

# **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 27 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 Honours. 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 more than 150 research papers published in refereed international and national journals and conferences of repute having more than 1000 citations with h-index 17 and i10-index 32. He is also reviewer of quite a few 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	12	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
		<b>28</b>	<b>Teaching : 27 years (12 years as Professor)</b>	

## EDUCATION

Degree	Specialization	Year	University	Project / Thesis Title	Class or Division (% secured)
Ph.D.	Electrical Engineering	2001	Department of Electrical Engineering Jamia Millia Islamia (Central University) New Delhi –110025 INDIA	Applications of Neural Networks and Fuzzy Logic Techniques in Pattern Recognition	--
Post Graduate Diploma in Financial Management (P.G.D.F.M.)	Finance Management	1996	Indira Gandhi National Open University (I.G.N.O.U.), INDIA	--	--
M.Sc. Engineering	Power System & Electrical Drives	1994	Department of Electrical Engineering Aligarh Muslim University, Aligarh (U.P.) INDIA	Design of Protective Earthing for High Voltage Laboratory at AMU, Aligarh	78% Ist Div. with Hons.
B.Sc. Engineering	Electrical Engineering	1992	Department of Electrical Engineering Aligarh Muslim University, Aligarh (U.P.) INDIA	Study of Artificial Neural Networks	76% Ist Div. with Hons.
B.Sc. (Hons.) I Year	Physics	1988	Aligarh Muslim University, Aligarh (U.P.) INDIA	--	[66% Marks]
SSSC (10 + 2)	Physics, Chemistry, Maths, Biology, English	1987	Aligarh Muslim University, Aligarh (U.P.) INDIA	Distinction in Maths.	67%, Ist Div.
High School	Science, Maths, English, Hindi	1985	UP Board	Distinction in English, Maths, science, and Biology.	78% Ist Div. with Hons.

## Memberships in professional bodies:

- **Member**, IEEE (U.S.A.) (M – 41343953), 2001-2002
- **Life Member**, Indian Society for Technical Education (ISTE) (LM – 25349) since 29.12.1997.
- **Life Member**, Indian Science Congress Association (ISCA) (L – 9018), since 26 March 2001.
- **Life Member**, System Society of India, (LM-30273), since 16.04.2010.
- **Associate**, Institution of Engineers (India), (A – 506298 / 6), since 23 March 1994.
- **Member**, The Institution of Electronics and Telecommunication Engineers (IETE), (SG9 093612) since 13/11/1992.
- **Life Member**, Indian Chapter of International Center for Theoretical Physics, Trieste, (Italy).
- **Member** (till 2020), Robotics Society of India (M – R150330)

## RESEARCH GUIDANCE

### PhDs Awarded

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

1. **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**).
2. **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**).
3. **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**).
4. **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**).
5. **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**).
6. **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**).
7. **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**).
8. **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**).
9. **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**).

10. **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**).
11. **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**

12. **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**)
13. **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**

14. **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**).
15. **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**

16. **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**).
17. **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**

18. **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. **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*).
2. **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).
3. **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), (Registered in July 2019).
4. **A Fuzzy Logic Based Pattern Recognition approach for Decision Making in Medical Sciences**, candidate: **Ms. Gurkiran Kaur**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisor**: Prof. Munna Khan, JMI, New Delhi), Registered in December 2016, *under Visvesvaraya Scheme 2015-2016, Govt. of India*.
5. **Investigation of Technocommercial, Economic and Environmental Issues in MicroGrids**, candidate: **Mr. Nawaz Ali Warsi**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisor**: Dr Sheeraz Kirmani, Associate Professor, Department of Electrical Engineering, ZHCET, AMU Aligarh), (Registered in November 2016).
6. **Designing of meta-material based reconfigurable array antenna for wireless communication**, candidate: **Mr. Devesh Kumar**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisors**: Prof. Hemender Pal Singh, ASET, Amity University, Noida & Prof. Malay Ranjan Tripathy, ASET, Amity University, Noida), (Registered in March 2017).
7. **Application of Intelligent Techniques for DECISION Making in Modern Power System Operation**, candidate: **Mr. Prashant**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (Registered in December 2017).
8. **Power Quality Issues and Solutions in Power System with High Penetration of Renewable Energy Sources**, candidate: **Mr. Naresh Kumar**, Electrical Engineering Department, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi (**Co-supervisor**: Dr Rajveer Singh, JMI, New Delhi), (Registered in December 2017).

## Appointed Examiner of PhD Thesis

1. **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**)
2. **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**)
3. **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**)
4. **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**)
5. **Title:** *Design and Development of Advanved 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**)

6. **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)**
7. **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. Rasoni College of Engineering, Nagpur), **(Thesis Evaluation 2017)**
8. **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)**
9. **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)**
10. **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)**
11. **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)**
12. **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)**

## M. Tech. Dissertations Supervised

1. **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).
2. **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).
3. **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).
4. **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).
5. **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).
6. **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).

7. **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).
8. **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).
9. **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).
10. **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).
11. **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).
12. **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).
13. **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).
14. **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).
15. **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).
16. **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).
17. **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).
18. **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).
19. **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).
20. **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).
21. **Small Signal Stability improvement using controllers**, Candidate: Deepak Kumar Verma, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2014).
22. **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).
23. **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).
24. **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).
25. **Application of Phase Shifting Transformer in Indian Network**, Candidate: Shagufta Khan, Course: M. Tech (EPSM) Electrical Engg Dept. F/O Engg. & Tech. JMI (2012).
26. **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).
27. **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).



28. **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

- 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).
- 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).
- 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).
- 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).
- 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).
- 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).
- 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).
- 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).
- 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).
- 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.

## RESEARCH PUBLICATIONS

### Books:

- Dr. Majid Jamil, Dr. Munna Khan, **Dr. Anwar Shahzad Siddiqui**, Eds. "Emerging Trends in Electrical and Electronics Engineering, Volume I, Publisher: Excel India Publishers, 2015, ISBN 978-93-84869-20-5.
- Dr. Majid Jamil, Dr. Munna Khan, **Dr. Anwar Shahzad Siddiqui**, Eds. "Emerging Trends in Electrical and Electronics Engineering, Volume II, Publisher: Excel India Publishers, 2015, ISBN 978-93-84869-25-0.

### Book Chapters:

1. Anjali Jain, Ashish Mani, **Anwar S Siddiqui**, "An intelligent technique for electric vehicles for the monitoring of parameters", Book: Smart Grids for Renewable Energy Systems, Electric Vehicles and Energy Storage Systems, eBook ISBN: 9781003311195, Pages 191-202, Publisher: CRC Press (Taylor & Francis Group)
2. Tahleela Navid, Abid Hussain Lone and **Anwar Shahzad Siddiqui**, "Techno-Economic Feasibility Analysis of Hybrid System", Book: Smart Cities—Opportunities and Challenges, DOI: [10.1007/978-981-15-2545-2\\_20](https://doi.org/10.1007/978-981-15-2545-2_20), Pages 341-352, Publisher : Springer, Singapore (2022).
3. Abid Hussain Lone, Tahleela Navid and **Anwar Shahzad Siddiqui**, "Feasibility Investigation of Energy Storage Systems of Hybrid Power System and Its Benefits to Smart Cities", Book: Smart Cities—Opportunities and Challenges, DOI: [10.1007/978-981-15-2545-2\\_20](https://doi.org/10.1007/978-981-15-2545-2_20), Pages 219-230, Publisher : Springer, Singapore (2022).
4. Parvaiz Ahmad, **Anwar Shahzad Siddiqui**, Uzair Malik, "MPP Technique for Solar PV Module Through Modified PSO Using Cuk Converter Under Varying Insolation Conditions", Book: Smart Cities—Opportunities and Challenges, DOI: [10.1007/978-981-15-2545-2\\_65](https://doi.org/10.1007/978-981-15-2545-2_65), Pages 809-817, Publisher : Springer, Singapore (2022).
5. Sourav Diwania, Anmol Gupta, **Anwar S Siddiqui**, Sanjay Agrawal, "Exergetic Analysis of

- Glazed Photovoltaic Thermal (Single-Channel) Module Using Whale Optimization Algorithm and Genetic Algorithm”, Book: Intelligent Computing Techniques for Smart Energy Systems, Pages 591-600, DOI: [10.1007/978-981-15-0214-9\\_62](https://doi.org/10.1007/978-981-15-0214-9_62), Publisher: Springer, Singapore (2020).
6. Sumit Kumar, Sourav Diwania, **Anwar S Siddiqui**, Sanjay Agrawal, “Role of Optimization Algorithms in Enhancing the Performance of Photovoltaic Thermal (PV/T) Systems”, Book: Advances in Renewable Energy and Sustainable Environment, Pages 253-263, DOI: [10.1007/978-981-15-5313-4\\_24](https://doi.org/10.1007/978-981-15-5313-4_24), Publisher: Springer, Singapore.
  7. Anmol Gupta, Sourav Diwania, Sanjay Agrawal, **Anwar S Siddiqui**, Yash Pal, “A bibliographical view on research and developments of photovoltaic and thermal technologies as a combined system: PV/T system”, Book: Intelligent computing techniques for smart energy systems, Pages 713-722, [https://doi.org/10.1007/978-981-15-0214-9\\_74](https://doi.org/10.1007/978-981-15-0214-9_74), Publisher: Springer, Singapore (2020).
  8. Nawaz Ali Warsi, **Anwar Shahzad Siddiqui**, Sheeraz Kirmani, Md Sarwar, “Impact Analysis of Microgrid in Minimization of Distribution System Losses”, Book: Innovations in Electrical and Electronic Engineering, Pages 283-288, DOI: [10.1007/978-981-16-0749-3\\_22](https://doi.org/10.1007/978-981-16-0749-3_22) Publisher: Springer, Singapore. (2021)
  9. Mohd Tauseef Khan, Anurag Chauhan, **Anwar Shahzad Siddiqui**, “Wide Area Control of Power System Using FACTS Device”, Book Applications of Computing, Automation and Wireless Systems in Electrical Engineering, Lecture Notes in Electrical Engineering, Pages 145-156, [https://doi.org/10.1007/978-981-13-6772-4\\_14](https://doi.org/10.1007/978-981-13-6772-4_14) Publisher: Springer, Singapore.(2019)
  10. Mohammad Quadeer Fahad, Mohd Tauseef Khan, **Anwar Shahzad Siddiqui**, “Market Power in Deregulated Power System, Handbook of Research on Power and Energy System Optimization, ISBN13: 9781522539353, DOI: [10.4018/978-1-5225-3935-3](https://doi.org/10.4018/978-1-5225-3935-3), Pages: 480-510, Publisher: IGI, Global. (Indexed in Web of Science) (2018).
  11. Choudekar P., Sinha S., **Anwar Siddiqui**, “Improvement of Power System Security Under Single Line Critical Contingency Condition by Optimal Placement of Multiple TCSCs”, In: Garg A., Bhoi A., Sanjeevikumar P., Kamani K. (eds) Advances in Power Systems and Energy Management. Lecture Notes in Electrical Engineering, vol 436. DOI: [https://doi.org/10.1007/978-981-10-4394-9\\_69](https://doi.org/10.1007/978-981-10-4394-9_69) , Print ISBN: 978-981-10-4393-2, pp 701-708, Publisher: Springer, Singapore.
  12. **Anwar S. Siddiqui**, Manisha Rani, “Power System Loadability Enhancement Using TCSC: An Adaptive Gravitational Search Algorithm”, Impending Power Demand and Innovative Energy Paths, Editors: Prof. (Dr.) Govind Chandra Mishra ISBN: 978-93-83083-84-8, First Impression: 2014, pp. 203 – 207, <http://krishisanskriti.org/books.html> . Publisher: EXCELLENT PUBLISHING HOUSE, New Delhi – 110070,
- 
13. S. K. Agarwal, Sachi Bansal, **Anwar S. Siddiqui**, ‘Performance Analysis of Reactive, Proactive and Hybrid Routing Protocol Used in Petroleum Tank Over Network Control Systems’, Book titled Proceeding of International Conference on Intelligent Communication, Control and Devices (ICICCD 2016), Print ISBN 978-981-10-1707-0, Volume 479 of the series Advances in Intelligent Systems and Computing, Series ISSN 2194-5357, pp.367-374, DOI: [10.1007/978-981-10-1708-7\\_42](https://doi.org/10.1007/978-981-10-1708-7_42). Publisher: Springer Singapore,

## Journals Publications:

### Google Scholar Citation Index:

[https://scholar.google.co.in/citations?user=CqT4\\_NIAAAAJ&hl=en](https://scholar.google.co.in/citations?user=CqT4_NIAAAAJ&hl=en)

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1. **Anwar Shahzad Siddiqui** & Prashant, "Optimal Cumulative Cost Strategy for the Thermal-Solar Integrated Radial Distribution System with Minimized Carbon Footprint for Sustainable Solution for Clean Energy", *International Journal of Green Energy*, **Taylor & Francis** DOI: <https://doi.org/10.1080/15435075.2022.2033245> (2022)
2. **Siddiqui, A.S.**, Prashant, "Optimal Location and Sizing of Conglomerate DG- FACTS using an Artificial Neural Network and Heuristic Probability Distribution Methodology for Modern Power System Operations", *Protection and Control of Modern Power System*, Springer Open, volume 7, issue 1, pp. 1 - 25. <https://doi.org/10.1186/s41601-022-00230-5> (2022)
3. Prashant, Md Sarwar, **Anwar Shahzad Siddiqui**, Sherif SM Ghoneim, Karar Mahmoud, Mohamed MF Darwish, "Effective Transmission Congestion Management via Optimal DG Capacity Using Hybrid Swarm Optimization for Contemporary Power System Operations", *IEEE Access*, Volume 10, Pages 71091-71106, doi: [10.1109/ACCESS.2022.3187723](https://doi.org/10.1109/ACCESS.2022.3187723), Publisher: IEEE (2022)
4. Prashant; **Siddiqui, A.S.**; Sarwar, M.; Althobaiti, A.; Ghoneim, S.S.M, "Optimal Location and Sizing of Distributed Generators in Power System Network with Power Quality Enhancement Using Fuzzy Logic Controlled D-STATCOM", *Sustainability*, 14 (6), 3305, Publisher: MDPI. <https://doi.org/10.3390/su14063305> (2022)
5. Md Sarwar, Nawaz Ali Warsi, **Anwar Shahzad Siddiqui**, Sheeraz Kirmani, "Optimal selection of renewable energy-based microgrid for sustainable energy supply", *International Journal of Energy Research*, Volume 46, Issue 5, Pages 5828-5846, <https://doi.org/10.1002/er.7525><https://doi.org/10.1002/er.7525>, Publisher: John Wiley & Sons, Inc. (2022)
6. U. Dar, **A. S. Siddiqui**, and F. I. Bakhsh, "Design and Control of an Off Board Battery Charger for Electric Vehicles", *Distributed Generation & Alternative Energy Journal*, River Publishers, vol. 37, no. 4, pp. 959–978, <https://doi.org/10.13052/dgaej2156-3306.3744> (2022)
7. A. Jain, A. Mani, and **A. S. Siddiqui**, "Metaheuristic Technique based on Realistic Mimicking of Grey Wolf's Hunting Process for Solving Dynamic Economic Dispatch Problem with Electric Vehicles", *Distributed Generation & Alternative Energy Journal*, River Publishers, vol. 37, no. 4, pp. 1083–1128, <https://doi.org/10.13052/dgaej2156-3306.3749> (2022)
8. Anjali Jain, Ashish Mani, **Anwar S Siddiqui**, "Design Challenges for Efficient Integration of Electric Vehicles in Smart Cities", Pages : 9-1, [https://doi.org/10.1063/9780735422827\\_009](https://doi.org/10.1063/9780735422827_009), Publisher: AIP Publishing LLC/AIP Publishing Melville, New York (2021).
9. Jain, A., Mani, A., & **Siddiqui, A.**, "Dynamic Economic Dispatch of Power System Network Having Thermal Units and Electric Vehicles using IGWO", *Majlesi Journal of Electrical Engineering*, 15(4), 43-62, <https://doi.org/https://doi.org/10.52547/mjee.15.4.43> Publisher: Islamic Azad University Majlesi (2021).
10. Sourav Diwania, **Anwar S Siddiqui**, Sanjay Agrawal, Rajeev Kumar, "Performance assessment of PVT-air collector with V-groove absorber: A theoretical and experimental analysis", *Heat and Mass Transfer*, Volume 57, Issue 4, Pages 665-679, <https://doi.org/10.1007/s00231-020-02980-0> Publisher: Springer Berlin Heidelberg (2021)
11. Sourav Diwania, **Anwar S Siddiqui**, Sanjay Agrawal, Rajeev Kumar, "Modeling and assessment of the thermo-electrical performance of a photovoltaic-thermal (PVT) system using different nanofluids", *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, Volume 43, Issue 4, Pages 1-18, <https://doi.org/10.1007/s40430-021-02909-6> Publisher: Springer Berlin Heidelberg (2021).
12. Sourav Diwania, Sanjay Agrawal, **Anwar S Siddiqui**, "Performance enhancement of single-channel glazed photovoltaic thermal module using Whale Optimisation Algorithm and its comparative study", *International Journal of Ambient Energy*, Volume 42, Issue 4, Pages 424-434, <https://doi.org/10.1080/01430750.2018.1537937> Publisher: Taylor & Francis (2021).
13. Niharika Thakur, YK Awasthi, **AS Siddiqui**, "Reliability analysis and power quality improvement model using enthalpy based grey wolf optimizer", *Energy Systems*, Volume 12, Issue 1, Pages 31-59, <https://doi.org/10.1007/s12667-020-00409-5> Publisher: Springer Berlin Heidelberg (2021).
14. Prashant, **Anwar Shahzad Siddiqui**, Abhinav Saxena, 'Optimal intelligent strategic LMP Solution and Effect of DG in Deregulated System for Congestion Management', *International Transactions on Electrical Energy*, <https://doi.org/10.1002/2050-7038.13040>, Impact factor: 2.860, Publisher: John Wiley & Sons Ltd (2021)
15. Prashant Gupta, **Anwar Shahzad Siddiqui**, 'A Comprehensive Review on Various FACTS Devices and Application of Different AI Techniques In Their Operations For Progressive Electric Power System Operations', *International Journal of Computing and Digital System*, 2021 - [journal.uob.edu.bh](http://journal.uob.edu.bh), Publisher : University of Bahrain, ISSN: 2210-142X (2021).

16. Md Sarwar, **Anwar Shahzad Siddiqui**, "A novel approach for optimal allocation of series FACTS device for transmission line congestion management", Engineering Reports, Volume 3, Issue 6, Pages e12342, <https://doi.org/10.1002/eng2.12342> Publisher: John Wiley & Sons, Inc. (2021).
17. Md Sarwar, **Anwar Shahzad Siddiqui**, Zainul Abidin Jaffery, DP Kothari, 'Bid responsive generation rescheduling for congestion management in electricity market', DOI: [10.1002/eng2.12331](https://doi.org/10.1002/eng2.12331), 020 , Engineering Reports, Publisher : John Wiley & Sons Ltd.(2021)
18. Ikbali Ali, Sunil Kumar, **A Shahzad Siddiqui**, "Performance Analysis of Different Solar Models Based on the Solar cell Parameters", <http://nopr.niscpr.res.in/handle/123456789/56502> Publisher: NISCAIR-CSIR, India (2021)
19. Sourav Diwania, Sanjay Agrawal, **Anwar S Siddiqui**, Sonveer Singh, "Photovoltaic–thermal (PV/T) technology: a comprehensive review on applications and its advancement", International Journal of Energy and Environmental Engineering, Volume 11, Issue 1, Pages 33-54, <https://doi.org/10.1007/s40095-019-00327-y>, Publisher: Springer Berlin Heidelberg, (2020).
20. Jain, A., Mani, A., & **Siddiqui, A.**, "Dynamic Economic Dispatch of Power System Network Having Thermal Units and Electric Vehicles using IGWO", Majlesi Journal of Electrical Engineering, 15(4), 43-62, Publisher: Islamic Azad University Majlesi, . <https://doi.org/https://doi.org/10.52547/mjee.15.4.43> (2020).
21. Sachi Bansal, SK Agarwal, **AS Siddiqui**, "Performance of Digital Communication Network for a Two-Tank System implementing LAR And RIP Protocol using Fractional Controller and Smith Predictor", Telecommunications and Radio Engineering, Volume 79, Issue 2, pp. 91-99, DOI: [10.1615/TelecomRadEng.v79.i2.10](https://doi.org/10.1615/TelecomRadEng.v79.i2.10), Publisher: Begel House Inc. (2020).
22. Niharika Thakur, YK Awasthi, **AS Siddiqui**, Manisha Hooda, "Congestion reduction under IPFC based deregulated electricity market using AKH algorithm", Journal of Physics: Conference Series, Volume 1478, Issue 1, Pages 012-027, Publisher: IOP Publishing. (2020)
23. Nawaz Ali Warsi, **Anwar Shahzad Siddiqui**, Sheeraz Kirmani, Md Sarwar, "Impact assessment of microgrid in smart cities: Indian perspective", Technology and Economics of Smart Grids and Sustainable Energy, Volume 4, Issue 1, Pages 1-16, <https://doi.org/10.1007/s40866-019-0071-3>, Publisher: Springer Singapore (2019)
24. Niharika Thakur, YK Awasthi, Manisha Hooda, **Anwar Shahzad Siddiqui**, "Adaptive whale optimization for intelligent multi-constraints power quality improvement under deregulated environment", Journal of Engineering, Design and Technology, Vol. 17 No. 3, pp. 490-514. <https://doi.org/10.1108/JEDT-08-2018-0130> Publisher: Emerald Publishing Limited (2019)
25. Ankur Singh Rana, Fahad Iqbal, **Anwar Shahzad Siddiqui**, Mini Shaji Thomas, "Hybrid methodology to analyse reliability and techno-economic evaluation of microgrid configurations", IET Generation, Transmission & Distribution, Volume 13, Issue 21, Pages 4778-4787, <https://doi.org/10.1049/iet-gtd.2018.6733> Publisher: The Institution of Engineering and Technology (2019).
26. Anjali Jain, Ashish Mani, Anwar Shahzad Siddiqui, "Network architecture for demand response implementation in smart grid", International Journal of System Assurance Engineering and Management, Volume 10, Issue 6, Pages 1389-1402, <https://doi.org/10.1007/s13198-019-00891-w> Publisher: Springer India (2019)
27. Manisha Hooda, Dr YK Awasthi, Niharika Thakur, **Dr Anwar Shahzad Siddiqui**, "A Hybrid CS-CSA Optimization Algorithm for Solving Optimal Power Flow in Single Objective Optimization", Journal of Computational Mechanics, Power System and Control (JCMPS), Volume 2, Issue 2 (2019)
28. Khan M., **Siddiqui A. S.**, Mahmoud A. S. A., 'Robust H<sub>∞</sub> control of Magnetic Levitation system based on parallel distributed compensator, Ain Shams Engineering Journal, <http://dx.doi.org/10.1016/j.asej.2016.06.005>, Volume 9, Issue 4, Pages 1119-1129 Publisher: **Elsevier**, (2018)
29. Fahad Iqbal, Mohd Tauseef Khan, **Anwar Shahzad Siddiqui**, 'Optimal placement of DG and DSTATCOM for loss reduction and voltage profile improvement', <http://dx.doi.org/10.1016/j.aej.2017.03.002>, Alexandria Engineering Journal, Volume 57, Issue 2, Pages 755-765, Publisher: **Elsevier** (2018)
30. Sourav Diwania, Sanjay Agrawal, **Anwar S Siddiqui**, 'Performance enhancement of single-channel glazed photovoltaic thermal module using Whale Optimization Algorithm and its comparative study', International Journal of Ambient Energy ISSN: 0143-0750, <https://doi.org/10.1080/01430750.2018.1537937>, Publisher: **Taylor & Francis** (2018)
31. Pallavi Choudekar, Sanjay Sinha and **Anwar Siddiqui**, 'Congestion Management in Deregulated Power System by Optimal Placement of SVC Ensuring Voltage Stability', Journal of Advanced Research in Dynamical and Control Systems, ISSN: (Print) 1943-023X, Volume: 10 | Issue: 7, Pages: 103-110,

Publisher: Institute of Advanced Scientific Research. (2018)

32. T Deb, **A Siddiqui**, "A Meta Heuristic Approach to Congestion Mitigation through Optimal Placement of IPFC", IJE TRANSACTIONS C: Aspects Vol. 31, No. 6, Pages: 566-575. (2018)
33. Fahad Iqbal, **Anwar Shahzad Siddiqui**, Tanmoy Deb, Mohd Tauseef Khan & Ankur Singh Rana, 'Power Systems Reliability- A Bibliographical Survey', Smart Science, DOI: [10.1080/23080477.2017.1407985](https://doi.org/10.1080/23080477.2017.1407985), Volume 6, Issue 1 ISSN: (Print) 2308-0477, Publisher: **Taylor & Francis**. (2018)
34. Bushra Weqar, Mohd Tauseef Khan & **Anwar Shahzad Siddiqui**, Optimal Placement of Distributed Generation and D-STATCOM in Radial Distribution Network", Smart Science, Publication: **Taylor & Francis**, volume 5, issue 4, ISSN: (Print) 2308-0477, <https://doi.org/10.1080/23080477.2017.1405625>, pp. 1 – 9. (2017)
35. Fahad Iqbal, **Anwar Shahzad Siddiqui**, "Optimal configuration analysis for a campus microgrid—a case study", Protection and Control of Modern Power Systems, ISSN: 2367-0983, DOI [10.1186/s41601-017-0055-z](https://doi.org/10.1186/s41601-017-0055-z), Publisher: **Springer Singapore**, ISSN 2367-2617, 2367-0983. (2017)
36. ftikhar, Musheer Ahmad and **Anwar Shahzad Siddiqui**, "A Study on Fuzzy AHP method and its applications in a "tie-breaking procedure", Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 13, Number 6, pp. 1619-1630 © Research India Publications.(2017)
37. Fahad Iqbal, Mohd Tauseef Khan, **Anwar Shahzad Siddiqui**, 'Optimal placement of DG and DSTATCOM for loss reduction and voltage profile improvement', Alexandria Engineering Journal, Faculty of Engineering, Alexandria University. Production and hosting by **Elsevier** <http://dx.doi.org/10.1016/j.aej.2017.03.002>, (2017)
38. Pallavi Choudekar, S. K. Sinha, **Anwar Siddiqui**, 'Optimal location of SVC for improvement in voltage stability of a power system under normal and contingency condition', International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), (**Springer** Publications), DOI [10.1007/s13198-017-0601-0](https://doi.org/10.1007/s13198-017-0601-0). (2017)
39. Fahad Iqbal, **Anwar Shahzad Siddiqui**, Tanmoy Deb, "Study of xEV Charging Infrastructure and the Role of Microgrid and Smart Grid in its Development", Smart Science, Publication: **Taylor & Francis**, volume 5, issue 2, ISSN: (Print) 2308-0477, <https://doi.org/10.1080/23080477.2017.1317197>, pp. 61 – 74.(2017)
40. Tanmoy Deb, **Anwar S Siddiqui**, 'Congestion Management through Optimal Placement of SSSC using Modified Gravitational Search Algorithm', American International Journal of Research in Science, Technology, Engineering & Mathematics, Publisher International Association of Scientific Innovation and Research (IASIR), USA, ISSN (Print): 2328-3491, ISSN (Online): 2328-3580, ISSN (CD-ROM): 2328-3629, <http://www.iasir.net/>, pages 66 - 69. (2017)
41. Rashmi Jain, **Anwar S. Siddiqui**, Majid Jamil, C. P. Gupta, Preeti, 'A strategy for FTR bidding in deregulated electricity markets', International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), (**Springer** Publications), 8(Suppl. 1):S78–S89. DOI [10.1007/s13198-014-0275-9](https://doi.org/10.1007/s13198-014-0275-9).(2017)
42. Mohd Tauseef Khan, **Anwar Shahzad Siddiqui**, "Congestion management in deregulated power system using FACTS device", International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), (**Springer** Publications),8(Suppl. 1):S1–S7 DOI: [10.1007/s13198-014-0258-x](https://doi.org/10.1007/s13198-014-0258-x). (2017)
43. **Anwar Shahzad Siddiqui**, Manisha Rani, "Enhancing power system loadability using IPFC device", International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), (**Springer** Publications), 8(Suppl. 1):S154–S159. DOI [10.1007/s13198-015-0340-z](https://doi.org/10.1007/s13198-015-0340-z). (2017)
44. **Anwar Shahzad Siddiqui**, Mohd Tauseef Khan, Fahad Iqbal, 'Determination of optimal location of TCSC and STATCOM for congestion management in deregulated power system', International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), (**Springer** Publications) 8(Suppl. 1):S110–S117. DOI [10.1007/s13198-014-0332-4](https://doi.org/10.1007/s13198-014-0332-4). (2017)
45. Pallavi Choudekar, Sanjay Sinha and **Anwar Siddiqui**, "Optimal placement of thyristor controlled series compensators for mitigation of congestion under critical contingency condition", CSI Transactions on ICT, Vol. 4, Issue 2–4, (**Springer** Publications) <https://link.springer.com/article/10.1007/s40012-016-0124-x>, pp 259–264. (2016)
46. Sachi Bansal, S.K. Agarwal, **A.S. Siddiqui**, 'Dynamic Approach to Optimize Time Response Characteristics of Network Controlled Petroleum Tank System Having RIP or LAR Protocol Using Qualnet-5.0 and Matlab 7.0', Telecommunications and Radio Engineering, Begell House Publishers 50 North Street, Danbury, CT 06810 ISSN Print: 0040-2508, ISSN Online: 1943-6009, DOI: [10.1615/TelecomRadEng.v75.i17.70](https://doi.org/10.1615/TelecomRadEng.v75.i17.70), pages 1591-1598. (2016)
47. Amged Sayed Abdelmageed MAHMOUD, Munna KHAN, **Anwar Shahzad SIDDIQUI**, 'ROBUST H<sup>∞</sup>

- STATE FEEDBACK CONTROLLER FOR DISCRETE-TIME TAKAGI-SUGENO SYSTEMS', Journal of Electrical Engineering, ISSN 1582-4594 Volume 16, Issue 4, Publisher University "POLITEHNICA" Timisoara, <http://www.jee.ro/> Pages 467-473. (2016)
48. Tanmoy Deb, **Anwar S. Siddiqui**, 'Optimal Placement Of Statcom Using Gravitational Search Algorithm For Enhanced Voltage Stability', WSEAS Transactions on Power Systems, ISSN / E-ISSN: 1790-5060 / 2224-350X, Volume 11, Art. #31, pp. 271-275. (2016)
  49. **Anwar S Siddiqui**, Tanmoy Deb, "Application of multiple FACTS devices of similar type for congestion mitigation" , International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), 7(3) pp. 387–397. (**Springer** Publications), DOI 10.1007/s13198-014-0262-1. (2016)
  50. Shahzad Ahsan, **A.S. Siddiqui**, "Dynamic compensation of real and reactive power in wind farms using STATCOM" Perspectives in Science, Publisher: **Elsevier**, <http://dx.doi.org/10.1016/j.pisc.2016.06.008>. pp. 519 - 521. (2016)
  27. Munna Khan, **Anwar Shahzad Siddiqui**, Amged Sayed Abdelmageed Mahmoud, 'Robust H<sub>∞</sub> control of Magnetic Levitation system based on parallel distributed compensator, Ain Shams Engineering Journal, Publisher: **Elsevier**, <http://dx.doi.org/10.1016/j.asej.2016.06.005> (2016)
  28. Mohd Tauseef Khan, **Anwar Shahzad Siddiqui**, 'FACTS device control strategy using PMU', Perspectives in Science, Publisher: **Elsevier**, doi:10.1016/j.pisc.2016.06.072 pp. 730 – 732. (2016)
  29. Md SARWAR, **Anwar Shahzad SIDDQUI**, 'An approach to locational marginal price based zonal congestion management in deregulated electricity market', Frontiers in Energy, Publisher: Higher Education Press and Springer-Verlag Berlin Heidelberg 2016, June 2016, Volume 10, **Issue 2**, pp 240–248. doi:10.1007/s11708-016-0404-z
  30. Iftikhar, Musheer Ahmad, **Anwar Shahzad Siddiqui**, "A study on smoking problem using fuzzy matrix method", International Journal of Mathematical Archive (ISSN 2229 – 5046)- Vol. 7, No. 1, (2016), 147-152.
  51. Md Sarwar, **Anwar Shahzad Siddiqui**, "An efficient particle swarm optimizer for congestion management in deregulated electricity market", Journal of Electrical Systems and Information Technology, Volume 2, Issue 3, December 2015, Pages 269–282, (**Springer** Publications). <http://dx.doi.org/10.1016/j.jesit.2015.08.002> .
  52. **Anwar Shahzad Siddiqui**, Abrar Ahmad, Ahras Athar, 'Economic impact of power outage on GDP of India', International Journal of Engineering Technology, Management and Applied Sciences, March 2015, Volume 3 Special Issue, ISSN 2349-4476, [www.ijetmas.com](http://www.ijetmas.com), pp. 150 - 162 .
  53. Saloni Arora, Prof. Aziz Ahmad, **Prof. Anwar Shahzad Siddiqui**, "Improving the Dynamic Performance of Interconnected Three area Power System using I, PI & Fuzzy Controllers", IJSET - International Journal of Innovative Science, Engineering & Technology, Vol. 2 Issue 5, May 2015. [www.ijset.com](http://www.ijset.com) ISSN 2348 – 7968, pp. 922 – 927.
  31. Iftikhar, Musheer Ahmad, **Anwar Shehzad Siddiqui**, "Numerical Solution of Fuzzy System of Linear Equations using Jacobian and Gauss-Seidel Schemes in the Matrix Form", International Journal of Mathematical Sciences (ISSN 0972 – 754X)- Vol. 14, No. 3 - 4, (July – December 2015), pp. 205-218.
  54. **Anwar S. Siddiqui**, Manisha Rani, "Enhancing the Power System Loadability Using TCSC: Improved Gravitational Search Algorithm" International Journal of Innovative Research in Science, Engineering and Technology, Vol. 4, Issue 4, April 2015 DOI: 10.15680/IJIRSET.2015.0404019 pp. 1943 – 1950.
  55. Danish Chaudhary, Aziz Ahmed, **Anwar Shahzad Siddiqui**, 'Reduction of Total Harmonic Distortion for A Three Phase Fault in a Distribution Network by Using PID, Fuzzy & Hybrid PID-Fuzzy Controller Based DVR', American Journal of Electrical Power and Energy Systems (ISSN: 2326-9200), 2015; 4(5): 57-70, <http://www.sciencepublishinggroup.com/ijepes>.
  56. **Anwar S Siddiqui** and Tanmoy Deb, "Congestion mitigation on high voltage power lines using multiple TCSC & UPFC" , International Journal of Modeling, Simulation and Scientific Computing, Vol. 6, No. 2 (2015), 1550023 (15 pages) World Scientific Publishing Company, DOI 10.1142/S1793962315500233
  57. Iftikhar, Musheer Ahmad, **Anwar Shehzad Siddiqui**, "Numerical Solution of one dimensional Telegraph Equation using Fuzzy Membership Functions and  $\alpha$  – Cuts in Finite Difference Method", American Journal of Mathematics and Mathematical Sciences (ISSN 2278 – 0874)- Vol. 4, No. 1, (January – June 2015), pp. 85-94.
  58. **Anwar S. Siddiqui**, Manisha Rani, 'Enhancing the Power System Loadability Using STATCOM Device', International Journal of Scientific & Engineering Research, Volume 6, Issue 1, January-2015, ISSN 2229-5518, pp. 1567 – 1575.
  59. **Dr. Anwar Shahzad Siddiqui**, Sanjay Kalra, 'Ultra High Speed Protection and Speed Control System of DC Motor using LabVIEW', International Journal of Futuristic Trends in Engineering and Technology



ISSN: 2348-5264 (Print), ISSN: 2348-4071 (Online), Akshar Publication © 2015, Vol. 2 (8), 2015. (Paper ID: 28ET3007201501), [www.ijftet.com](http://www.ijftet.com).

60. Abrar Ahmad, Prof **Anwer Shahzad Siddiqui**, Aman Kumar, "Performance of Wind Diesel Integrated System Under Different Wind Conditions", International Journal of Emerging Technology and Advanced Engineering Website: [www.ijetae.com](http://www.ijetae.com) (ISSN 2250-2459 (Online), Volume 4, Special Issue 1, pp. 101 – 105.
61. Abrar Ahmad, **A.S. Siddiqui**, "Modeling of A Wind Diesel Integrated System With No Storage", International Journal of Emerging Technology and Advanced Engineering Website: [www.ijetae.com](http://www.ijetae.com) (ISSN 2250-2459 (Online), Volume 4, Special Issue 1, pp. 106 – 112.
62. Abdullah Umar, **Anwar.S.Siddiqui**, Aziz Ahmad, Zafar Khan, 'Robust Stability based PI Controller Design with Additive Uncertainty Weight for AGC (Automatic Generation Control) Application', International Journal of Electrical and Computer Engineering. ISSN 0974-2190 Publisher: International Research Publication House Volume 6, Number 1 (2014), pp. 35-46, <http://www.irphouse.com>
63. **Anwar S. Siddiqui**, Tanmoy Deb, "Application of multiple FACTS devices of similar type for congestion mitigation", International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), Volume 7, Issue 3, September 2014 (**Springer** Publications).pp. 387 - 397 DOI: [10.1007/s13198-014-0262-1](https://doi.org/10.1007/s13198-014-0262-1)
64. **Anwar A. Siddiqui**, Tanmoy Deb, Manisha Singh, 'Improved gravitational search algorithm for loadability enhancement of transmission lines using UPFC', International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), Volume 5, Issue 3, September 2014 (**Springer** Publications).pp. 444 - 449 DOI: [10.1007/s13198-013-0188-z](https://doi.org/10.1007/s13198-013-0188-z).
65. **Anwar Shahzad Siddiqui**, Abrar Ahmad, "Public Participation in Power Generation - An Assessment through SPV in India", International Journal of Emerging Engineering Research and Technology, SRYAHWA Publications, Volume 2, Issue 6, September 2014, PP 24-31 ISSN 2349-4395 (Print) & ISSN 2349-4409 (Online). [www.ijeert.org](http://www.ijeert.org)
66. Abdullah Umar, **Anwar S Siddiqui**, Naqui Anwer, "Generation Fuel Cost Minimization of Power Grid Using Primal Dual Interior Point OPF (Optimal Power Flow) Method", International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2319-8753) Vol. 3, Issue 4, April 2014, pp. 11014 – 11024.
67. **Anwar S Siddiqui**, Tanmoy Deb, "Congestion management using FACTS devices", International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), DOI 10.1007/s13198-013-0212-3, Volume 5, Number 4, pp. 618 – 627, **Springer** Publications.
68. **Anwar S Siddiqui**, Naqui Anwer, Abdullah Umar, "Power Flow Management using FACTS Controllers for Smart Grid Applications", International Journal of Innovative Research in Science, Engineering and Technology (ISSN: 2319-8753) Vol. 3, Issue 3, March 2014, pp. 10626 – 10631.
69. **Anwar S Siddiqui**, Tanmoy Deb, "Voltage Stability Improvement using STATCOM and SVC", International Journal of Computer Applications, Volume 88, Number 14, Foundation of Computer Science, New York, USA, February 2014, pp. 43 – 47.
70. **Anwar S Siddiqui**, Tanmoy Deb, Manisha Rani, "Enhancement of Power Flow in Congested Transmission Lines using Thyristor Controlled Phase Angle Shifter", Advances in Electronic and Electric Engineering, ISSN 2231 – 1297, volume 4, Number 4 (2014), Research India Publication, pp.397 - 402.
71. **Anwar S Siddiqui**, Manisha Rani, Tanmoy Deb, "Maximum Power Transfer Capability of UPFC: An Adaptive Gravitational Search Algorithm", Advances in Electronic and Electric Engineering, ISSN 2231 – 1297, volume 4, Number 3 (2014), Research India Publication, pp.297 - 300.
72. **A.S. Siddiqui** , Tanmoy Deb, "Voltage Stability Enhancement through Static Var Compensator", International Journal of Scientific & Engineering Research Volume 4, Issue 2, February-2013 1 ISSN 2229-5518 pp. 1 – 5. <http://www.ijser.org/>.
73. Rashmi jain, **Anwar S Siddiqui**, Md Sarwar, 'Combined Effect of HVDS and Reconductoring in Distribution Feeder Power Loss Minimization', International Journal of Electrical and Electronics Engineering Research (IJEER), ISSN(P): 2250-155X; Vol. 3, Issue 5, Dec 2013, 59-64.
74. **Anwar Shahzad Siddiqui**, Rashmi Jain, Md Sarwar, Ms. Narinder Kaur, 'A New Scheme for Inter-Zonal Congestion Management Using SFT', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, Issue 10, October 2013, ISSN (Print) : 2320 – 3765, p 4612 – 4619.
75. Rashmi jain, **Anwar S Siddiqui**, Majid Jamil, C P Gupta & Preeti, 'Maximising Profits Of Electrical Entities Using Load and Price Forecasting', International Journal of Electrical and Electronics Engineering Research (IJEER), ISSN(P): 2250-155X; Vol. 3, Issue 5, Dec 2013, 49-58.

76. **Anwar A Siddiqui**, Tanmoy Deb & Manisha Singh, 'Improved gravitational search algorithm for loadability enhancement of transmission lines using UPFC', International Journal of System Assurance Engineering and Management (ISSN: 0975-6809), (**Springer** Publications) July – September 2014, Volume 5, Issue 3, pp. 444 - 449.
77. Jain Rashmi, **Siddiqui, Anwar S.**, Jamil Majid, Gupta C. P., Preeti, 'A novel approach for phase locked loop modelling using MATLAB', International Journal of System Assurance Engineering and Management (ISSN: 0975-6809) (**Springer** Publications): Volume 4, Issue 2 (2013), Page 129-137
78. Naqui Anwer, **Anwar S Siddiqui**, Ahmad S Anees, A lossless switching technique for smart grid applications, International Journal of Electrical Power & Energy Systems, (Elsevier Publications), Vol. 49, July 2013, pp 213 – 220 (Impact Factor = 2.277).  
<http://www.sciencedirect.com/science/article/pii/S0142061513000203>. **Thomson-Reuters SCIE**
79. Rashmi Jain, **Anwar S Siddiqui**, Majid Jamil, C P Gupta, "Genetic Algorithm Technique for Social Welfare Improvement Using FACTS & Generation Rescheduling", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering Vol. 1, Issue 7, ISSN (Online) 2321 – 2004 ISSN (Print) 2321 – 5526, pp. 311 – 318.
80. **A S Siddiqui**, Tanmoy Deb, "Congestion Management in Restructured Electricity Markets using TCSC", International Journal of Electrical and Electronics Engineering Research (ISSN 2250-155X, Volume 3, Issue 2, June 2013, pp. 87 – 92, Impact Factor(JCC) 5.6397, Trans Stellar Publications. (this paper was selected as one of the best papers for the June 2013 edition based on quality of paper, technicality and flow, adherence to author guidelines, timelines and responses).
81. **A S Siddiqui**, Tanmoy Deb, "Voltage Stability Enhancement through Static Var Compensator, International Journal of Scientific & Engineering Research (ISSN 2229-5518, Impact Factor=1.4, Available on NASA Digital Library), Volume 4, Issue 2, February 2013, pp. 1 - 8.
82. **Anwar S Siddiqui**, Md. Farrukh Rahman, "Optimal Capacitor Placement to reduce losses in Distribution System", WSEAS Transactions on Power Systems (ISSN: 1790-5060/E-ISSN: 2224-350X), Issue 1, Volume 7, January 2012, pp. 12 - 17.
83. Rashmi Jain, **Anwar S Siddiqui**, Majid Jamil, C P Gupta, "FACTS Application for Congestion Management Using Fuzzy Logic", International Journal on Recent Trends in Engineering and Technology, Vol. 6, No. 2, Nov 2011, ACEEE, pp 140 – 146.
84. **Anwar S Siddiqui**, Rashmi Jain, Majid Jamil, C P Gupta, "Congestion Management in High Voltage Transmission Line Using Thyristor Controlled Series Capacitor (TCSC)", Journal of Electrical and Electronics Engineering Research, UK, ISSN-2141-2367, Vol. 3(8), September 2011, pp. 151-161.  
<http://www.academicjournals.org/journal/JEEER/article-abstract/1A909409153>.
85. **Anwar S Siddiqui**, "Adaptive equalization of sound Using Fletcher-Munson Contours" Journal of Engineering Research and Studies, JERS (E-ISSN 0976-7916)/ JERS/ Vol. II/ Issue IV/October-December, 2011/10-14 (paper available on-line at <http://www.technicaljournalonline.com/jers>.)
86. **Anwar S. Siddiqui**, 'Determination of Size and Location of Capacitors for Placement on a Radial Distribution System Using Fuzzy Technique', International Journal on Power Optimization and Control, volume 3, number 1, January-June 2011, pp. 1-8, ISSN: 0975-3982, Research Science Press, India.
87. **Anwar Shahzad Siddiqui**, Sheeraz Kirmani, and Md. Farrukh Rahman, "Optimal Capacitor Placement in Distribution System using Fuzzy Techniques", AMAE Int. J. on Production and Industrial Engineering, Vol. 01, No. 01, Dec 2010, DOI: 01.IJPIE.01.01.30, pp. 27 – 30.
88. Sachi Mittal, **Anwar S Siddiqui**, 'Networked Control System: Survey and Directions' Journal of Engineering Research and Studies, JERS (E-ISSN 0976-7916), /Vol.I/ Issue II/Oct.-Dec.,2010/35-50, available on-line on <http://www.technicaljournalonline.com/jers/current.html>.
89. **A S Siddiqui**, Poonam Tariq, 'Modeling of unforced uncertainties through Fuzzy Mathematics' Global Journal of Mathematical Science: Theory and Practical, ISSN 0974-3200, Volume 2, Number 3 (December 2010), pp. 105 – 119, International Research Publication House, India.
90. Poonam Tariq, **Anwar S Siddiqui**, Musheer Ahmad, 'Generalization of Fuzzy Sets to Model Associated Uncertainties', Global Sci-Tech, ISSN 0975-9638, Volume 2, Number 4, October – December 2010; pp. 195-202, New Delhi - 110025.
91. **A S Siddiqui**, Aziz Ahmad, 'Use of SCADA Systems in Power System Automation', International Journal of Engineering Studies, ISSN 0975-6469 Volume 2, Number 2 (2010), pp. 183-192, Research India Publication, available on-line on <http://www.ripublication.com/Volume/ijesv2n2.htm>.
92. Poonam Tariq, **Anwar S Siddiqui**, Musheer Ahmad, 'Fuzzy Mathematics: An Introduction', Global Sci-Tech, ISSN 0975-9638, Volume 1, Number 3, July – September 2009; pp. 166-176, New Delhi - 110025.

93. Moinuddin, **Siddiqui, A. S.**, Sharma, A. K., Gupta, J. P. , 'Control-A multi-level fuzzy rule based control strategy for Maglev system'. EPE-European Power Electronics and Drives Journal **ISSN:** 09398368, Publisher: EPE Association, Brussels, Belgium 10(1), pp. 26-31.

## Conferences Publications:

1. **Anwar Shahzad Siddiqui**, Prashant, Md Sarwar, "An Optimum GA-Based Solution for Economic Load Dispatch for Clean Energy", Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication Lecture Notes in Electrical Engineering, , Pages 325, [https://doi.org/10.1007/978-981-19-2828-4\\_31](https://doi.org/10.1007/978-981-19-2828-4_31) Publisher: Springer Singapore (2022).
2. Shafquat Rana, Danish Mushtaq, Nawaz Ali Warsi, Md Sarwar, **Anwar S Siddiqui**, "Grid-connected Hybrid Renewable Energy based Microgrid Optimization for Sustainable Energy Supply", 2nd Asian Conference on Innovation in Technology (ASIANCON), Pages 1-7, [doi: 10.1109/ASIANCON55314.2022.9909465](https://doi.org/10.1109/ASIANCON55314.2022.9909465) Publisher: IEEE (2022).
3. Sunil Kumar, Ikbali Ali, **Anwar Shahzad Siddiqui**, "Control of Wind Energy Connected Single Phase Grid with MPPT for Domestic Purposes", 2nd International Conference on Intelligent Technologies (CONIT), Pages 1-6, [doi: 10.1109/CONIT55038.2022.9847854](https://doi.org/10.1109/CONIT55038.2022.9847854). Publisher: IEEE (2022).
4. Archana Aggarwal, **AS Siddiqui**, Sukumar Mishra, "State Space Modelling and Stability Analysis of AC Micro-grids for Different Configurations", IEEE IAS Global Conference on Emerging Technologies (GlobConET), Pages 936-941, [doi: 10.1109/GlobConET53749.2022.9872497](https://doi.org/10.1109/GlobConET53749.2022.9872497) Publisher: IEEE (2022).
5. **Anwar Shahzad Siddiqui**, Md Sarwar, "Locational Marginal Pricing Based Management of Congestion with Optimum Sizing of Distributed Generator using Modified ILSHADE Algorithm", International Conference on Electronic Systems and Intelligent Computing (ICESIC), Pages 317-322, [doi: 10.1109/ICESIC53714.2022.9783476](https://doi.org/10.1109/ICESIC53714.2022.9783476) Publisher: IEEE (2022).
6. Naresh Kumar, **Anwar Shahzad Siddiqui**, Rajveer Singh, "ANFIS Controller-Based Grid Tied Nine Level Multilevel Inverter with Hybrid Power Generation for Power Quality Improvement", International Conference on Breakthrough in Heuristics And Reciprocation of Advanced Technologies (BHARAT), Pages 178-183, [doi: 10.1109/BHARAT53139.2022.00045](https://doi.org/10.1109/BHARAT53139.2022.00045) Publisher: IEEE (2022).
7. Mehtab Fatima, **Anwar Shahzad Siddiqui**, SK Sinha, "Design of Single Stage Inverter Control for Single-Phase Grid Connected Solar PV System", 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Volume 1, Pages 223-227, [doi: 10.1109/ICACCS54159.2022.9785179](https://doi.org/10.1109/ICACCS54159.2022.9785179) Publisher: IEEE (2022).
8. Mehtab Fatima, **Anwar Shahzad Siddiqui**, SK Sinha, "Implementation of Three-Phase two Stage Solar PV Inverter for Grid Connection", 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Volume 1, Pages 1325-1329, [doi: 10.1109/ICACCS54159.2022.9785351](https://doi.org/10.1109/ICACCS54159.2022.9785351). Publisher: IEEE (2022).
9. Archana Aggarwal, **AS Siddiqui**, Sukumar Mishra, "Proportional Load Sharing in an Autonomous Hybrid Micro-grid Using Interlinking Converter", IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE), Pages 1-5, [doi: 10.1109/PESGRE52268.2022.9715826](https://doi.org/10.1109/PESGRE52268.2022.9715826). Publisher: IEEE (2022).
10. **Anwar Shahzad Siddiqui**, Md Sarwar, "An Optimum GA-Based Solution for Economic Load Dispatch for Clean Energy", Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, Pages 325-336, [DOI: 10.1007/978-981-19-2828-4\\_31](https://doi.org/10.1007/978-981-19-2828-4_31) Publisher: Springer, Singapore (2022).
11. Prashant, **Anwar Shahzad Siddiqui**, "Congestion Management Based on Minimization of TCC and Optimal Placement & Sizing of DG", IEEE Bombay Section Signature Conference (IBSSC), Pages 1-6, [doi: 10.1109/IBSSC53889.2021.9673262](https://doi.org/10.1109/IBSSC53889.2021.9673262). Publisher: IEEE (2021).
12. Archana Aggarwal, **AS Siddiqui**, Sukumar Mishra, "Bi-directional Power Flow Through an Interlinking Converter in an Autonomous Hybrid Micro-Grid", IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON), Pages 1-6, [doi: 10.1109/GUCON50781.2021.9573898](https://doi.org/10.1109/GUCON50781.2021.9573898). Publisher: IEEE (2021).
13. Manisha Hooda, YK Awasthi, **AS Siddiqui**, Niharika Thakur, "Parametric Analysis: Determining the Efficacy of Varied Approaches under Deregulated Electricity Market", 2021 8th International Conference on Signal Processing and Integrated Networks (SPIN), Pages 702-707, [doi: 10.1109/SPIN52536.2021.9566060](https://doi.org/10.1109/SPIN52536.2021.9566060). Publisher: IEEE (2021).

14. Niharika Thakur, YK Awasthi, **AS Siddiqui**, Manisha Hooda, "Comparative Efficacy of Optimization Techniques towards Multi-Objective Electric Power Quality Improvement", 8th International Conference on Signal Processing and Integrated Networks (SPIN), Pages 726-731, doi: [10.1109/SPIN52536.2021.9565980](https://doi.org/10.1109/SPIN52536.2021.9565980). Publisher: IEEE (2021).
15. Anjali Jain, Ashish Mani, **Anwar S Siddiqui**, A Novel Architecture to Achieve Power Balance by Responsive Demand", 7th International Conference on Power Systems (ICPS 2017 ), "PATHWAYS FOR GRIDS OF THE FUTURE", held during December 21-23rd 2017, at **College of Engineering Pune (COEP)**, Pune, India, sponsored by **IEEE Pune Section** and **IEEE PES/IAS Chapter**.
16. Md Sarwar, Mohd. Tauseef Khan, **Anwar S. Siddiqui**, Imran A. Quadri, 'An Approach to Locate TCSC Optimally for Congestion Management in Deregulated Electricity Market', 7<sup>th</sup> India International Conference on Power Electronics (IICPE-2016), DOI: [10.1109/IICPE.2016.8079347](https://doi.org/10.1109/IICPE.2016.8079347), Publisher: IEEE.
17. Nevidita Sharma, Smitha R, Devesh kumar, **Anwar Shahzad Siddiqui**, 'Design, Simulation and a Comparative study of Square, Rectangular, Triangular and Dual Beamed RF MEMS Switch for Switching Applications, 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.).
18. Naqui Anwer, **Anwar S. Siddiqui**, Sanjay Bhatnagar, "Phasor measurement unit: Making the grid smarter a case study of voltage dip on 11kV feeders during fault at 220kV Samaypur Station, Faridabad (India) of BBMB Dated May 21, 2013 (23:55:06hrs)", 2016 International Conference on Computing, Communication and Automation (ICCCA), 16 January 2017, DOI: [10.1109/CCAA.2016.7813854](https://doi.org/10.1109/CCAA.2016.7813854), Publisher: IEEE, pp. 960-964.
19. Pallavi Choudekar, S K Sinha and **Anwar Siddiqui**, "Improvement of Power System Security under Single Line Critical Contingency Condition by Optimal Placement of Multiple TCSCs," accepted for publication in Lecture Notes in Electrical Engineering (LNEE) – Springer, 1st International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAEEERE-2016), 17-18 Dec, Sikkim Manipal Univ.
20. Fahad Iqbal, **Anwar Shahzad Siddiqui**, M. Saad Alam, Furkan Ahmad, 'STUDY OF xev CHARGING INFRASTRUCTURE AND THE ROLE OF MICROGRID AND SMARTGRID IN ITS DEVELOPMENT', International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2016), held during October 21st & 22nd 2016 at GD Goenka University, Gurgaon.
21. Pallavi Choudekar, S K Sinha and **Anwar Siddiqui**, "Optimal Placement of Thyristor Controlled Series Compensators For Mitigation of Congestion Under Critical Contingency Condition," International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2016), held during October 21st & 22nd 2016 at GD Goenka University, Gurgaon.
22. Pallavi Choudekar, S K Sinha and **Anwar Siddiqui**, "Transmission Line Efficiency Improvement and Congestion Management under Critical Contingency Condition by Optimal Placement of TCSC" IEEE Seventh India International Conference on Power Electronics (IICPE 2016), held during November 17-19, 2016 at Thapar University, Patiala, Punjab.
23. Md. Sarwar, Mohd. Tauseef Khan, **Anwar Shahzad Siddiqui**, Imran A Quadri, "An approach to locate TCSC optimally for congestion management in Deregulated Electricity Market", IEEE international Conference IICPE 2016, Patiala.
24. S. K. Agarwal, Sachi Bansal, **Anwar S. Siddiqui**, 'Performance Analysis of Reactive, Proactive and Hybrid Routing Protocol Used in Petroleum Tank Over Network Control Systems', Proceeding of International Conference on Intelligent Communication, Control and Devices, pp.367-374, DOI: [10.1007/978-981-10-1708-7\\_42](https://doi.org/10.1007/978-981-10-1708-7_42).
25. Amged Sayed Abdelmageed Mahmoud, Munna Khan, **Anwar Shahzad Siddique**, Discrete-time control of Maglev system using switched fuzzy controller', , 2015 Annual IEEE India Conference (INDICON), Pages: 1 - 6, IEEE Xplore, DOI: [10.1109/INDICON.2015.7443345](https://doi.org/10.1109/INDICON.2015.7443345), 31 March 2016, Publisher: **IEEE**.
26. S Bansal, SK Agarwal, **Anwar S Siddiqui**, 'Performance analysis of network controlled petroleum tank system with RIP and LAR protocol', 2015 Annual IEEE India Conference (INDICON), Pages: 1 - 5, IEEE Xplore, DOI: [10.1109/INDICON.2015.7443673](https://doi.org/10.1109/INDICON.2015.7443673), Publisher: **IEEE**.
27. **A S Siddiqui**, Tanmoy Deb, Fahad Iqbal, 'Optimal location of FACTS device using meta heuristic search algorithm', 2015 Annual IEEE India Conference (INDICON), Pages: 1 - 4, IEEE Xplore, DOI: [10.1109/INDICON.2015.7443412](https://doi.org/10.1109/INDICON.2015.7443412), Publisher: **IEEE**.
28. M. T. Khan; **A. S. Siddiqui**; M. Sarwar; F. Iqbal, 'Mitigation of Market Power in Deregulated Power System using Nash Equilibrium', 2015 Annual IEEE India Conference (INDICON), Pages: 1 - 5, IEEE Xplore, DOI: [10.1109/INDICON.2015.7443645](https://doi.org/10.1109/INDICON.2015.7443645), Publisher: **IEEE**.

29. Md. Sarwar; **A. S. Siddiqui**, 'Zonal congestion management based on locational marginal price in deregulated electricity market', 2015 Annual IEEE India Conference (INDICON), Pages: 1 - 4, IEEE Xplore, DOI: [10.1109/INDICON.2015.7443582](https://doi.org/10.1109/INDICON.2015.7443582), Publisher: **IEEE**.
30. Abdullah Umar, **Anwar Shahzad Siddiqui**, Naqui Anwer, 'Congestion Management in Power System Restructuring and its Solution using FACTS Devices', 3<sup>rd</sup> International Conference on Emerging Trends in Computer Science and Information Technology (ITETCSIT-2015), Al-Falah University, Faridabad, India, 28<sup>th</sup> April 2015.
31. **Anwar Shahzad Siddiqui**, Abrar Ahmad, Waris Senan "Improving power reliably in hostile territory through solar energy", proceedings of International Conference on Recent Developments in Control, Automation and Power Engineering (RDCAPE 2015) Publisher: IEEE, Print ISBN: 978-1-4799-7246-3, pp. 377 - 381 DOI:[10.1109/RDCAPE.2015.7281428](https://doi.org/10.1109/RDCAPE.2015.7281428).
32. Md. Sarwar; **A. S. Siddiqui**, Congestion management in deregulated electricity market using distributed generation', 2015 Annual IEEE India Conference (INDICON)', Pages: 1 - 5, DOI: [10.1109/INDICON.2015.7443618](https://doi.org/10.1109/INDICON.2015.7443618), Publisher : **IEEE**.
33. **Anwar Shahzad Siddiqui**, Md. Sarwar and Mohd. Tauseef Khan, 'Development of Competitive Market in Indian Power Sector', Proceedings of National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015), 2<sup>nd</sup> & 3<sup>th</sup> February 2015, Jamia Millia Islamia, New Delhi, Volume I, Publisher: Excel India Publishers, ISBN 978-93-84869-20-5, pp. 23 – 28.
34. Prashant and **Anwar Shahzad Siddiqui**, 'Application of FACTS Devices in Modern Power System Operations', Proceedings of National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015), 2<sup>nd</sup> & 3<sup>th</sup> February 2015, Jamia Millia Islamia, New Delhi, Volume I, Publisher: Excel India Publishers, ISBN 978-93-84869-20-5, pp. 352 – 361.
35. **Anwar Shahzad Siddiqui**, Tanmoy Deb and Fahad Iqbal, 'Optimal Placement of TCSC for Congestion Management Using Gravitational Search Algorithm', Proceedings of National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015), 2<sup>nd</sup> & 3<sup>th</sup> February 2015, Jamia Millia Islamia, New Delhi, Volume II, Publisher: Excel India Publishers, 2015, ISBN 978-93-84869-25-0, pp. 20 – 27.
36. **Anwar Shahzad Siddiqui** and Manisha Rani 'Power System Loadability Enhancement Using SSSC Device', Proceedings of National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015), 2<sup>nd</sup> & 3<sup>th</sup> February 2015, Jamia Millia Islamia, New Delhi, Volume II, Publisher: Excel India Publishers, 2015, ISBN 978-93-84869-25-0, pp. 108 – 112.
37. Nawaz Ali Warsi, Seema and **Anwar Shahzad Siddiqui**, 'Stability Enhancement of Multi Machine Power System Using SSSC Device with Controller', Proceedings of National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015), 2<sup>nd</sup> & 3<sup>th</sup> February 2015, Jamia Millia Islamia, New Delhi, Volume II, Publisher: Excel India Publishers, 2015, ISBN 978-93-84869-25-0, pp. 151 – 157.
38. **Anwar Shahzad Siddiqui**, Mohd Tauseef Khan and Fahad Iqbal 'Power System Congestion Management using UPFC', Proceedings of National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015), 2<sup>nd</sup> & 3<sup>th</sup> February 2015, Jamia Millia Islamia, New Delhi, Volume II, Publisher: Excel India Publishers, 2015, ISBN 978-93-84869-25-0, pp. 230 – 235.
39. **A. S. Siddiqui**, T. Deb, "A gravitation based search algorithm for improvement of maximum power transfer by optimal placement of UPFC" Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity (CIPECH), 2014, pp. 216 - 220, IEEE Xplore doi: 10.1109/CIPECH.2014.7019079.
40. **Anwar Shahzad Siddiqui**, Abrar Ahmad, Ahraz Athar, "Economic Impact of Power Outage on GDP of India", International Conference on Emerging Trends of Engineering, Science, Management and Its Applications (ICETESMA-15), Academic Science and Conference Info at Jawaharlal Nehru University, JNU Covention Center, New Delhi, 01 March 2015.
41. **Anwar S. Siddiqui**, Manisha Rani, "Power System Loadability Enhancement Using TCSC: An Adaptive Gravitational Search Algorithm", International Conference on "Energy Technology, Power Engineering & Environmental Sustainability" (ETPEES- 2014) held at Jawaharlal Nehru University, New Delhi, on 21<sup>st</sup> and 22<sup>nd</sup> June, 2014, organized by Krishi Sanskriti, pp. 203 – 207.
42. **A. S. Siddiqui**, Md. Sarwar, S. Ahsan, "Congestion management using improved inertia weight particle swarm optimization", Proceedings of 6<sup>th</sup> IEEE Power India International Conference (PIICON) 2014, pp 1 – 5, Publisher: IEEE, DOI: <http://dx.doi.org/10.1109/POWERI.2014.7117641>.
43. **A. S. Siddiqui**, M. T. Khan, F. Iqbal, "A Novel Approach to Determine Optimal Location of TCSC for Congestion Management", Proceedings of 6<sup>th</sup> IEEE Power India International Conference (PIICON) 2014, pp 1 – 6, Publisher: IEEE, DOI: <http://dx.doi.org/10.1109/POWERI.2014.7117640>.

44. **Anwar S Siddiqui**, Tanmoy Deb, Manisha Rani, "Comparative Analysis of STATCOM & SVC in Voltage Stability Improvement", IEEE National Conference on Energy, Power & Intelligent Control Systems, held at Galgotia College of Engineering & Technology, Greater Noida, March 28 – 29, 2014.
45. **Anwar S Siddiqui**, Tanmoy Deb, "Voltage Stability Improvement in Transmission Lines using STATCOM in Deregulated Electricity Markets", National Conference on Recent Trends in Generation & Application of Microwave in Industries & Service Sector held at RKG Institute of Technology, Gaziabad, UP, JFebruary 14 – 15, 2014, pp. 101 – 103.
46. Abdullah Umar, **Anwar Shahzad Siddiqui**, Naqui Anwer, 'Security Challenges in realizing smart grid : An Overview and Issues', 2<sup>nd</sup> International Conference on Emerginmg Trends in Computer Science and Information Technology (ITETCSIT-2014), Al-Falah University, Faridabad, India, 17<sup>th</sup> April 2014.
47. **Anwar S Siddiqui**, Naqui anwer, Abdullah Umar, "Reducing Parametric Limitations of Transmission Lines Using Series FACTS Controllers", IEEE sponsored National Conference on Energy, Power, and Intelligent Control Systems, Galgotia College of Engineering and Technology, Greater Noida, UP, 28 – 29 March 2014 (paper Id. 332).
48. **Anwar S Siddiqui**, Tanmoy Deb, Manisha Rani, "Enhancement of Power Flow in Congested Transmission Lines using Thyristor Controlled Phase Angle Shifter", International Conference on Innovative Trends in Electrical, Power Control, Electronics and Communication Engineering (EPCECE-2014), held at Jawaharlal Nehru University (JNU), New Delhi-110067, January 18 – 19, 2014.
49. **Anwar S Siddiqui**, Manisha Rani, Tanmoy Deb, "Maximum Power Transfer Capability of UPFC: An Adaptive Gravitational Search Algorithm", International Conference on Innovative Trends in Electrical, Power Control, Electronics and Communication Engineering (EPCECE-2014), held at Jawaharlal Nehru University (JNU), New Delhi-110067, January 18 – 19, 2014.
50. Abrar Ahmad, **Dr Anwar Shahzad Siddiqui**, Ahmed Sharique Anees, "Energy Issues and Renewable Energy Quotient of India", proceedings of National Conference on Recent Developments in Control, Automation and Power Engineering (RDCAPE 2013) held at Amity University, U.P. India during 21-23 February 2013.
51. **A. S Siddiqui**, Tanmoy Deb, "Improvement of Voltage Profile using Static Var Compensator", National Conference on Recent Development in Control, Automation & Power Engineering, held at Amity University, Noida, February 21 – 22, 2013, pp. 17 – 20.
52. **A. S. Siddiqui**, S. Khan, S. Ahsan, M. I. Khan, Annamalai, "Application of phase shifting transformer in Indian Network", IEEE International Conference on Green Technologies, (ICGT), 2012, Trivandrum, Kerala, India, 18-20 Dec. 2012, pp 186 – 191, IEEE Xplore, DOI: 10.1109/ICGT.2012.6477970, ICGT-2012.
53. N. Anwer, **A. S. Siddiqui**, A. Umar, "Analysis of UPFC, SSSC with and without POD in congestion management of transmission system", Proceedings of IEEE 5<sup>th</sup> International Conference on Power Electronics (IICPE), 2012, pp 1-6, Publisher: IEEE, DOI:10.1109/IICPE.2012.6450489.
54. Abrar Ahmad, **Anwer Shahzad Siddiqui**, Ahmad Shariq Anees, Majid Jamil "Techno-Economic Analysis of standalone solar fed AC Vs DC system", SOLARIS-2012, IIT-BHU, Varanasi – India, 7-9 February 2012
55. Abrar Ahmad, **Anwar Shahzad Siddiqui**, Ahmed Anees, Naqui Anwer, "Per Capita Generation through SPV: feasibility and prospects in India", 2012 IEEE Fifth India International Conference on Power Electronics (IICPE 2012), Delhi Technological University, Delhi, India, December 6-8, 2012.
56. S. Ahsan, **A. S. Siddiqui**, S. Khan, Reactive power compensation for integration of wind power in a distribution network, IEEE 5<sup>th</sup> International Conference on Power Electronics (IICPE), 2012, Delhi, India, December 6-8, 2012, pp. 1-4, IEEE Xplore, DOI:10.1109/IICPE.2012.6450465.
57. **A. S. Siddiqui**, R. Jain, M. Jamil, C. P. Gupta, "LMP technique for locating series FACTS device (TCSC) for social welfare benefite in deregulated electricity market, Proceedings of IEEE 5<sup>th</sup> International Conference on Power Electronics (IICPE), 2012, Delhi, India, December 6-8, 2012, pp 1-6, Publisher: IEEE, DOI:10.1109/IICPE.2012.6450436.
58. M. Sarwar, Z. A. Jaffery, **A. S. Siddiqui**, I. A. Quadri, Techno-economic feasibility of HVDS concept for distribution feeder power loss minimisation, , IEEE 5<sup>th</sup> International Conference on Power Electronics (IICPE), 2012, Delhi, India, December 6-8, 2012, pp. 1-4, IEEE Xplore, DOI:10.1109/IICPE.2012.6450376.
59. Tanmoy Deb, **A S Siddiqui**, "FACTS Based Congestion Management in Power Grids under De-regulated Environment", National Conference on Recent Trends in Electrical Engineering, held at SVNIT, Surat, March 22 – 23, 2012.

60. Abrar Ahmad, **A. S. Siddiqui**, A. S. Anees, Majid Jamil, Techno–Economic Analysis of Standalone Solar Fed AC Vs DC System', SOLARIS-2012, Varanasi, India, 7-9 Feb 2012.
61. Rashmi Jain, **Anwar S Siddiqui**, Majid Jamil, C P Gupta, and Ruchi Makein, "Genetic Programming for Congestion management using FACTS Devices", National Electricrical Engineering Conference (NEEC-2011), Delhi Technical University, Delhi, December 16 - 17, 2011.
62. Kavita Singh, **Anwar S Siddiqui**, 'Design of a Fuzzy Controller for an Inverted Pendulum', Proceedings of National Conference on Power, Instrumentation, Energy and Control (PiCON-2011), ISBN: 978-93-80510-95-8, p.p. 204-207 AMU, Aligarh, India, 12 – 13 Feb 2011.
63. Rashmi Jain, Manisha Gupta, **Anwar S Siddiqui**, Majid Jamil and C P Gupta, 'Dynamic Analysis of Two Machine System Using UPFC', Proceedings of National Conference on Power, Instrumentation, Energy and Control (PiCON-2011), ISBN: 978-93-80510-95-8, p.p. 77-84, AMU, Aligarh, India, 12 – 13 Feb 2011.
64. **Anwar Shahzad Siddiqui**, Sheeraz Kirmani, Farrukh Rahman, 'Optimal Capacitor Placement in Distribution System using Fuzzy Techniques', ACEEE International Conference on Advances in Mechanical Engineering- AME 2010, ISBN 978-81-910691-1-2 held in Trivandrum, Kerala, India, during Dec 21-22 2010, <http://searchdl.org/public/conference/2010/AME/30.pdf> .
65. Rashmi Jain, **A S Siddiqui**, Sonia Bansal, Majid Jamil, C P Gupta, 'Static Var Compensator Controller Design Using Genetic Algorithm', International conference on Electrical Power and Energy Systems, August 26-28, 2010, NIIT, Bhopal (M.P.) 462051.
66. Rashmi Jain, C P Gupta, Majid Jamil, **A S Siddiqui**, 'Analytical Analysis of SVC Model', International Conference on Computer Applications in Electrical Engineering-Recent Advances, IIT Roorkee, (Uttarakhand) India, February, 19 – 21, 2010.
67. Asarpota, Namrata C., **Siddiqui, Anwar S.**, 'Network-based Control Systems', National Conference on Power Electronics and Intelligent Control – 2007 (NCPEIC-07), MNIT, Jaipur, India, March 17 – 18, 2007.
68. **Siddiqui, Anwar S.**, Vadivel S., 'Enterprise Resource Planning (ERP): An Introduction', National Conference on Computing for National Development (INDIACom-2007), Computer Society of India, New Delhi, India, February 23 – 24, 2007.
69. Khalil, Javed, Siddiqui, Anwar S, 'Design of Fuzzy Logic Controller for Adaptive Equalization of Sound Using Fletcher-Manson Contours', National Conference on Innovation in Communication and Computing (NCICC 2007), Coimbatore, India, 24 January 2007.
70. Moin Uddin, **A. S. Siddiqui**, "A Fuzzy Logic Based Language Identifier", National Seminar on Information Technology & Education: Vision & Prospects, Institute of Advanced Studies in Education, MJP Rohilkhand University, Barielly, p.p. 43 – 59, February 3 – 5, 2001.
71. **A. S. Siddiqui**, Moinuddin, M. A. Khan, "FRACTAL IMAGE COMPRESSION" 'National Conference on Biomedical Engineering", Roorkee University, Roorkee, pp. 134 –138, India, April 21-22, 2000.
72. **A. S. Siddiqui**, Moinuddin, M.R.Khan, L. Subramaniam "An Improved Language Identification Approach Using ANN ", National Communication Conference (NCC'2000), Department of Electrical Engineering, IIT Delhi, p.p. 368 -372, Jan. 28 - 30, 2000.
73. **A. S. Siddiqui**, S. Akhter Imam, Moinuddin, E. Husain " Protective Grounding – A Practical Approach", 'Symposium on Electricity Distribution in the Developing Countries, Central Board of Irrigation and Power & Society of Power Engineers (India), New Delhi, p.p. 214 - 222, January 20 – 21, 2000.
74. **A. S. Siddiqui**, Moinuddin, L. Subramaniam, P. K. Saxena "A Neural Network Based Language Identifier" 5TH International Conference on Cognitive Systems" National Institute of Information Technology (NIIT), New Delhi, p.p. 9, Dec. 15 – 18, 1999.
75. **A. S. Siddiqui**, Moinuddin "Fractal Image Compression" accepted for the lecture presentation and publication in the proceedings of 'Eleventh IASTED International Conference on Parallel and Distributed Computing and Systems PDCS'99' held at Cambridge, Massachusetts Institute of Technology (MIT), USA during November 3 – 6, 1999.
76. Moinuddin, Siddiqui A. S., Sharma A. K., Gupta J. P. "A Fuzzy Rule Based Controller For Magnetic Levitation System (MAGLEV)" 'National Conference on Fuzzy Logic and Neural Networks Applications in Electrical Engineering (FANATIC – 99)', Warangal, Andhra Pradesh, p.p. 29-33, September 24-25, 1999.
77. Moinuddin, **Siddiqui A. S.**, Sharma A. K., Gupta J. P., "A Multi-level Fuzzy Rule Based Control Strategy for Maglev System", 8th European Conference EPE'99 on Power Electronics and Applications, Lausanne (Switzerland), September 7 – 9, 1999.
78. Moinuddin, **A. S. Siddiqui**, "Performance evaluation of a magnetic levitation system", National Symposium & Exposition on Modern Instrumentation - Challenges & Visions (MICV – 98), Department of

Electronics & Communication, A. M. U., Aligarh, p.p. 26 – 34, Feb. 27– 28, 1999.

79. **A. S. Siddiqui**, Moinuddin, M. R. Khan "Neural Networks for Hand-written Character Recognition ", National Communication Conference (NCC-99), Department of Electronics & Electrical Communication Engineering, Indian Institute of Technology, Khargpur, p.p. 275 - 281, Jan. 29 - 31, 1999.
80. **A. S. Siddiqui**, Moinuddin, E. Husain, "Equipment Grounding – A Practical approach", IEEE conference on 'Application of Computers, Electronics and Electrical Engineering in Petroleum Chemical Industries (CEEPCI – 98)' Gujarat, p.p. 68 – 71, Dec. 22-25, 1998.
81. **A. S. Siddiqui**, Moinuddin, M. R. Khan "Artificial Neural Networks – A Key to Artificial Intelligence", International Conference on Cognitive Systems (ICCS'98), National Institute of Information Technology (NIIT), New Delhi – 110 016, p.p. 53 – 61, Dec. 13 – 15, 1998.
82. **A. S. Siddiqui**, Moinuddin, Mohd. Alim Uddin, Arif Siddiqui "Fractal Coding of Still Images", International Conference on Cognitive Systems (ICCS'98), National Institute of Information Technology (NIIT), New Delhi – 110 016, p.p. 23 – 28, Dec. 13 – 15, 1998.
83. **A. S. Siddiqui**, Moinuddin, M. R. Khan "Neural Networks application in Hand-written Character Recognition ", International Conference on Cognitive Systems (ICCS'98), National Institute of Information Technology (NIIT), New Delhi – 110 016, p.p. 72 – 76, Dec. 13 – 15, 1998.
84. M. T. Beg, Moinuddin, **A. S. Siddiqui**, "Information Infrastructure in developing Countries", Proceedings of 49th FID Conference & Congress on 'Towards the New Information Society of Tomorrow: Innovations, Challenges and Impact', International Federation for Information and Documentation, Jaipur & New Delhi, p.p. I-32 – 39, October 11 – 17, 1998.
85. Moinuddin, **A. S. Siddiqui**, " Optical Character recognition using Neural Networks", Proceedings of the 33rd Annual convention of the computer society of India, New Delhi, India, p.p. 313 – 321, September 16 – 20, 1998.
86. Moinuddin, **A. S. Siddiqui**, Ibraheem, 'Neural Networks application in Optical Character Recognition', Proceedings of the National Conference on Biomedical Engineering, Manipal Institute of Technology, Manipal, pp v-9 – 11, April 9 - 11, 1998.
87. **Siddiqui, A.S.**, Moinuddin, Ibraheem, 'Neural networks in semiconductor manufacturing process, Proceedings of SPIE - The International Society for Optical Engineering, , **ISSN:** 0277786X, Volume 3316, Issue 2, 1998, Pages 1259-1262, **Publisher:** SPIE,Bellingham, WA, United States
88. Abdul Quaiyum Ansari, Moinuddin, **A. S. Siddiqui**, "Artificial Neural Network (ANN) to the Aid of Mobile Radio Communication", International Conference on Cognitive Systems (ICCS'97), National Institute of Information Technology (NIIT), New Delhi – 110 016, p.p. 644 – 653, Dec. 13 – 15, 1997.

## CONFERENCE PARTICIPATIONS

### **Member, Technical Program Committee:**

1. 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.
2. International Conference on 'Contemporary Computing and Applications (ICCCA 2020)', Lucknow, U.P., India, 05 – 07 February 2020.
3. 6<sup>th</sup> IEEE International Conference on Signal Processing and Integrated Networks (SPIN 2019) held on 7- 8 March, 2019 at Amity University, Noida- Delhi NCR, India.
4. 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.
5. 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.



6. 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.
7. 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.
8. International Conference on Additive Manufacturing and 3D Printing', Vel Tech University and ESCI - The Institution of Engineers (India) Chennai, India, 5 -7 February, 2015.
9. National Conference on 'Advances in Mechanical Engineering (AIME-2006)' Mechanical Engineering Department, FET, Jamia Millia Islamia, New Delhi, India, January 20 – 21 2006.
10. 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:

1. 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.
2. International conference on ' Smart Cities - Opportunities & Challenges' organized by Department of Civil Engineering, JMI, New Delhi during March 14 – 16, 2019.
3. 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.
4. 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.
5. 12<sup>th</sup> IEEE International Conference (INDICON 2015) on Electronics, Energy, Environment, Communication, Computer, Control (E3 – C3), Jamia Millia Islamia, New Delhi, India, 17 – 20 December 2015.

### Invited Talks/Expert Lectures:

1. **"Phasor Measurement Unit (PMU) and Wide Area Monitoring System (WAMS)"** in POSOCO Ltd Load Dispatchers Training & Certification program on SCADA basics on 31<sup>st</sup> January 2018 organized by SCADA & Smart Grid Technologies Lab, Department of Electrical Engineering, Jamia Millia Islamia, New Delhi.
2. **"Automation in Modern Power System Operation and Control"** in TEQIP III Sponsored Faculty Development Program on Intelligent Management of Renewable Energy Technologies on 20<sup>th</sup> January, 2018 at YMCA University of Science and Technology, Faridabad.
3. Plenary Talk on **"Automation in Modern Power System Operation and Control"** in 2<sup>nd</sup> International Conference on 'Recent Developments in Control, Automation and Power Engineering (RDCAPE-2017)' held on 26 – 27 October, 2017 at Amity University, Uttar Pradesh.
4. **'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.
5. **'Applications of SCADA in Power Systems'** at Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, India on 30<sup>th</sup> May 2016.
6. **'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 9<sup>th</sup> November 2016.

7. 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.
8. Invited to be an **honourable speaker** at 1<sup>st</sup> International Conference on Smart Grid Technologies on the theme "**Digitizing Power through Smart Grid Usage**" in Smart Grid Convention 2017, Singapore.
9. '**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 31<sup>st</sup> March 2016.
10. '**Artificial Intelligence**' on 27<sup>th</sup> February 2015, in Faculty Development Programme on 'Mechatronics & Robotics in Manufacturing Industries, organized during 27<sup>th</sup> February – 12<sup>th</sup> March, 2015 by Mechanical Engineering Department, F/O Engg. & Tech., Jamia Millia Islamia.

### Academic Activities:

1. **Member, Advisory Committee**, International Conference on Science, Technology and Sustainability-2022 (ICSTS-2022), organised by MMANTC, Malegaon-423203, Nashik (India), 05 – 06 November 2022.
2. **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.
3. **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).
4. **Member, Advisory Committee**, IEEE PES cosponsored International Conference on Smart Electric Drives and Power System (ICSEDPS-2018) to be held from Jun 12<sup>th</sup> to Jun 13<sup>th</sup>, 2018 in G H Raison College of Engineering Nagpur.
5. **Member, Departmental Research Committee**, PhD Scholars, Amity School of Engineering & Technology, Amity University, Noida, UP – 2013131, India.
6. **Member, Faculty Committee**, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
7. Invited as an expert by **YMCA University of Science & Technology, Faridabad for NBA Mock visit** conducted on 21<sup>st</sup> November, 2017.
8. **Appointed 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).
9. Invited as an expert by **NIT Kurukshetra for NBA Mock visit cum training program** conducted on 10<sup>th</sup> – 11<sup>th</sup> October, 2017.
10. **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
11. **Member, Editorial Board**, Advances in Engineering: an International Journal (ADEIJ), [adeijjournal@airccse.com](mailto:adeijjournal@airccse.com), AIRCC Publishing Corporation, No.25 HIG II, 2nd Cross Street, Mogappair West, Chennai, Tamil Nadu, India 600 037.
12. **Editor**, International referred Journal Electrical & Electronic Technology Open Access Journal (EETOAJ), MedCrave Group, [medcraveonline.com](http://medcraveonline.com), Danforth Rd., Edmond, Oklahoma 73003, , United States.
13. **Editorial Advisory Board Member**, Journals and Books published by IGI Global publishers, Hershey, Pennsylvania (USA).
14. **Member, Selection Committee**, Students for M.Tech. (Renewable Energy Engineering and Management, REEM), TERI University, Vasant Kunj, New Delhi – 110070, India, held on 4<sup>th</sup> July 2017.

15. **Invited Reviewer**, International Journal of Electrical Power and Energy Systems, (Elsevier Publication) by Innocent Mamwa, Associate Editor.
16. 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.
17. 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.
18. **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>
19. **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.
20. Reviewed the syllabus for course BEEL405: FLEXIBLE AC TRANSMISSION SYSTEMS, of G. H. Raisoni College of Engineering (GHRCE), Nagpur on the request of Dr. P. M. Daigavane, HoD Electrical.
21. 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.
22. 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**'.
23. 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>)
24. 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 2<sup>nd</sup> & 3<sup>th</sup> April, 2016.
25. 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.
26. **Technical Program Track Chair** (track 2: Energy & Power), 12<sup>th</sup> IEEE International Conference (INDICON 2015): Electronics, Energy, Environment, Communication, Computer, Control (E<sup>3</sup> – C<sup>3</sup>), held during 17 – 20 December 2015 at Jamia Millia Islamia, New Delhi, INDIA.

### Administrative Activities:

1. Vice Chancellor JMI nominated **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.
2. Appointed **VC's nominee** for screening committee for the post of Technical Assistant, Center for Physiotherapy and Rehabilitation Sciences, JMI.
3. Nominated by the Vice Chancellor Office as **member of the Building Committee, JMI** .
4. Appointed **Chairman, Technical Committee** to formalize the specifications of the EPABX System of Jamia Millia Islamia.
5. **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.

6. **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.
7. **Assistant Superintendent of Entrance Tests - 2016** for B. Tech. / B.E. / M. Tech Programs, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
8. Appointed as **OBSERVER for UGC NET** examination (held on 10<sup>th</sup> July 2016) by the competent authority of MHRD, India.
9. **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.
10. **Member Organizing Committee** of one day National Convention 'Education at Crossroads' on 3<sup>rd</sup> March 2015 organized by Jamia Teachers Association.
11. **Assistant Superintendent of Entrance Tests - 2015** for B. Tech. / B.E. / M. Tech Programs, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
12. **Executive Member, Jamia Teacher's Association - 2015**, Jamia Millia Islamia, New Delhi-110025.
13. **Senior Warden, Shafiqur Rehman Kidwai (SRK) and Obaidullah Sindhi Hostels of Hall of Boys' Residence**, Jamia Millia Islamia, New Delhi-110025.

### **Member, Board of Studies:**

1. Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025.
2. Department of Electrical Engineering, GLA University, Mathura, UP, India.
3. Renewable Energy Engineering and Management (REEM) of Department of Energy & Engineering, TERI School of Advanced Studies (earlier TERI University).
4. Department of Electrical Engineering, YMCA University of Science & Technology, Faridabad, Haryana, India.
5. Department of Electrical & Electronics Engineering, Amity School of Engineering & Technology, Amity University, Noida, UP – 2013131, India.