

**Dr. Ahmed Sharique Anees**

Assistant Professor, Department of Electrical Engineering

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**Career Objective:**

To use my skills, abilities and experience effectively and efficiently there by to promote a positive atmosphere and higher quality education among students and to have acquisition for learning and developing new skills.

**Professional Experience**

- Presently Working as Assistant Professor in the Department of Electrical Engineering, Islamic University of Science and Technology, Awantipora, Pulwama, J & K, since 26<sup>th</sup> March 2018 to till date.
- Worked as Assistant Professor in the Department of Electrical and Electronics Engineering, Galgotias College of Engineering and Technology, Greater Noida, since 15<sup>th</sup> March 2011 to 25 March 2018.
- Worked as Assistant Professor in the Department of Electrical and Electronics Engineering, G. L. Bajaj Institute of Technology and Management Greater Noida from 28<sup>th</sup> July 2009 to 14<sup>th</sup> March 2011.

**Educational/Professional Qualification:**

- Ph.D. in Electrical Engineering at Department of Electrical Engineering, Jamia Millia Islamia, New Delhi in 2017.
- M. Tech. in Electrical Power System Management from Jamia Millia Islamia, New Delhi in 2009 with CGPI of 9.39/10.
- B.Tech. in Electrical Engineering from Jamia Millia Islamia, New Delhi in 2007 with CPI of 6.94/10.

**National Competitive Exams Qualified**

- Qualified GATE with 98.17 percentile in 2009. with AIR 383
- Qualified GATE with 87.75 percentile in 2007. with AIR 2059
- Qualified GATE with 82.6 percentile in 2006.
- JMI Engineering Entrance 2003 and JMI PhD Entrance 2011

### **Awards & Honours**

- Best paper presentation prize in conference organized by JMI 2015
- Merit-Cum Means Fellowship by MHRD, Govt. of India during 2007–2009

### **Research Grants & Projects (Industrial and Academics)**

- **Principal Investigator**, “Development of green technology based hybrid space heating for Kashmir valley”. JKSTIC, DST, J&K, letter vide no. JKST&IC/SRE/439-443 dated 30<sup>th</sup> November 2021, INR 4.99 Lakhs for Two Year.(Ongoing)
- Co-Principal Investigator, “Design and implementation of reduced switch count multi level inverter for unified power flow controller solar intermittency and power quality”. JKSTIC, DST, J&K, letter vide no. JKST&IC/SRE/J/352-356 dated 30<sup>th</sup> November 2021 INR 2.74 Lakhs for Two Year.(Ongoing)
- **Principal Investigator**, “Development of weather station at IUST for assessing the utilization of renewable energy for space heating, cooling and other sustainable applications”. SEED grant under TEQIP-III, at IUST Awantipora. INR 2 Lakhs for One Year. (Completed) during 2019-2020
- Integration of renewable energy sources and grid management, at JMI, New Delhi during Ph.D. Thesis.
- An intelligent approach for fault identification on a transmission system, at JMI, New Delhi during M. Tech
- Iterative fault location scheme for a transmission line using synchronized phasor measurement. at JMI, New Delhi during M. Tech
- D.C. motor speed control using PI controller. at JMI, New Delhi during B. Tech

### **Seminars/Workshops Organised**

- Organized a one week Short Term Course (STC) as Co-Coordinator on “*FPGA programming in Power and Control applications*”, in collaboration with Cranes Software International limited at Islamic University of Science and Technology, Awantipora, J&K from 10-14 September 2018.
- Organized a one day National Seminar on “Future of Electric Power Sector: Issues and Challenges”, at Galgotias College of Engineering and Technology, 16 March 2013.

### **Ph.D. Guidance**

1. Co-Supervisor of one student from NIT Srinagar.

## Research Publications

### International Peer Reviewed Journal [05]

1. Salman Ahmad, Rahim Uddin, Zahoor Ahmad Ganie, **Ahmed Sharique Anees**, Farhad Ilahi Bakhsh “Low frequency operation and dsPIC micro-controller implementation for multilevel quasi Z source inverter in photovoltaic application”, *Distributed Generation & Alternative Energy Journal*, Taylor & Francis, (Accepted). SCOPUS.
2. V Verma, P Sengar, MD Equbal, **Ahmed Sharique Anees**, MM Nezami, “IOT Based Evaporation Cooler Using MIT Application”, *Design Engineering*, **Volume 2021: Issue 08**, pp 7044-7053. 2021 (SCOPUS).
3. Majid Jamil, **Ahmed Sharique Anees**, “Optimal Sizing and location of SPV based MLDG in distribution system for loss reduction, voltage profile improvement with economical benefits”, *Elsevier International Journal of Energy*, Vol. 103, March 2016, pp 231-239, **with impact factor of 5.13**
4. Naqui Anwer, Anwar S. Siddiqui, **Ahmed Sharique Anees**, “A Lossless Switching Technique for Smart Grid Applications”, *Elsevier International Journal of Electrical Power and Energy Systems*, Vol. 49, January 2013, pp 213-220. **with impact factor of 2.5873**
5. Majid Jamil, **Ahmed Sharique Anees**, and M. Rizwan, “SPV based Water Pumping System for an Academic Institution”, *American Journal of Electrical Power and Energy Systems*, 2012; 1(1) : 1-8,ISSN:2326-912X (Print),ISSN:2326-9200 (Online)

### Book Chapter [01]

1. **Ahmed Sharique Anees**, Salman Ahmad, Z.A Ganie, “Space Heating for Kashmir Valley: Issues, Challenges and Remedies”, *Renewable power and sustainable growth*, Springer Nature, Singapore, 2021. Electronic ISBN: 978-981-334-080-0.

### International Peer Reviewed Conference [05]

1. **Ahmed Sharique Anees**, Salman Ahmad, Z.A Ganie, “Space Heating for Kashmir Valley: Issues, Challenges and Remedies”, *International Conference on Renewable Energy*, *Baba Ghulam Shah Badshah University*, July 13-14, 2020, Rajouri, J&K(**Springer**)
2. **Ahmed Sharique Anees**, Majid Jamil, and M. Rizwan “Fault Location Scheme on a Three Phase Transmission Line using Synchronized Phasor Measurement”, *India international conference on power electronics*, *Delhi Technological University*, December 6-8, 2012, New Delhi. (**IEEE Xplore**).
3. **Ahmed Sharique Anees**, “Grid Integration of renewable energy sources: Challenges, Issues and possible solutions”, *5<sup>th</sup>India international conference on power electronics*, *Delhi Technological University*, December 6-8, 2012, New Delhi.(**IEEE Xplore**).

4. Majid Jamil, **Ahmed Sharique Anees**, Mona Subramanian, Naqui Anwer, “Reduction of Power Fluctuation in Grid Connected SPV Plant through Aggregate Distributed Generation PIICON2014”, *6th IEEE Power India International Conference, Delhi Technological University, New Delhi, India, December 05-07, 2014 (IEEE Xplore)*.
5. Abrar Ahmad, **Ahmed Sharique Anees**, Majid Jamil, A.S. Siddiqui, “Techno–Economic Analysis of Standalone Solar Fed AC Vs DC System” *In International Conference on Energy Security, Global Warming and sustainable climate (solarsis 2012)*, organized by IIT Delhi, during February 7-9,2012

#### **National Conference [05]**

1. **Ahmed Sharique Anees**, Majid Jamil, " Economical Analysis of Solar photovoltaic based distributed generation for 33 bus primary distribution system", *In National Conference on Emerging Trends in Electrical And Electronics Engineering (ETEEE-2015)*, 2-3 February 2015 at Jamia Millia Islamia, New Delhi
2. Sheeraz Kirmani, **Ahmed Sharique Anees**, “Challenges and solution of the distributed generation insertion in distribution systems”, *IEEE sponsored National Conference on Energy, Power and Intelligent Control Systems, Galgotias College of Engineering & Technology, Greater Noida, India, March 28-29, 2014.*
3. Majid Jamil, **Ahmed Sharique Anees**, Mona Subramanian, “Distributed Generation: An efficient method for power fluctuation reduction in SPV plant connected to grid.”, *IEEE sponsored National Conference on Energy, Power and Intelligent Control Systems, Galgotias College of Engineering & Technology, Greater Noida, India, March 28-29, 2014.*
4. Abrar Ahmad, Anwar S. Siddiqui, **Ahmed Sharique Anees**, “ Energy Issues and renewable energy Quotient of India”, *National Conference on Recent Developments in control automation and power engineering*, 21-22 February 2013,
5. Majid Jamil, **Ahmed Sharique Anees**, “Synchronized Phasor Measurement Approach for Fault Location on a Three Phase Transmission Line” *National Conference on power, Instrumentation, Energy and Control (PICON)*, at AMU Aligarh During 12-13 Feb2011

#### **SDP/FDP/STC/Conference / Workshop / Presentation**

##### Attended/Participated

- **FDP-** Successfully completed 12 weeks NPTEL-AICTE Faculty Development Programme on “Electric Vehicles and Renewable Energy”, Conducted by **Indian Institute Technology Madras** by Prof. Ashok Jhunjunwala,(with **Silver Badge**), July-October, 2021

- **FDP-** Successfully completed 12 weeks NPTEL-AICTE Faculty Development Programme on “Design of Photovoltaic System” Conducted by **Indian Institute of Sciences Bangalore** by Prof. L. Umanand, Sep-Dec, 2020
- **FIP-** One month faculty induction programme November 16, 2020- December 15, 2020 Sponsored by UGC and conducted by **UGC-HRDC, JMI, New Delhi**
- Attended one week Short Term Course (STC) on “4<sup>th</sup> Generation Hardware in Loop Simulation Tool for industry 4.0 using TYPHOON HIL”, organized by IEEE student branch NIT Srinagar, J&K during 14-18 October 2020
- Attended one week Short Term Course (STC) on “FPGA programming in Power and Control applications”, in collaboration with Cranes Software International limited at Islamic University of Science and Technology, Awantipora, J&K during 10-14 September 2018
- Quality Improvement Programme, “Embedded system design for Power Converters”, at Indian Institute of Science, Bangalore (Iisc Bangalore) during Aug 6- Aug 10, 2018.
- Attended One Week GIAN Course on “Role of Smart Building Energy Management Systems in the Development of Smart City”, organized by Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, during 6th March – 10th March 2018.
- Attended Two Week ISTE STTP on Electric Power System organized by IIT Kharagpur at remote center Doronacharya College of engineering, through NMEICT from 10 July to 15 July 2017.
- Attended Two weeks AICTE sponsored SDP on flexible AC transmission system (FACTS) and power system voltage stability, Recent Trends at Delhi Technological University July-11-22, 2011.
- Attended one week short term course on Operation and Management of Emerging Power Systems at IIT Kanpur November 21-25, 2011
- Successfully completed a two weeks AICTE sponsored staff development program on “Recent Advances in Electrical Power & Energy Systems” organized by Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi during December 09-22, 2011.
- Attended a one day workshop on “MATLAB & SIMULINK” held on August 27, 2013 at Galgotias College of Engineering & Technology, Greater Noida conducted by CETPA INFOTECH PVT. LTD.
- Attended a one day workshop titled “Energy Conservation and Renewable Energy” at School of Engineering & Technology, IGNOU, New Delhi on April 22, 2013.
- Attended an expert lecture on March 29, 2012 titled “Smart Grid and Renewable Energy Sources: Solar and Wind Technologies” organized by IEEE Jamia Millia Islamia in association with Department of Electrical Engineering, F/o Engineering & Technology, Jamia Millia Islamia, New Delhi. The lecture was delivered by Prof. Saifur Rahman, Director ARI, Virginia Tech USA.

- Participated in AICTE sponsored two days seminar titled “Applications of Signal Processing in Electrical and Electronics Engineering” on February 24-25, 2012 at ITS Engineering College, Greater Noida.
- Attended a guest lecture on “Smart Grid” at GCET, Gr. Noida on February 13, 2012. The lecture was delivered by Dr. Iqbal Ali, Associate Professor, Electrical Engineering, Jamia Millia Islamia, New Delhi
- Have done 3 days training Programme on MiPower power system analysis software package held at Faculty of Engineering & Technology Jamia Millia Islamia New Delhi.
- Attended One day IEEE workshop on “Recent Advancements in Electrical, Electronics and Instrumentation Engineering” at Galgotia college of Engineering and Technology Greater Noida during May 09, 2011
- Have done 2 days training Programme on photovoltaic installation and maintenance Training held at Galgotia college of Engineering & Technology Greater Noida during 28-29 April 2011.
- Attended Two day National workshop on solar Photovoltaic Components, System and Design at ITS college of Engineering and Technology Greater Noida during March 25-26, 2011
- Have actively participated in a workshop on MATLAB and its applications in engineering held on 25th and 26th April’ 2008 at G.L Bajaj institute of technology and management Greater Noida.
- Have done summer training in “Indraprastha Power Generation Corporation Limited and Pragati Power Corporation Limited” since 1st June to 15th July 2006 in New Delhi.

### **Subjects Undertaken:**

- Switchgear and Protection
- Elements Power System
- Power System Analysis
- Non Conventional Energy Resources (NCER)
- Power Station Practice
- Utilization of Electrical Energy

### **Computer Skills:**

- Languages: C, C++.
- Operating systems: Windows XP/98/2000.
- Packages: MS Office, **MATLAB, ETAP, Power world and Mi Power**

**Personal Vitae:**

- Name: Dr. Ahmed Sharique Anees
- Father's Name: Mr. Anees Ahmed
- Date of birth: 01-05-1986
- Sex: Male
- Marital status: Married
- Languages known: English, Urdu, Hindi

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

Date: 17/12/2021

Place: Awantipora

Dr. Ahmed Sharique Anees