

Curriculum Vitae

**Prof. (Dr.) Anwar Shahzad
Siddiqui**

**Professor,
Department of Electrical Engineering
Faculty of Engineering & Technology,
Jamia Millia Islamia
Jamia Nagar, New Delhi – 110025
INDIA**



Dr. Anwar Shahzad Siddiqui is Professor in the Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia (JMI), and has about 30 years of teaching and research experience in the field of Power systems. He was a faculty member at Department of Electrical Engineering, Z.H. College of Engineering and Technology, AMU, Aligarh before joining Jamia. He also served BITS, Pilani Dubai Campus as Associate Professor, Electrical & Electronics Engineering and officiating Registrar during 2003 – 2008. Dr Siddiqui obtained his B. Tech. (Electrical Engineering) and M. Tech. (Power System & Drives), both from Department of Electrical Engineering, Z.H. College of Engineering and Technology AMU, Aligarh with Honors. He earned his PhD degree from Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia (JMI) in 2001.

Dr. Anwar has done extensive research work in the area of Power System Management and Control, Congestion management in Deregulated Power System, FACTS Devices and Applications of Artificial Intelligence Techniques in the field of Power System. He has published a large number of research papers in International Journals and Conferences of repute. He is also a reviewer of many journals in his field.

CURRENT STATUS

1.	Name	Anwar Shahzad Siddiqui
2.	Designation	Professor
3.	Office Address:	Department of Electrical Engineering Faculty of Engineering & Technology Jamia Millia Islamia New Delhi 110025
4.	Mobile: Telephone :	+91 9990505825, +1204561708 +91 11 26981717/2358 Extn:
5.	Email:	assiddiqui@jmi.ac.in (Primary) anshsi@yahoo.co.in (Secondary)
6.	Field(s) of Specialization:	Power Systems Control and Management

EMPLOYMENT PROFILE

From	To	No of Years	Name of the University	Position Held and Responsibilities
2011	Till Date	14	Jamia Millia Islamia (JMI), New Delhi, India	Professor, Dept. of Electrical Engineering Teaching, Research, Administrative
2008	2011	3	Jamia Millia Islamia (JMI), New Delhi, India	Associate Professor, Dept. of Electrical Engineering Teaching, Research, Administrative
2006	2008	2	BITS – Pilani, Dubai Campus, Knowledge Village, Dubai, UAE (on leave from JMI)	Officiating Registrar, BPDC Associate Professor, Electrical & Electronics Engineering Teaching, Research, Administrative
2004	2006	2	BITS – Pilani, Dubai Campus, Knowledge Village, Dubai, UAE (on leave from JMI)	Officiating Registrar, BPDC Assistant Professor, Electrical & Electronics Engineering Teaching, Research, Administrative
2003	2004	1	BITS – Pilani, Dubai Campus, Knowledge Village, Dubai, UAE (on leave from JMI)	Assistant Professor, Electrical & Electronics Engineering Teaching, Research, Administrative
2000	2003	3	Jamia Millia Islamia (JMI), New Delhi, India	Senior Lecturer, Dept. of Electrical Engineering Teaching, Research
1995	2000	5	Jamia Millia Islamia (JMI), New Delhi, India	Lecturer, Dept. of Electrical Engineering Teaching, Research
1994	1995	1	Aligarh Muslim University Aligarh, UP, India	Lecturer (ADHOC), Dept. of Electrical Engineering Teaching
		31	Teaching : 30 years (14 years as Professor)	

RESEARCH GUIDANCE

PhDs Supervised

Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi

1. **Reactive Power Management In Grid Connected Distributed Generation System**, candidate: **Ms. Mehtab Fatima** Roll No: **P4558067**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, (**Co Supervisor**: Prof. S.K. Sinha, SET, AU, Noida), (Thesis submitted for evaluation).
2. **Designing of Meta-Material Based Reconfigurable Array Antenna for Wireless Communication**, candidate: **Devesh Kumar**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co Supervisors**: Prof. Dr. Hemender Pal Singh, Professor, Amity University Noida; Prof. Dr. Malay Ranjan Tripathy, Professor, Amity University Noida) (**PhD awarded July 2024**).
3. **Demand Side Management in Smart Grid Environment for Optimal Energy Usage**, candidate: **Ward UI Hijaz Paul**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co Supervisor**: Dr. Sheeraz Kirmani, Associate Professor, EED, ZHCOET, AMU Aligarh) (**PhD awarded May 2024**).
4. **Power Quality Issues and Solutions in Power System with High Penetrations of Renewable Energy Sources**, candidate: **Naresh Kumar**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co Supervisor**: Dr. Rajveer Singh, Associate Professor, EED, JMI, New Delhi) (**PhD awarded March 2024**).
5. **Investigation and Analysis of Technical And Economic Feasibility of Microgrid Based Power System**, candidate: **Nawaz Ali Warsi**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co Supervisor**: Dr. Sheeraz Kirmani, Associate Professor, EED, ZHCOET, AMU Aligarh) (**PhD awarded March 2024**).
6. **Application of Intelligent Techniques for Decision Making in Modern Power System Operation** , candidate: **Prashant**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**PhD awarded January 2023**).
7. **Life Cycle Analysis of Single Pass Hybrid PV/T Air Collector**, candidate: **Mr. Sourav Diwania (Roll No: 16PHDEE019, Enrolment No: 16-14942)**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co Supervisor**: Dr Sanjay Agrawal, SET, IGNOU, Delhi) (**PhD awarded October 2020**).
8. **Assessment and Enhancement of reliability in emerging power systems**, candidate: **Mr. Fahad Iqbal**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (*Awarded Maulana Azad National Fellowship of UGC, Government of India*) (**PhD awarded February 2020**).
9. **Transmission Management in Deregulated Power System**, candidate: **Mr. Mohd. Tauseef Khan**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (*Awarded Maulana Azad National Fellowship of UGC, Government of India*) (**PhD awarded February 2018**).
10. **Power Transaction Management in Competitive Electricity Market**, candidate: **Mr. Md. Sarwar**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (Thesis submitted in January 2017, *awarded Maulana Azad National Fellowship of UGC, Government of India*) (**PhD awarded in July 2017**).
11. **Performance Analysis of Networked Control System**, candidate: **Mr. Aziz Ahmad**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**PhD awarded in March 2017**).
12. **Power System Loadability Enhancement by using FACTS controllers**, candidate: **Ms. Manisha Rani**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**PhD awarded in October 2016**).

13. **Challenges and Solutions for Integrating Renewable Energy Sources**, candidate: **Mr. Abrar Ahmad**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**PhD awarded in April 2016**).
14. **FACTS Controllers for Smart Grid Management**, candidate: **Mr. Naqui Anwer**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**PhD awarded in March 2016**).
15. **FACTS Based Congestion Management in Transmission Grids under Deregulated Environment**, candidate: **Mr. Tanmoy Deb**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**PhD awarded in May 2015**).
16. **Electric Power Management using FACTS Controllers**, candidate: **Ms. Rashmi Jain**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi Delhi (**Co-supervisors**: Prof. Majid Jamil, JMI, New Delhi, Dr. D C Gupta, IIT, Roorkee) (**PhD awarded in September 2013**).

Department of Applied Sciences, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi

17. **Analysis and Development of Mathematical Foundation for Fuzzy Logic**, candidate: **Mr. Iftikhar**, Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Supervisor**: Prof. Musheer Ahmad, JMI, New Delhi) (**PhD awarded May 2018**)
18. **On Effectiveness of various models of uncertainty over optimization/classification problems**, candidate: **Ms. Poonam Tariq**, Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisor**: Dr. Musheer Ahmad, JMI, New Delhi) (**PhD awarded in June 2010**).

Amity School of Engineering and Technology, Amity University, Noida

19. **Modelling, Simulation and Optimization of Microgrids with Plug-in Electric Vehicles and Responsive Load**, candidate: **Ms. Anjali Jain**, Amity School of Engineering and Technology, Noida Amity University Uttar Pradesh (**Supervisor**: Prof. Asish Mani, SET, AU, Noida (**PhD awarded September 2022**).
20. **Deregulated Power System Management Using Facts Devices**, candidate: **Ms. Pallavi Choudekar**, Amity School of Engineering and Technology, Noida Amity University Uttar Pradesh (**Supervisor**: Prof. S.K. Sinha, SET, AU, Noida) (**PhD awarded January 2020**).

Department of Electronics and Communication, Faculty of Engineering, Manav Rachna University, Haryana

21. **Intelligent Power Quality Improvement under Deregulated**, candidate: **Ms. Niharika Thakur**, Registration No. **2K16-PFE-016**, Department of Electronics and Communication, Faculty of Engineering, Manav Rachna University, Haryana (**Supervisor**: Prof Yogendra Kumar Awasthi, ECE, MRU, Haryana) (**PhD awarded October 2020**).
22. **Intelligent Models and Algorithms for deregulated electricity market**, candidate: **Ms. Manisha Hooda**, Enrollment number **2K16-PFE-011**, Department of Electronics and Communication, Faculty of Engineering Manav Rachna University, Haryana (**Supervisor**: Prof Yogendra Kumar Awasthi, ECE, MRU, Haryana) (**PhD awarded November 2020**).

Department of Electronics Engineering, J.C. Bose University of Science and Technology, (Formerly YMCA), Haryana

23. **Performance Analysis and Design of Sampled data Networked Control System**, candidate: **Ms. Sachi Mittal**, Department of Electronics Engineering, J.C. Bose University of Science and Technology,

YMCA, Haryana (**Supervisor:** Prof. S. K. Agarwal, Department of Electronics Engineering, YMCA, Haryana) (**PhD awarded September 2020**).

Ongoing PhDs

1. **Hybrid Microgrid with Real-Time demand response for Urban and Institutional settings**, candidate: **Md Faizan Shamsi** Roll No: **P1866021**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, (**Co Supervisor:** Prof. Ikbal Ali), (Registered in February 2025).
2. **Power Management in Dc Microgrid using various Energy Sources**, candidate: **Ms. Salma Tabassum**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, (Registered in March 2024).
3. **Switched Capacitor Multilevel Inverters**, candidate: **Mr. Asim Rahman Ansari**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisor:** Dr. Adil Sarwar, Asstt. Professor, Department of Electrical Engineering, ZHCET, AMU Aligarh), (Registered in July 2021 *under QIP Scheme, Govt. of India*).
4. **Energy Management using Hybrid Renewable Energy Systems**, candidate: **Ms. Archana Aggarwal**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisor:** Dr. Sukumar Mishra, Professor in Electrical Engg. Department, IIT-Delhi), (Registered in October 2019).

Appointed Examiner of PhD Thesis

1. **Title:** *Optimization and Techno-Economic Feasibility Analysis of Solar PV, Wind and Bio-energy Hybrid Standalone Renewable Energy Systems* **Candidate:** Ameer Faisal, **University:** Department of Sustainable Engineering, TERI School of Advanced Studies 10, Institutional Area, Vasant Kunj New Delhi - 110070, India. (**Thesis Evaluation 2025**)
2. **Title:** *Economic Operation for DC connected battery and solar PV plant* **Candidate:** Khan Huma Aftab (Enroll.No.:2001267), **University:** Department of Electronics & Communication Engineering, Faculty of Engineering, Integral University, Lucknow-226026. (**Thesis Evaluation 2024**)
3. **Title:** *Modelling and Control of Multiport Hybrid Power Converters with AC and DC outputs for nanogrid applications* **Candidate:** Md Samiullah, **University:** Department of Electrical Engineering, Aligarh Muslim University, Aligarh (**Thesis Evaluation Examiner 2023**)
4. **Title:** *Optimal Allocation of Distributed Energy Resources in Distribution System* **Candidate:** Pawan Saini, **University:** Department of Electrical Engineering, Rajasthan Technical University, KOTA (**Thesis Evaluation & Oral Defence Examiner 2022**)
5. **Title:** *Exergoeconomic and Enviroeconomic Analysis of Building Integrated Photo-Voltaic Thermal (BIPVT) System*, **Candidate:** Amit Kumar Dash, **University:** Dr. A. P. J. Abdul Kalam Technical University, Uttar Pradesh (**Thesis Evaluation & Viva-Voce Examiner 2022**)
6. **Title:** *Sustainable Model For Electrical Energy Saving Using Integrated Lighting Scheme In Energy Efficient Building*, **Candidate:** Vivek Bihari Shrivastava, **University:** Department of Electrical & Electronics University, ASET, Al-Falah University, Faridabad, Haryana (**Thesis Evaluation & Viva-Voce Examiner 2020**)
7. **Title:** *A study of cross subsidy impact on electricity demand of DISCOMs in India*, **Candidate:** Naveen Agarwal, **University:** TERI School of Advanced Studies, 10, Institutional Area, Vasant Kunj, New Delhi - 110070, India (**Thesis Evaluation 2020**)
8. **Title:** *Design and Development of Advanced Control Algorithm for Grid Connected PV System* **Candidate:** Md. Ibrahim, **University:** Department of Electrical Engineering, Faculty of Engineering, Integral University, Lucknow-226026. (**Thesis Evaluation 2020**)

9. **Title:** *Merchant Cell for Good Quality and Economic Power*, **Candidate:** Archana G. Jaisingpure, **University:** Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (Department of Electrical Engineering, Yashwantrao Chavan College of Engineering, Hingna Road, Wanadongri, Nagpur), **(Thesis Evaluation 2017)**
10. **Title:** *Exploring Voltage Source Converter Based Flexible A. C. Transmission System (FACTS) Devices with Energy Storage Capability for Improving Power System Performance*, **Candidate:** Kantilal Dayalal Joshi, **University:** Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (Department of Electrical Engineering, G. H. Raisonni College of Engineering, Nagpur), **(Thesis Evaluation 2017)**
11. **Title:** *Techno-Economic Feasibility of Solar PV System With Integration To Grid*, **Candidate:** D. K. Sharma, **University:** AFSET, Maharshi Dayanand University, Rohtak (Haryana) – 124001. **(Thesis Evaluation & Viva-Voce Examiner 2017)**
12. **Title:** *Development and Integration of Multi Level Inverter for Solar PV Applications*, **Candidate:** Ahmad Faiz Minai, **University:** Department of Electrical Engineering, Faculty of Engineering, Integral University, Lucknow-226026. **(Thesis Evaluation & Viva-Voce Examiner 2017)**
13. **Title:** *Parameter Optimization of Hybrid Dual Chaneel Photovoltaic Thermal Module Using Soft Computing Techniques*, **Candidate:** Sonveer Singh, **University:** Department of Electronics and Communication Engineering, Subharti Institute of Technology and Engineering, Swami Vivekananda Subharti University, Meerut. **(Thesis Evaluation & Viva-Voce Examiner 2016)**
14. **Title:** *Exergoeconomic and Envireoeconomic Analysis of Hybrid Photovoltaic Thermal Systems: A comparative Study*, **Candidate:** Deepika Chauhan, **University:** Faculty of Engineering and Technology, Jagannath University, Jaipur – 303901. **(Thesis Evaluation 2016)**
15. **Title:** *Computer Recognition of Indian Sign Language*, **Candidate:** Ashok Kumar Sahoo, **University:** Department of Computer Science and Engineering, School of Engineering and Technology, Sharda University, Greater Noida-201308. **(Thesis Evaluation & Viva-Voce Examiner 2014)**

M. Tech. Dissertations Supervised

1. **PV Plant as a FACTS device in multi-feeder system**, Candidate: Abid Ali (22-MEM-001), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2024).
2. **Single Phase Grid connected PV system and Synchronization Techniques**, Candidate: Haridas (22-MEM-007), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2024).
3. **THD Analysis for Grid Connected PV System Based Multi-level Inverter using Modified MPPT Algorithm**, Candidate: Anjali Rawat (20-MEM-003), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2022).
4. **A Novel Control Strategy Based on Neural Network for Improving Microgrid Operation**, Candidate: Danish Mushtaq (20-MEM-004), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2022).
5. **Energy Management of Grid Connected Renewable Energy Sources based Microgrid using Grey Wolf Optimization**, Candidate: Shafquat Rana (20-MEM-020), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2022).
6. **Control of Power Flow through Transmission Line using Synchronous Compensator (STATCOM)**, Candidate: Aamir Reyaz Bhat (19-MEM-001), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2021).
7. **Control Of A Three-Phase Off-Board Battery Charger For Electric Vehicles With Vehicle To Grid (V2G) Technology**, Candidate: Uzma Dar (19-MEM-020), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2021).

8. **Dual Active Bridge Based Bidirectional Converter for Electrical Vehicle**, Candidate: Md Qayamuddin (19-MEM-008), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2021).
9. **Voltage Regulation with High DG Integration**, Candidate: Yasir Jafri (18-MEM-021), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2020).
10. **Power Quality Improvement using Shunt Active Power Filter**, Candidate: Kafeel Khan (18-MEM-007), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2020).
11. **Feasibility Investigation of Energy Storage Systems for Hybrid Power System**, Candidate: Abid Hussain Lone (17-MEM-002), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2019).
12. **Techno-Economic Feasibility Analysis of Hybrid Power System**, Candidate: Tahleela Navid (17-MEM-017), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2019).
13. **An Efficient Hybrid TLBO-PSO Approach for Congestion Management Employing Real Power Generation Rescheduling**, Candidate: Muneeb Ul Bashir (17-MEM-013), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2019).
14. **Optimization of Parameters of Solar Photovoltaic Thermal (PVT) Model using Genetic Algorithm**, Candidate: Sumit Kumar (16-MEM-021), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2018).
15. **A Comparative Study of Optimal Placement Problem of Phasor Measurement Unit**, Candidate: Md Sarfraz Ahmad (16-MEM-011), Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2018).
16. **Optimal Location and Size Determination for DG and D-STATCOM in a Radial Distribution System**, Candidate: Bushra Weqar, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2017).
17. **Assessment of Market Power in a Deregulated Power System**, Candidate: Mohammad Quadeer Fahad, , Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2017).
18. **Integration of a PV-Wind-Diesel generator energy system with diesel generator as backup energy source**, Candidate: Ahmad Khan, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2016).
19. **Automatic Generation Control (AGC) along with Renewable Energy Sources**, Candidate: Shah Alam Khan, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2016).
20. **Transient Stability Enhancement by using coordinated control of SVC and Reclosing of Circuit Breaker**, Candidate: Prashant, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2015).
21. **Stability Enhancement using SubSynchronous Current Suppressor with SSSC**, Candidate: Nawaz Ali Warsi, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2015).
22. **Small Signal Stability improvement using controllers**, Candidate: Deepak Kumar Verma, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2014).
23. **Optimal Placement of Series FACTS Device in Deregulated Power System**, Candidate: Fahad Iqbal, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2014).
24. **Congestion Management in Deregulated Power System using FACTS**, Candidate: Mohd Tauseef Khan, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2013).
25. **Reactive Power Compensation for Integration of Wind Farm in a Distribution Network**, Candidate: Shahzad Ahsan, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2012).
26. **Application of Phase Shifting Transformer in Indian Network**, Candidate: Shagufta Khan, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2012).
27. **UPFC for Damping of Oscillations in Multi Machine Power Systems using Fuzzy Techniques**, Candidate: Mohd. Ilyas, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2010).
28. **Optimal Capacitor Placement in Distribution System Using Fuzzy Technique**, Candidate: Md. Farrukh Rahman, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2010).

29. **Design and Development of a Protective Grounding System for Okhla Industrial Region, New Delhi**, Candidate: Syed Akhtar Imam, Course: M. Sc. Engineering (Instrumentation & Control), Electrical Engg. Dept. ZHCOEAT, AMU, Aligarh (1997).

Examiner of M.Tech. Dissertations

1. **Title:** *'Effect of Contaminants on Flashover Performance of Porcelain Disc Insulator'* Master of Technology in Electrical Engineering (High Voltage and Insulation Engineering) **Candidate:** Urvashi Sharma (Roll No. 20EEHM004/En. No. GE-0830), **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (15/12/2022, External Examiner).
2. **Title:** *'AC Dielectric Strength and Thermal properties of Ester Oil based Nanofluids'* Master of Technology in Electrical Engineering (High Voltage and Insulation Engineering) **Candidate:** Mantasha Azam (Roll No. 20EEHM009/En. No. GE-3853), **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (15/12/2022, External Examiner).
3. **Title:** *'Control Strategies for Dual Active Bridge Converter'* Master of Technology in Electrical Engineering (Power Electronics and Electrical Drives) **Candidate:** Dinanath Mohan Firake (P20EL019), **University:** Department of Electrical Engineering, Sardar Pallavbhai National Institute of India, Surat (07/07/2022, External Examiner).
4. **Title:** *'Modelling, Simulation And Design of Single-Stage Resonant AC-DC Converter'* Master of Technology in Electrical Engineering (Power Electronics and Electrical Drives) **Candidate:** Nikunj Kumar Kamleshbharthi Goswami (P20EL012), **University:** Department of Electrical Engineering, Sardar Pallavbhai National Institute of India, Surat (07/07/2022, External Examiner).
5. **Title:** *'Modeling, Simulation and Design of Multiphase Buck Converter'* Master of Technology in Electrical Engineering (Power Electronics and Electrical Drives) **Candidate:** Akshay Shankarnarayan Hegde (P20EL016), **University:** Department of Electrical Engineering, Sardar Pallavbhai National Institute of India, Surat (07/07/2022, External Examiner).
6. **Title:** *'Integration and Optimisation of Solar PV System with other energy sources for electric vehicle charging stations'* Master of Technology in Electrical Engineering (Solar & Renewable Energy Systems) **Candidate:** Ankit Agarwal (Roll No. 19EESM-543/En. No. GL-3319), **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (16/11/2021, External Examiner).
7. **Title:** *'Optimal Placement of Protective Devices in Distribution Systems'* Master of Technology in Electrical Engineering (Solar & Renewable Energy Systems) **Candidate:** Syed Atiyab Ali (Roll No. 19EESM-505/En. No. GL-3293), **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (01/11/2021, External Examiner).
8. **Title:** *'Advanced Control and Design of Multilevel Matrix Converters'* Master of Technology in Electrical Engineering (Power System & Drives) **Candidate:** Aqeel Ahmad Ansari (Roll No. 19EPM-536/En. No. GG-4771), **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (5/10/2021, External Examiner).
9. **Title:** *'Power Quality Improvement of DG Based Renewable Energy System'* Master of Technology in Electrical Engineering **Candidate:** Md. Zeeshan Alam (Roll No. 18EPM-007/En. No. GH-0015), **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (15/06/2021, External Examiner).
10. **Title:** *'Empirical Estimation of Breakdown Strength of Solid Insulation'* Master of Technology in Electrical Engineering (High Voltage and Insulation Engineering) **Candidate:** Mohd Kasif, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (03/10/2017, External Examiner).
11. **Title:** *'Modelling of five-Phase induction motor with comparative studies of three-phase induction motor'* Master of Technology in Electrical Engineering (Power System & Drives)

- Candidate:** Athar Khan, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
12. **Title:** *'Power System Stability Improvement Using Hybrid Fuzzy TCSC Controllers* Master of Technology in Electrical Engineering (Power System & Drives) **Candidate:** Kumail Hasan Naqvi, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 13. **Title:** *'Modelling and Control of Multi-Phase Wind Energy Generation System'* Master of Technology in Electrical Engineering (Power System & Drives) **Candidate:** Mohd. Sartaj, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 14. **Title:** *'Performance of disc insulator under artificial pollution conditions'* Master of Technology in Electrical Engineering (High Voltage and Insulation Engineering) **Candidate:** Sakir Ali, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 15. **Title:** *'Design Analysis of Reliable Renewable Energy Based Backup Power Supply for Residential Applications'* Master of Technology in Electrical Engineering **Candidate:** Syed Muhammad Amrr, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 16. **Title:** *'Control and Optimization of Solar PV Based Inverter Air conditioning System'* Master of Technology in Electrical Engineering (Instrumentation and Control) **Candidate:** Gaurav Chaudhary, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 17. **Title:** *'Control and Optimization of Solar PV Based EV Charging Station'* Master of Technology in Electrical Engineering (Instrumentation and Control) **Candidate:** Prashant Shrivastava, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 18. **Title:** *'Inactivation of Microbes in Liquid Food Using High Voltage'* Master of Technology in Electrical Engineering (High Voltage and Insulation) **Candidate:** Kinshuk Agarwal, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 19. **Title:** *'Analysis of Inrush Current in High Voltage Large Power Transformer'* Master of Technology in Electrical Engineering (High Voltage and Insulation Engineering) **Candidate:** Md. Quaiser Alam, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (External Examiner).
 20. **Title:** *'Power System Stability Improvement using FACTS Controllers'* Master of Technology in Electrical Engineering (Power System & Drives) **Candidate:** Mohammad Tayyab, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (20/07/2013 External Examiner).
 21. **Title:** *'Development of a MATLAB/SIMULINK model of grid-connected solar photovoltaic system'* , Master of Technology in Electrical Engineering (Instrumentation & Control) **Candidate:** Hemayoon Hassan **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (14/06/2013 External Examiner).
 22. **Title:** *'Modeling and Control of Variable Speed Wind Energy Generator System'* Master of Technology in Electrical Engineering (Instrumentation & Control) **Candidate:** Mirza Tabish Shah Beg, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (09/02/2013 External Examiner).
 23. **Title:** *'PID Control System Analysis and Design'* Master of Technology in Electrical Engineering (Instrumentation & Control) **Candidate:** Mohsina Mukhtar, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (20/05/2011 External Examiner).

24. **Title:** 'Performance Analysis of an Induction Motor Drives fed from different Multilevel Inverters' Master of Technology in Electrical Engineering (Power System & Drives) **Candidate:** Khaliqur Rahman, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (18/04/2010 External Examiner).
25. **Title:** 'Performance Analysis of a Five-Phase Induction Motor for Variable Voltage Supply' Master of Technology in Electrical Engineering (Power System & Drives) **Candidate:** Ahmed Riyaz, **University:** Department of Electrical Engineering, ZH College of Engg. & Tech., AMU, Aligarh (01/08/2009 External Examiner).
26. Numbers of M.Tech. Dissertations at Department of Electrical Engineering, ALFALAH College of Engg. & Tech., Dhauj, Haryana, Department of Electrical Engineering, YMCA University, Faridabad.

B. Tech. Major Projects Supervised

More than 150 B.Tech. major projects are guided so far.

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CONFERENCE PARTICIPATIONS

Member, Technical Program Committee:

- 9th International Conference on Computing, Control and Industrial Engineering, Hangzhou, China, 19-21 September 2025.
- IEEE IAS 5th IEEE International Conference on 'Computing, Power and Communication Technologies (GUCON 2022)', India Habitat Centre, Lodhi Road, New Delhi, India, 23 – 25 September 2022.
- International Conference on 'Contemporary Computing and Applications (ICCCA 2020)', Lucknow, U.P., India, 05 – 07 February 2020.
- th IEEE International Conference on Signal Processing and Integrated Networks (SPIN 2019) held on 7- 8 March, 2019 at Amity University, Noida- Delhi NCR, India.
- 5th International Conference – Signal Processing and Integrated Networks (SPIN 2018), Department of Electronics and Communication Engineering, Amity School of Engineering and Technology, Amity University Uttar Pradesh Noida - 201313, India, 22 – 23 February 2018.
- 4th International Conference – Signal Processing and Integrated Networks (SPIN 2017), Department of Electronics and Communication Engineering, Amity School of Engineering and Technology, Amity University Uttar Pradesh Noida - 201313, India, 2 – 3 February 2017.
- International Conference on Special Functions and Their Applications (ICSFA – 2016), Department of Applied Science & Humanities, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi – 110025, India, September 09 – 11, 2016.
- International Conference on Advances in Computers, Communications and Electronics Engineering (COMMUNE – 2015), Department of Electronics and Instrumentation Technology, University of Kashmir, Srinagar, India, 16 – 18 March 2015.
- International Conference on Additive Manufacturing and 3D Printing', Vel Tech University and ESCI - The Institution of Engineers (India) Chennai, India, 5 -7 February, 2015.
- National Conference on 'Advances in Mechanical Engineering (AIME-2006)' Mechanical Engineering Department, FET, Jamia Millia Islamia, New Delhi, India, January 20 – 21 2006.
- 2015 IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy & Materials (ICSTM 2015) 6-8 May 2015, Vel Tech Dr.RR & Dr.SR Technical University, Chennai.

Session Chair:

- International Conference on Electrical Engineering and Computer Technology (ICEECT-2024) organized by Sharda University, G. Noida, August 29 to August 31, 2024 (<https://www.sharda.ac.in/iceect2024/>)
- 'Trends of Robotics in India (TORI – 23)' sponsored by The Robotic Society (TRS) of India and organized by JMI TRS Students Chapter, Faculty of Engg & Tech, Jamia Millia Islamia, New Delhi, 31st January 2023.
- IEEE sponsored Recent Developments in Control Automation and Power Engineering (RDCAPE-2021), Department of Electrical and Electronics Engineering, Amity University, Noida, India, 7 – 8 October, 2021.
- Session Chair, ICEEE 2020, National Power Training Institute HQ Faridabad Auditorium, 28th February 2020.
- Co-Chair, in the technical session of 'National Conference on Robotics & Mechatronics NCORM-2020' organized by The Department of Mechanical Engineering, Faculty of Engineering & Technology, JMI, New Delhi during 3rd – 4th March 2020.
- International conference on ' Smart Cities - Opportunities & Challenges' organized by Department of Civil Engineering, JMI, New Delhi during March 14 – 16, 2019.
- Workshop on "Latest Trends and Modern Practices in Power Sector and their Inclusion in Training Courses" at NPTI Faridabad on 09/10/2018.
- National Conference on New Horizons in Technology for Sustainable Energy and Environment (NHTSEE 2017), YMCA University of Science & Technology, Faridabad, Haryana, India, 9 – 10 March 2017.
- 37th Annual National Conference of IABMS on 'Current Advances in Integrated Biomedicine for Health Care', held during 4 – 6th November 2016, at Shobhit University, Meerut – 250110, UP India (2016).
- 12th IEEE International Conference (INDICON 2015) on Electronics, Energy, Environment, Communication, Computer, Control (E3 – C3), Jamia Millia Islamia, New Delhi, India, 17 – 20 December 2015.

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- **Member, Editorial Board**, Clean Energy Technology and Application (CETA), Platform and Workflow by OJS/PKP .
- **Member, Editorial Board**, Advances in Engineering: an International Journal (ADEIJ), adeij.journal@airccse.com, AIRCC Publishing Corporation, No.25 HIG II, 2nd Cross Street, Mogappair West, Chennai, Tamil Nadu, India 600 037.
- **Editor**, International referred Journal Electrical & Electronic Technology Open Access Journal (EETOAJ), MedCrave Group, medcraveonline.com, Danforth Rd., Edmond, Oklahoma 73003, , United States.
- **Editorial Advisory Board Member**, Journals and Books published by IGI Global publishers, Hershey, Pennsylvania (USA).
- **Reviewed** manuscripts for "Journal of The Institution of Engineers (India): Series B".
- Nominated **Reviewer for scientific journal 'Advances in Electrical and Electronic Engineering (AEEE)** ISSN 1336-1376 (Print), ISSN 1804-3119 (Online) Department of Telecommunications, Faculty of Electrical, Engineering and Computer Science, VSB-**Technical University of Ostrava**, Ostrava-Poruba, **Czech Republic**, (<http://advances.utc.sk>).
- Appointed **reviewer** of a manuscript for **Electric Power Components and Systems Journal** <http://www.tandfonline.com/toc/uemp20/current> , Taylor & Francis, UK by Professor Dan M. Ionel, PhD, FIEEE, Editor-in-Chief, 2019.
- **Invited Reviewer**, International Journal of Electrical Power and Energy Systems, (Elsevier Publication) by Innocent Mamwa, Associate Editor.

- Member Technical Advisory Board, HMR Institute of Technology & Management, affiliated to GGSIP Univ.
- Requested by McGraw Hill Education to **review the book** "Modern Power System by Kothari and Nagrath, 2018.
- Appointed a **reviewer** for "**IEEE Transactions on Smart Grid**" by Dr. Jianhui Wang, Editor-in-Chief Prof. Anastasios Bakirtzis, Editor IEEE Transactions on Smart Grid.
- **Reviewed** manuscripts for the international journal "**Smart Science** (ISSN 2308-0477)), **Taylor & Francis, UK**".
- **Reviewed** manuscripts on the invitation of Prof. Ajit Verma, phd, Editor in Chief, for **International Journal of Systems Assurance Engineering and Management (IJSA), Springer**.

Invited Talks/Expert Lectures

- **"Issues and Challenges in Operation and Control of Renewable Energy dominated Power System"** in the workshop on 'Sustainable Energy Systems for Climate Change Mitigation' during 5 – 6 August 2024 sponsored by Department of Science and Technology, Delhi. and organized by university Teaching Department, Chhattisgarh Swami Vivekanand Technical University, Bhilai, Chhattisgarh.
- **"Phasor Measurement Unit (PMU) and Wide Area Monitoring System (WAMS)"** in POSOCO Ltd Load Dispatchers Training & Certification program on SCADA basics on 31st January 2018 organized by SCADA & Smart Grid Technologies Lab, Department of Electrical Engineering, Jamia Millia Islamia, New Delhi.
- **"Automation in Modern Power System Operation and Control"** in TEQIP III Sponsored Faculty Development Program on Intelligent Management of Renewable Energy Technologies on 20th January, 2018 at YMCA University of Science and Technology, Faridabad.
- Plenary Talk on **"Automation in Modern Power System Operation and Control"** in 2nd International Conference on 'Recent Developments in Control, Automation and Power Engineering (RDCAPE-2017)' held on 26 – 27 October, 2017 at Amity University, Uttar Pradesh.
- **'Artificial Intelligence in Engineering Applications'** in MHRD – GIAN course on *Advances in Neurotechnologies for Building the Brain-Machine Interface* organized by Department of Electrical Engineering, JMI, New Delhi during 25 February – 1 March, 2017.
- Invited to be an **honourable speaker** at 1st International Conference on Smart Grid Technologies on the theme **"Digitizing Power through Smart Grid Usage"** in Smart Grid Convention 2017, Singapore.
- **'Applications of SCADA in Power Systems'** at Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, India on 30th May 2016.
- **'Intelligent Techniques in RES based Power Systems'** in National Seminar on Renewable Energy Potential and Status in INDIA (REPSI) sponsored by Ministry of New & Renewable Energy (MNRE), Govt. of India at Bharti Vidyapeeth's College of Engineering, New Delhi, India on 9th November 2016.

- Key Resource Person and Guest Speaker in Faculty Development Program on “**Innovation and Advanced Practices in Power System and Control**”, I.T.S. Engineering College, Greater Noida during May 02 – 07, 2016.
- ‘**Applications of SCADA system in Modern Power Systems**’ in innovation symposium on Power Control Engineering (ISPACE 2016) organized by Department of Electrical & Electronics Engineering, Amity University Uttar Pradesh, Noida, India on 31st March 2016.
- ‘**Artificial Intelligence**’ on 27th February 2015, in Faculty Development Programme on ‘Mechatronics & Robotics in Manufacturing Industries, organized during 27th February – 12th March, 2015 by Mechanical Engineering Department, F/O Engg. & Tech., Jamia Millia Islamia.

ACADEMIC ACTIVITIES

- Appointed M.Tech. Dissertation Examiner at ‘Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat’. (July 2022)
- Appointed Question Paper Setter for Electrical Engineering Department ‘PhD Entrance Examination-2022’ of Integral University, Lucknow. (August 2022).
- Resource Person in SOET, IGNOU organized FDP on “Recent Advances and Application of IoT in Renewable Energy Technologies” during 23rd August – 27th August 2021 under the AICTE-ATAL-FDP Scheme (2021).
- Nominated by HoD, Electrical Engineering to participate as an expert in Lecture Series organized by the Commission for Scientific and Technical Terminology, Ministry of Education (Dept. of Higher Education), Govt. of India (27.10.2021).
- Review the Syllabi of Flexible AC Transmission System (BEEL405), Electrical Energy Management (BEEL402), EHV-AC & HVDC Transmission courses of GH Rasoni College of Engineering, Nagpur (2017).
- Appointed member of Programme Implementation Committee to launch Diploma in Electrical Engineering (DEE) through Distance Mode at Arjun Singh Centre for Distance and Open Learning, Jamia Millia Islamia (2009).
- Appointed member of the ‘Member, Committee of Studies of FTK-Center for Information Technology, JMI’ for a period of three years w.e.f. 01.01.2019, by the office of Vice Chancellor, Jamia Millia Islamia, 2019 (JMI/CIT/CS/Letters2019/02 FTS497353/ADCIT-23775, dated: 04 January, 2019).
- Member, Scientific Committee ‘Akshay Energy 2019’ constituted by TERI School of Advanced Studies, New Delhi for Eventzz Craft Incorporation.
- Attended One day workshop of All India Council for Technical Education (AICTE) on ‘Examination Reform’ held at Deenbandhu Chhotu Ram University of Science & Technology (DCRUST), Murthal (Sonapat) on 25.05.2019.
- Appointed external examiner for ‘Electronics Devices Lab’ of M.Sc. (Electronics) Semester I, in the Department of applied Sc. & Humn., Faculty of Engg. & Tech., Jamia Millia Islamia, 2018.
- Appointed paper setter of the course ‘Utilization of Electrical Energy and Electric Traction (ETEE-304)’ by Guru Gobind Singh Indraprastha University, Dwarka, New Delhi-110078. 2018
- External Reviewer for Research Application Grant titled “Feasibility Analysis of Soil-less Vertical Farming Technology in Qatar”, Qatar University (QU) 2018).
- Reviewed the course ‘Indian Power Sector – Infrastructure & Regulation (DRE 111A)’ of distance education programme on Renewable Energy (<http://www.terisas.ac.in/apgdre>) run by TERI School of Advanced Studies, New Delhi (2018).

- Member, Advisory Committee, IEEE PES cosponsored International Conference on Smart Electric Drives and Power System (ICSEDPS-2018) to be held from Jun 12th to Jun 13th, 2018 in G H Rasoni College of Engineering Nagpur.
- Member, Departmental Research Committee, PhD Scholars, Amity School of Engineering & Technology, Amity University, Noida, UP – 2013131, India.
- Member, Faculty Committee, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
- Invited as an expert by YMCA University of Science & Technology, Faridabad for NBA Mock visit conducted on 21st November, 2017.
- Invited as an expert by NIT Kurukshetra for NBA Mock visit cum training program conducted on 10th – 11th October, 2017.
- Member, National Advisory Board, International Conference On Renewable Energy Potential for Sustainable Initiatives (REPSI-2018), (8th - 9th February 2018), Bharati Vidyapeeth's College Of Engineering, New Delhi
- International Association of Advanced Materials (IAAM, www.iaamonline.org), invited to join as "Committee Member" and "INVITED SPEAKER" in the Baltic Conference Series 2017 (www.vbripress.com/bcs17winter), during 08 – 11 October 2017, Sweden.
- Member, Technical Program Committee, 4th International Conference – Signal Processing and Integrated Networks (SPIN 2017), 2 – 3 February 2017, Department of Electronics and Communication Engineering, Amity School of Engineering and Technology, Amity University Uttar Pradesh Noida - 201313, (U.P.), <http://www.amity.edu/spin2017>
- Member, National Advisory Committee, National Conference on 'New Horizons in Technology for Sustainable Energy and Environment (NHTSEE 2017)' 9-10 March, 2017, YMCA University of Science and Technology, Faridabad.
- Reviewed the syllabus for course BEEL405: FLEXIBLE AC TRANSMISSION SYSTEMS, of G. H. Rasoni College of Engineering (GHRCE), Nagpur on the request of Dr. P. M. Daigavane, HoD Electrical.
- Participated and presented a research paper titled 'Performance Analysis of Reactive, Proactive and Hybrid Routing Protocol used in Petroleum Tank over Networked Control System' in International Conference on Intelligent Communication, Control and Devices (ICICCD-2016) organized by Department of Electronics, Instrumentation and Control Engineering at university of Petroleum and Energy Studies, Dehradun, India during 2nd & 3rd April, 2016.
- Attended expert lecture on "Portable PMUs & their Usefulness in Renewable Power Integration & Power Quality Measurements" by Prof. Dalibor Brnobic, University of Rijeka, Croatia, at Committee room, Faculty of Engg. & Tech., JMI on 28 January 2016.
- Technical Program Track Chair (track 2: Energy & Power), 12th IEEE International Conference (INDICON 2015): Electronics, Energy, Environment, Communication, Computer, Control (E³ – C³), held during 17 – 20 December 2015 at Jamia Millia Islamia, New Delhi, INDIA.

Administrative Responsibilities

Infrastructure Developments and Maintenance in Jamia Millia Islamia,

Served in the following capacity:

- Member of the Building Committee .
- Chairman, Technical Committee to formalize the specifications of the EPABX System
- Consultant for electrical related works of the Jamia Millia Islamia

- Member of the Committee constituted by Vice Chancellor, JMI to seek technical consultation regarding development of specifications for NIT as well as maintenance of costly electric equipments for sub-stations and other major power supply equipments/components of the university.
- Convener (on being the Incharge (Electrical, Building & Construction Department of JMI) of 'Electricity, Water and General Maintenance Committee' to facilitate for organizing Annual Convocation-2016 of Jamia Millia Islamia.

Nodal Officer for B.Sc. (Aeronautics) Program

Served in the following capacity:

- Nodal Officer for B.Sc. aeronautics program being offered in Faculty of Engineering & Technology first in collaboration with M/s Pawan Hans Limited and later with Indocopters Pvt. Ltd. (2023 – till now)
- Member, Joint Working Group to implement MoU signed between JMI and m/s Pawan Hans Limited to start a new course B.Sc. (Aeronautics) at Faculty of Engineering & Technology, JMI (2017-2018).

Selection Committees in Jamia Millia Islamia and outside

- Member of the Selection Committee for promotion from Associate Professor (Academic Level 13A) to Professor (Academic Level 14) in the discipline of ELECTRICAL ENGINEERING, SCHOOL OF ENGINEERING AND TECHNOLOGY, IGNOU, DELHI, 17th February 2022.
- EXPERT MEMBER, Evaluation Committee of INSPIRE Fellowship applications, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.
- Member, Selection Committee for the selection of Guest Faculty in B.Voc – AI & Robotics, Telematics, Telecommunication, Internet of Things and Digital Manufacturing in Dayalbagh Educational Institute (Deemed University), Agra – 282005, Uttar Pradesh, India (27.11.2021).
- Ministry of Human Resource Development, Govt. of India nominated as Member-Expert (Electrical/Electronics) for selection of candidates for the award of '2017 Commonwealth Scholarship in the United Kingdom'.
- VC's nominee for screening committee for the post of Technical Assistant, Center for Physiotherapy and Rehabilitation Sciences, JMI.
- Member, CSIR-SRF/RA Selection Committee in the area of 'Electrical, Electronics, Instrumentations & Computer Engineering Sciences', HRD, Council of Scientific & Industrial Research, 26 – 27 February 2018.
- Member of the panel for interviewing the aspirants of Civil Services to be coached at the Residential Coaching Academic, JMI (2018).
- Expert to evaluate published material for promotion of a faculty member from Assistant Professor to Associate Professor by Vice Chancellor of Aligarh Muslim University (Ref. No. D-1503/Sc, dated 03.10.2017).
- Member, Selection Committee, Students for M.Tech. (Renewable Energy Engineering and Management, REEM), TERI University, Vasant Kunj, New Delhi – 110070, India, held on 4th July 2017.
- Outside expert for promotion of PhD research scholars from JRF to SRF in Electrical Engineering Department of J C Bose University of Science & Technology, YMCA, Faridabad, 2023.

Contributions in Jamia Millia Islamia and outside Corporate Life

- Member Board of Studies:
 - Department of Sustainable Energy, TERI School of Advanced Studies (earlier TERI University).

- Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025 (2017 – 2020).
 - Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
 - Department of Electrical Engineering, GLA University, Mathura, UP, India.
 - Renewable Energy Engineering and Management (REEM) of Department of Energy & Engineering, TERI School of Advanced Studies (earlier TERI University).
 - School of Electrical, Electronics and Communication Engineering (SEECE), Galgotias University (GU), Greater, India.
 - Department of Electrical Engineering, YMCA University of Science & Technology, Faridabad, Haryana, India.
 - Department of Electrical & Electronics Engineering, Amity School of Engineering & Technology, Amity University, Noida, UP – 2013131, India.
- Senior Warden, Shafiqur Rehman Kidwai (SRK) and Obaidullah Sindhi Hostels of Hall of Boys' Residence, Jamia Millia Islamia, New Delhi-110025.
 - Executive Member, Jamia Teacher's Association – 2001, 2015, Jamia Millia Islamia, New Delhi-110025.
 - Member of the committee for preparation of Prospectus of Jamia Millia Islamia, 2015.
 - Appointed Vice President of 'FAITH SOCIAL AND EDUCATIONAL WELFARE SOCIETY, a non profit charitable society for educational upliftment of socially weaker section of society.
 - Appointed 'Nodal Officer for sharing of good practices' by the office of Vice Chancellor, Jamia Millia Islamia, 2015.
 - Member, Advisory Committee, International Conference on Science, Technology and Sustainability-2022 (ICSTS-2022), organised by MMANTC, Malegaon-423203, Nashik (India), 05 – 06 November 2022.
 - Appointed member of the 'Faculty Cpmmittee of the Faculty of Dentistry, JMI' for a period of three years w.e.f. 20.02.2019 in terms of Statute 18(1)(vi) of Jamia Act 1988, by the office of Vice Chancellor, Jamia Millia Islamia, 2019.
 - Member, Technical Committee constituted by The Vice Chancellor of Jamia Millia Islamia to deal with the issues related with the 'Clean-Room' created in Centre for Nanoscience and Nanotechnology.

Organization and Conduction of Conferences

- Member of Organizing Committee and Participant, International Conference on Special Functions and Their Applications (ICSFA – 2016), September 09 – 11, 2016, Department of Applied Science & Humanities, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi – 110025, India.
- Organizing Secretary, National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015) organized by Department of Electrical Engineering, Faculty of Engg. & Tech., Jamia Millia Islamia, New Delhi during 2 – 3 February 2015.
- Member Organizing Committee of one day National Convention 'Education at Crossroads' on 3rd March 2015 organized by Jamia Teachers Association.

Conduction of Examinations in Jamia Millia Islamia and outside

- Appointed as OBSERVER for UGC NET examination (held on 10th July 2016) by the competent authority of MHRD, India.
- Assistant Superintendent of Examinations – 2015, 2016, 2023 academic years for B. Tech. / B.E. / M. Tech Programs, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.

- Appointed by The Vice Chancellor, JMI DECODER, for answer-scripts of PhD admission tests 2020-21 under the Faculty of Natural Sciences.

MEMBERSHIPS IN PROFESSIONAL BODIES

1. Member, IEEE (U.S.A.) (M – 41343953)
2. Life Member, Indian Society for Technical Education (ISTE) (LM – 25349) since 29.12.1997.
3. Life Member, Indian Science Congress Association (ISCA) (L – 9018), since 26 March 2001.
4. Life Member, System Society of India, (LM-30273), since 16.04.2010.
5. Associate, Institution of Engineers (India), (A – 506298 / 6), since 23 March 1994.
6. Member, The Institution of Electronics and Telecommunication Engineers (IETE), (SG9 093612) since 13/11/1992.
7. Life Member, Indian Chapter of International Center for Theoretical Physics, Trieste, (Italy).
8. Member, Robotics Society of India (M – R150330)