Dr. JAVEED BASHIR

Assistant Professor, Department of Electrical Engineering
Islamic University of Science and Technology Kashmir Awantipora, Pulwama, J&K
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Career Objective:

- To make my career with a professional and forward-looking organization where I can use my skills and abilities for my career as well as the organization.

Teaching and Research Experience:

- Total 10 plus years of teaching at various academic institutes in India.
  - Presently Working as Assistant Professor in the Department of Electrical Engineering, Islamic University of Science and Technology, Awantipora, Pulwama, J & K, since 7th April 2018 to till date.
  - Worked as contractual lecturer in the Department of Electrical Engineering, NIT Srinagar, from November 2010 to July 2012 and August 2014 to April2015.
  - Worked as Junior Engineer and Assistant Engineer in JKPDD from April 2015 to April 2018.
  - Presented a guest lecture on "Applications of Neural Networks" in CMR Institute of Technology Bangalore.

Educational/Professional Qualification:

- Ph.D. in Electrical Engineering, from **IIT Roorkee**, Uttrakhand, India in July 2026.
- M. Tech. in Power System Engineering from **IIT Roorkee**, in 2014 with CGPA of 9.152/10.
- B. Tech in Electrical Engineering from **NIT Srinagar** in 2010 with CPI of 8.813/10.

(RESEARCH PUBLICATIONS)

1. **J. Bashir,** M. S. Alam and P. Jena, "A Robust Differential Energy-Based Fault Detection Method for Renewable-Dominated Distribution Networks," in ***IEEE Journal of Emerging and Selected Topics in Industrial Electronics (Q1, Impact Factor: 4.9)*****,** doi: 10.1109/JESTIE.2026.3702647.
2. **J. Bashir** and P. Jena, "Enhanced Islanding Detection Scheme in Distributed Generation Using Phase Angle Analysis of Negative Sequence Superimposed Components," ***IEEE Transactions on Industrial Electronics (Q1, Impact Factor: 7.2)*****,** Dec 2025, doi: 10.1109/TIE.2025.3561833.
3. **J. Bashir** and P. Jena, "Advanced Islanding Detection Scheme Based on Zero Sequence Phase Angle for AC Microgrids," ***IEEE Transactions on Industry Applications (Q1, Impact Factor: 4.5),*** vol. 61, no. 4, pp. 5797–5807, July–Aug. 2025, doi: 10.1109/TIA.2025.3549016.
4. **J. Bashir** and P. Jena, "A Novel Islanding Detection Method in a Distributed Generation Using Change in Phase Angle Difference Between Positive Sequence Current and Voltage," *Transactions of the Indian National Academy of Engineering,* vol. 8, issue 1, pp. 1–11, March 2023.

5. **J. Bashir** and P. Jena, "Positive Sequence Superimposed based Islanding Detection Method used in Distributed Generation," *Distributed Generation & Alternative Energy Journal*, vol. 8, issue 02, pp. 367–392, Jan 2023.

CONFERENCE [10]

1. **J. Bashir**, M. S. Alam and P. Jena, "Advanced Optimal Coordination Strategy for Overcurrent Relays in Smart AC Distribution Networks," *2026 IEEE 6th International Conference on Sustainable Energy and Future Electric Transportation (SEFET)*, Nagpur, India, 2026, pp. 1-6, doi: 10.1109/SEFET69291.2026.11687006.
2. **J. Bashir**, M. S. Alam and P. Jena, "THD Based High Impedance Fault Detection in Active Distribution Networks," *2025 International Conference on Power Electronics and Energy (ICPEE)*, Bhubaneswar, India, 2025, pp. 1-5, doi: 10.1109/ICPEE65973.2025.11411075.
3. M. S. Alam, **J. Bashir** and P. Jena, "Enhanced Protection Scheme for Coupling Capacitor in Wireless EV Charging Station Under Short Circuit Conditions," *2025 International Conference on Power Electronics and Energy (ICPEE)*, Bhubaneswar, India, 2025, pp. 1-5, doi: 10.1109/ICPEE65973.2025.11411383.
4. **J. Bashir,** M. S. Alam and P. Jena, "Differential Component Based Fault Detection Method for Smart Distribution Network," *2025 IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation (SEFET)*, Jaipur, India, 2025, pp. 1-5, doi: 10.1109/SEFET65155.2025.11255151.
5. M. S. Alam, **J. Bashir** and P. Jena, "Islanding Detection in EVCS-Integrated AC Microgrid Environment with Distributed Energy Resources," *2025 IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation (SEFET)*, Jaipur, India, 2025, pp. 1-6, doi: 10.1109/SEFET65155.2025.11255381.
6. M. S. Alam, **J. Bashir**, M. U. Kanth and P. Jena, "An Effective Fault Detection Technique for Grid-Connected Electric Vehicle Charging Station," 2024 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), Mangalore, India, 2024, pp. 1-5, doi: 10.1109/PEDES61459.2024.10961823.
7. M. S. Alam, B. Chauhan, **J. Bashir**, A. A. Sondoule, H. Saini and P. Jena, "Upstream Fault Detection Technique in Grid-Connected EVCS Using Negative Sequence Components," 2024 IEEE 11th Power India International Conference (PIICON), JAIPUR, India, 2024, pp. 1-6, doi: 10.1109/PIICON63519.2024.10995185.
8. M. U. Kanth, **J. Bashir**, A. A. Sondoule, M. S. Alam, H. Saini and P. Jena, "A Cross-Correlation Aided TEO Technique for Fault Detection and Classification for Hybrid AC/DC Microgrid," 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad, India, 2024, pp. 1-5, doi: 10.1109/SEFET61574.2024.10718006.
9. **J. Bashir**, M. U. Kanth, M. S. Aalam and P. Jena, " An Innovative Islanding Detection Scheme in a Distributed Generation using Phase Angle between Zero Sequence Superimposed components of current and voltage.," 3rd international conference on Power Electronics, Smart Grid and Renewable Energy (PESGRE-2023), 17th to 20th December 2023, Kerela India.
10. **J. Bashir**, M. U. Kanth, M. S. Aalam and P. Jena, " An Innovative Islanding Detection Scheme in a Distributed Generation using Phase Angle between Zero Sequence Superimposed components of current and voltage.," 2023 IEEE 3rd International Conference on Smart Technologies for Power, Energy and Control (STPEC), (10th to

13th December 2023) School of Electrical Engineering KIIT Deemed to be University, Bhubaneswar, India.

11. **J. Bashir**, M. U. Kanth, M. S. Aalam and P. Jena, " An innovative islanding detection scheme in distributed generation using rate of change of the ratio of negative and positive sequence superimposed voltage components," IEEE 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA-2023), 27th to 29th October-2023 Roorkee India.
12. S. Ahmad, A. S. Anees and **J. Bashir**, "Design and Development of a High Gain DC-DC Converter Suitable for Renewable Energy Application," 2023 International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, 2023, pp. 1-6, doi: 10.1109/PIECON56912.2023.10085871.
13. **J. Bashir**, P. Jena, and A. K. Pradhan, "Islanding detection of a distributed generation system using angle between negative sequence voltage and current," 2014 Eighteenth National Power Systems Conference (NPSC), Guwahati, India, 2014, pp. 1-5, doi: 10.1109/NPSC.2014.7103855.

PROJECTS [02]

- **Co-Principal Investigator** of the project: "Design & Development of apple sorter & grader based on color & size.", JKSTIC, DST, J&K, INR 3,00,000 for Two Year (Ongoing).

- **Co-Principal Investigator** of the project: "Design and implementation of reduced switch count multi-level inverter for unified power flow controller solar intermittency and power quality", JKSTIC, DST, J&K, INR 2,74,000 for Two Year (completed).

BOOK CHAPTER [01]

Javeed Bashir, Salman Ahmad, A. S. Anees, "*Unified Power Quality Conditioner (UPQC) Based on Multilevel Configurations*" in Multilevel Converters, Scrivener Publishing Wiley, 2024, pp. 233-255.

(SDP/CONFERENCE / WORKSHOP / PRESENTATION)

Attended/Participated

- Attended short term Course on "Modelling and Simulation of Large-Scale Systems", organized by Department of Electrical Engineering, NIT Srinagar and Department of Electrical Engineering, IUST Awantipora during 13th April – 17th April2015.
- Attended short term Course on "FPGA Programming in Power and Control Application", organized by Department of Electrical Engineering, IUST Awantipora during 10th–14th September 2018.
- Attended short term Course on "Research Trends in Information Technology (RTIT-2018)", organized by Department of Computer Science and Department of Computer Science Engineering, IUST Awantipora from 25th to 29th September 2018.
- Attended IEEE workshop on "Recent Innovations in predictive control", organized by Department of Electrical Engineering, IIT Bombay from 25th to 29th November 2018.
- Attended two-day workshop on "Scientific and Technical Documentation using LaTeX", organized by Department of Electrical Engineering, NIT Srinagar during 8th to 9th June

2019.

- Completed four MOOCS from SWAYAM portal from September 2020 to April 2021.
- Completed one month Faculty Induction Programme organized by UGC-HRDC Jamia Milia Islamia, New Delhi from 16-11-2020 to 15-12-2020.
- Attended two-day workshop on "Computational Methods in Electrical Engineering", organized by Department of Electrical Engineering, IUST Awantipora during March 31-April 1, 2021.
- Organized a series of online webinars from the month of October to December and in coming months in the department of Electrical Engineering, IUST Awantipora.

UG/PG Projects:

- A new control scheme for regulating the voltage of an SMPS done in B. Tech.
- A new technique in Islanding Detection in Smart Grid environment done in M. Tech.

Achievement:

- **Qualified GATE** with gate score of 602 and AIR 886.
- **Qualified GATE** with gate score of 545 and AIR 1623.

Professional Membership:

- Member IEEE, since 2019.

Subjects Undertaken:

- Switch Gear and Protection.
- Advanced Power Systems.
- Power System Analysis.
- Basic Electrical Engineering.
- Electrical Machines.
- Flexible AC Transmission Systems (FACTS).
- Control Systems.
- Power Electronics.
- Electricity in Daily Use

Computer Skills:

Languages	C, C++.
Operating systems	Windows XP/98/2000…2011.
Packages	MS Office, **MATLAB/OPELRT, Power world and Mi Power, PS CAD/RSCAD/RTDS, OPEL-RT.**

Personal Vitae:

- Name: Dr. Javeed Bashir
- Father's Name: Mr. Bashir Ahmad Sheikh
- Sex: Male
- Marital status: Married
- Languages known: English, Urdu, Hindi

Declaration: I hereby declare that above information is true according to my knowledge.

Date: 22/09/2026
Place: Awantipora

Dr. Javeed Bashir