Systems. Additionally, I provide project assistance and utilize my expertise in MATLAB, Simulink, LaTeX, Visio, and other relevant tools to enhance the learning experience for students and contribute to the advancement of knowledge in my field.

## Education

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### National Institute of Technology Srinagar

Srinagar, India

Masters in Technology (M.Tech.)

Sept 2020 - 2022

- Graduated with Distinction
- Specialised in Electrical Power and Energy Systems
- **Publications:** Article in Energies journal, book chapter in Springer
- **Courses:** MATLAB, SIMULINK, Artificial Intelligence, Python

### University of Kashmir

Srinagar, India

B.Tech. in Electrical Engineering

Sep 2014 - Aug 2018

- Graduated with Distinction
- Industrial visit to BSES Rajdhani

## Work Experience

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### University of Kashmir

Jammu and Kashmir, India

Lecturer

Current

### Islamic Institute of Science and Technology

Jammu and Kashmir, India

Lecturer

May 2024 - June 2024

### Rawafid Engineering Pvt Ltd

Jeddah, Saudi Arabia

Design Engineer

April 2019 - August 2019

- I have worked as an electrical design engineer on different projects like changing the technology from 3G to 4G in mobile networks and installing backup generators for different utilities.

## Projects

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### Mitigation of frequency oscillations in Power System

Srinagar, India

National Institute of Technology, Srinagar

June 2021 - July 2022

- Effect of various control strategies to reduce the frequency oscillations in compensated power system.

### PID controller in Power Systems

Srinagar, India

University of Kashmir

Feb 2018 - Aug 2018

- Studied the effect of various PID controllers on a power system.

### Junior Engineer

Delhi, India

Bombay Suburban Electric Supply (BSES)

Jan 2018 - Feb 2018

- I received training as a junior engineer and worked on real-time projects, maintenance, and public dealing.

## Skills

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**Software** LaTeX, MS Word, MS PowerPoint, MS Excel, Simulink, Python, MATLAB, Microsoft Visio.

**Soft Skills** Time management, teamwork, problem-solving, documentation, leadership, engaging presentations.

## Achievements

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2023	<b>Journal publications,</b> Energies	
2020	<b>Qualified,</b> Graduate Aptitude Test in Engineering (GATE)	<i>India</i>
2014	<b>Qualified,</b> All India Engineering Entrance Examination (AIEEE)	<i>India</i>
2011	<b>Winner,</b> District Rugby tournament, Inter university cricket tournament. Cross country run (NIT Srinagar)	<i>India</i>

# Publications

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## JOURNAL ARTICLES

Enhanced Control Designs to Abate Frequency Oscillations in Compensated Power System  
Saqib Yousuf, Viqar Yousuf, Neeraj Gupta, Talal Alharbi, Omar Alrumayh  
*Energies* 2308 (Mar. 2023). 2023

## BOOK CHAPTER

Introduction to Renewable Energy Prediction Methods  
Saqib Yousuf, Junaid Hussain Lanker, Insha, Zarka Mirza, Neeraj Gupta, Ravi Bhushan, Anuradha Tomar  
*Springer*, 2023

# Languages

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**English** Professional proficiency  
**Urdu** Intermediate proficiency  
**Kashmiri** Native proficiency