

Curriculum Vitae

Dr. Majid Jamil
Professor and Former Head,
Department of Electrical Engineering,
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Dr. Majid Jamil is Professor of Electrical Engineering at Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi since January 2010. **He was Head of the Department of Electrical Engineering from 2014 to 2017.** He joined the Department as a lecturer in 1992. **Dr. Jamil has also served as Assistant Professor at BITS-Pilani, Dubai Campus, U.A.E from 2003 to 2006.**

Dr. Jamil has published more than 200 research papers in SCI, SCOPUS and other refereed journals and conferences. **Eighteen PhDs and forty nine M. Tech. Dissertation thesis** have been awarded under the supervision of Dr. Jamil. Presently he is supervising 4 Phd Scholars. He is the author of text book **“Grid Integration of Solar Photovoltaic Systems, CRC Press, Taylor and Francis, USA** and edited three books and wrote several book chapters. Recent edited book is **Smart Energy Management Systems and Renewable Energy Resources, AIP Publishing, USA.** He also Co0-Authored one book entitled **ENERGY SCIENCE & ENGINEERING published by AICTE in 2023 as a part of AICTE Scheme on Technical Book Writings in reginal languages.** **He has been acted as a Reviewer of text book on Basic Electrical Engineering, published by AICTE, Government of India on a scheme of Technical Book Writing in Regional Languages.**

Prof. Majid Jamil is a recipient of MHRD Fellowship for Leadership for Academicians Program (LeAP) in Higher Education funded by Govt. of India. He successfully completed three week Program, two weeks domestic at JMI and one week foreign at University of Viginia US in March, 2019. **IEI NMLC-FCRIT Excellence award-2022 in recognition for excellence in Teaching Faculty National Category awarded by The Institute of Engineers (India).** **Teacher Excellence Award-2021**for outstanding contribution in the field of education awarded by Shikshak Kalyan Foundation on the occasion of Birth Anniversary of Dr. Sarvpalli Radhakrishnan. Prof. Jamil also received the achievement award **“RULA RESEARCH RATNA AWARDS 2019”,** for “Excellent work in Power Systems and Energy” awarded by, “RULA Awards” Powered by, “World Research Council” & “United Medical Council”. **National Distinguished Researcher Award 2021** instituted by the International Institute of Organized Research, I2OR. Received **Outstanding Scientist award-2021** from VDGGOOD Technology Factory, Trivandrum, India. Received **AMPS’S 5th National Award for Excellence in Education 2021** in recognition of outstanding services in the field of education and invaluable contribution to the society at large.

Dr. Jamil is an **International Co-Principal Investigator** in the sponsored research funded by **Ministry of Education, Kingdom of Saudi Arabia of SAR 606744.00** for two years 2020-22. Project is to be executed at Department of Electrical Engineering, College of Engineering, Qassim University, Buraydah, Saudi Arabia. He had acted as a technical consultant for a project on Electrical Protection, Automation and Control System of dynamic façade for the Indian Pavilion at world expo 2020 Dubai, UAE.

Prof. Jamil organized a Brain storming session on **New Education Policy-2015** at JMI on 13 June 2019

During Headship, Prof. Jamil has motivated colleagues and students to improve the research atmosphere in the Department. A good number of academic activities are organized during this period. **He established a QIP research Centre at the Department in JMI.** He received grant of more than Rs. 30 million from different government agencies. Received grant under Visvesvaraya Ph.D Scholarships scheme of Department of Electronics & IT for full time Ph.D. Scholars in 2015. Department organized very successful IEEE INDICON International Conference in December 2015 in which around 800 papers were presented and published. One national conference, three GIAN Programmes, two curriculum revision workshops and one Faculty Development Programme apart from several talks from Alumni and memorial lectures have also been organized during his tenure of headship 2014-17.

Dr Jamil has done extensive research in the area of Power Protection, Solar PV Systems, Petri nets, fuzzy logic, IEC 61850 and Digital Substations. He has successfully completed three research projects as Principal Investigators and is the Coordinator of SAP. Dr. Jamil has established Power System Research Lab, Switchgear & Protection lab, Circuit Theory lab and Electrical Machines Lab at Department of Electrical Engineering, JMI.

Prof. Jamil is **Fellow of Institute of Engineers and IETE, Sr. Member of IEEE**, IEEE Power Engineering Society and life member of ISTE, ICTP, AMP, VDGOD Professional Association, India and Systems Society of India. Prof. Majid Jamil has also served as President of Jamia Engineering Alumni association, JEAA from 1992 to 2002. He has been elected Secretary (2018-2020) and President (2020-2022) of Jamia Teachers Association and organized a number of Academic, Social and Cultural activities during his tenure including a grand **Multidisciplinary international conference** on the occasion of Centenary Celebrations of the university.

Curriculum Vitae

1	Name	Dr. Majid Jamil
2	Designation	Professor
3	Experience	31 Years Teaching & Research Experience. Eleven years as a Professor
4	Official Address	Department of Electrical Engineering Faculty of Engineering & Technology JamiaMillia Islamia, New Delhi-110025
5	Correspondence Address	B-111, Jamia Enclave Jamia Nagar, Okhla, New Delhi-110025
6	Phone Number	0091-9313462108, 0091- 9911949721
7	Email Id	mjamil@jmi.ac.in , majidjamil@hotmail.com
8	Date of Birth	9 th April 1967
8	Nationality	Indian

Academic Qualifications:

S. No	Degree	Specialization	Institute	Year
1	Ph.D. (Electrical Engineering)	Intelligent Protection of Transmission Lines using Fuzzy Logic	JMI, Delhi	2001
2	M. Sc. Engineering	Power Systems & Drives	A M U, Aligarh	1992
3	B. Sc. Engineering	Electrical Engineering	JMI Delhi	1989

Academic/Teaching Experience:

S. No.	Post held	Institution/University	Duration		Experience (In Years and Months)
			From (Date)	To (Date)	
1	Professor	Department of Electrical Engineering, JMI	January 2010	Till date	11 Years as Professor and over 29 Years Teaching & Research
2	Associate Professor/ Reader	Department of Electrical Engineering, JMI	2002	2009	8 yrs
3	Assistant Professor	BITS Pilani, Dubai Campus, UAE	2003	2006	3 Yrs
4	Lecturer	Dept. of Electrical Engineering, JMI	1992	2002	9 Yrs

Academic/ Administrative Responsibilities:

S. No.	Post	Institution/University	Duration		Experience
			From (Date)	To (Date)	
(1)	Chairman, Board of Studies, etc.	Department of Electrical Engineering, JMI	May 2014	May 2017	3 Years
(2)	Head of the Department/Centre, etc.	Department of Electrical Engineering, JMI	May 2014	May 2017	3 Years
(3)	University Training & Placement Officer	Jamia Millia Islamia, New Delhi	2011	2012	1 Years
(4)	Senior Warden Boys' Hostel	Jamia Millia Islamia, New Delhi	1993	2001	5 Years
(5)	UGC Nominee, Board of Governors.	Guru Nanak Dev Engineering College, Ludhiana, Punjab,	2014	2019	5 Years
(6)	Member University Court	Jamia Millia Islamia, New Delhi	2016	2017	One Year
(7)	Member, Executive Council	Jamia Millia Islamia	August 2018	March 2019	9 Months
(8)	Member, Academic Council	Jamia Millia Islamia	May 2014	May 2017 & 2021-till date	5 Years
(9)	Member, Faculty Committee	Jamia Millia Islamia, New Delhi	2008	Till date	
(10)	University Coordinator, QIP	Jamia Millia Islamia, New Delhi	2015	Till date	
(11)	Expert Selection Committees	AMU, MANUU, MITS, Gwalior, IIT Delhi, Staff Selection Board, Pant University, MEC	2012	Till date	
(12)	AICTE representative in the Expert Committee of UGC	Visited Tantia University, Shri Ganga Nagar, Rajasthan	2016		
(13)	Expert committee of Internal Promotion	MEC. Haryana.	2017	Till date	

(14)	External Member of Academic Advisory Committee (AAC),	MEC, Nuh, Haryana	2017	Till date	
(15)	Member Interview Board,	UPSC, New Delhi	2014	2016	2 Years
(16)	Superintendent Examiner	Entrance Tests, JMI	2006	2018	12 Years
(17)	Coordinator, SAP,	Department of Elect. Engg., JMI	2016	2018	2 Years
(18)	Chairman, Counting of Past Service Committee	Jamia Millia Islamia, New Delhi	2014	016	2 Years
(19)	Member of the committee for better resource utilization.	Jamia Millia Islamia, New Delhi	1998	1999	1Years
(20)	Member, Central, Purchase Committee	Jamia Millia Islamia, New Delhi	2014	2016	2 Years
(21)	Member, Establishment Committee	Jamia Millia Islamia, New Delhi	2018	2020	2 Years
(22)	Member, House allotment committee	Jamia Millia Islamia, New Delhi	2018	2020	2 Years
(23)	Incharge, Labs	BITS-Piani, Dubai Campus	2004	2006	2 Years
(24)	Incharge, Power System Lab	Department of Electrical Engineering, JMI	1994 2006	2002 Till date	22 Years
(25)	President, Jamia Engineering Alumni Association	Jamia Millia Islamia, New Delhi	1990	2002	12 Years
(26)	Member of the Board of Studies,	Department of Electrical Engineering, JMI	1995	Till date	22 Years
(27)	External BOS Member,	Department of Elect. Engg. YMCA University of Science & Technology, Faridabad	2019	Till date	2 Years

	External BOS Member	Department of Electrical Engineering, AMU, Aligarh	2015	2018	3 Years
	External BOS Member	Department of Electrical Engineering, NIT, Srinagar	2013	2016	3 Years
	External BOS Member	Deptt. of Electrical Engineering, Baba Ghula Shah, University, Rajhori, J&K.	2012	2014	2 Years
	External BOS Member	Deptt. of Elect. Engg, DTU, Delhi	2014	2017	3 Years
	External BOS Member	Department of Economics, JMI	2015	2018	3 Years

Contributions in the Department as Head (2014-2017)

- Established a prestigious AICTE sponsored Research Program, Quality Improvement Programme , QIP at Department of Electrical Engineering, JMI in 2015. At present six Ph.D. students are registered in the scheme.
- Introduced Visvesvarya Ph.D Scholarships scheme of Department of Electronics & IT, Govt. of India for full time and part time Ph.D. Scholars in 2016.
- Received grant of more than Rs. 30 millions from different government agencies including FIST programme of DST, Govt. of India in 2016.
- Presented Department profile during NACC visit in 2014.
- Organized successfully IEEE INDICON International Conference in December 2015. 800 papers were presented and published in the conference and on IEEE explorer. 100 plus SCOPUS indexed paper are published from the Department. Faculty of Engineering, JMI got best national rank in 2016.
- Organized one National Conference in 2015. 300 pus papers are published in the proceeding of the conference.
- Organized three GIAN Programmes during 2014-2017.
- Organized two curriculum revision workshops and one Faculty Development Programme in 2016-17. Choice based credit system; CBCS is introduced in the curriculum.
- Introduced Alumni chapter and organized weekly Alumni lecture series. Alumni from industries delivered 29 lectures during two years.
- Special internship programme during summer vacations for the students was conducted successfully for three years.
- Special attention was given to placement of students. A large number of students are placed in reputed core companies during three year tenure.

- A research atmosphere is created in the department. Regular monitoring of research scholars through biometric was established.
- GATE Coaching for B. Tech. and M. Tech. students was started in the department.
- A special training programme is conducted for Non teaching and lab staff of the Department during 7-15 May 2015 with the collaboration of IIT Delhi.
- Resources were generated to provide scholarships to meritorious and needy students. More than 80 students are benefited during three years time.
- A number of new experiments were introduced in different laboratories.
- New labs and faculty rooms are constructed. One committee room and one Research scholar's room were created within the available space.

Contributions as University Training and Placement Officer (2011-12)

- Re-accreditation of Jamia Millia Islamia to a higher level with Tata Consultancy Services, TCS in 2011.
- Organized an International Jamia Engineering Faculty **Alumni Meet** at Ashoka Hotel in 2012. A large number of Alumni participated in the event with Delhi Chief Minister Mrs. Shila Dixit as Chief Guest.
- Boosted University Placement by Introducing **Practice School** in faculty of Engineering.
- Large number of Companies visited campus and recruited students.

Contributions as President Alumni Association (1992-2002)

Established Jamia Engineering Alumni Association, JEAA in 1992 and continued as President till 2002. Membership of the association is raised to 1500. With an objective to strengthen their engagement with the Institute, a number of programmes were arranged to sustain engagement with alumni and Corporations as active partners in the Institute's pursuit of excellence.

Countries visited:

USA
UK
Australia,
UAE and
Saudi Arabia

Awards:

S. No	Name of ward	Awarding Organization	Year
1	MHRD Fellowship for Leadership for Academicians Program (LeAP) in Higher Education	MHRD, Govt. of India	2019
2	IEI- NMLC-FCRIT Excellence award-2022 in recognition for excellence in Teaching Faculty National Category	The Institute of Engineers (India)	2022
3	Teacher Excellence Award-2021 for outstanding contribution in the field of education	Shikshak Kalyan Foundation on the occasion of Birth Anniversary of Dr. Sarvpalli Radhakrishnan	2021
4	National Distinguished Researcher Award 2021.	International Institute of Organized Research, I2OR	2021
6	Outstanding Scientist award-2021	VDGOOD Technology Factory, Trivandrum, India. Received AMPS'S 5 th National	2021
7	AMPS'S 5 th National Award for Excellence in Education 2021 in recognition of outstanding services in the field of education and invaluable contribution to the society at large.	Association of Muslim Professionals	2021
8	RULA RESEARCH RATNA AWARDS 2019", for "Excellent work in Power Systems and Energy"	World Research Council & United Medical Council	2019
9	Best Paper award in an international conference	World Congress on Engineering and Computer Science WCECS 2009, University of California, Berkeley, San Francisco, USA	2009
10	Best Paper award in an international conference	IEEE INDICON-2015, JMI	2015
11	Best Paper award in a national conference	ETEEE, 2015, JMI	2015
12	Best Paper award in an international conference	JTACON2020	2020

Number of PhDs Guided: 18

S. No.	Name of PhD Scholar	Role	Title	Status
1	Mohini Yadav	Supervisor	Development of Control Algorithms and Hardware Implementation of Energy Management and Demand Response Applications	Submitted April 2023
2	Abdul Azeem	Supervisor	Real Time Analysis of IEC-61850 Based Digital Substation Using Artificial Intelligence	Submitted January 2023
3	Arjun Baliyan	Supervisor	Intelligent Energy Management for Smart Building with Renewable Energy Sources	Awarded 2022
4	Shamshad Ali	Supervisor	Impacts of Different Levels of PV Penetration on Grid and Power Quality Analysis.	Awarded 2021
5	Mohammad Zeeshan	Supervisor	Intelligent Control of Microgrid	Awarded 2021
6	Anirudh Dubey	Supervisor	Analysis of Photovoltaic System Integration into Distribution Grid	Awarded 2020
7	Iram Akhtar	Co supervisor	Integration of Renewable Energy Sources in Microgrid with Power Quality Improvement features,	Awarded 2020
8	Md. Ehteasham	Supervisor	Control Strategies for PV System Integration I n Distribution System.	Awarded 2019
9	Ahmad Shariq Aneees	Supervisor	Integration of Renewable Energy Sources and Grid Management.	Awarded 2016
10	Amit Sharma	Supervisor	Electrical Distribution System Restoration Using Intelligent Techniques.	Awarded 2016
11	Rajveer Singh	Supervisor	Fault Identification in Power Systems using soft computing techniques.	Awarded 2015
12	Sanjeev Kumar Sharma	Supervisor	Fault Detection and Identification of Three Phase Transmission Systems Using Intelligent Techniques.	Awarded 2015
13	Sheeraz Kirmani	Supervisor	Techno-Economic Feasibility analysis of Solar Energy Based Distribution Generation System.	Awarded 2014

14	Md. Abul Kalam	Supervisor	Intelligent Technique Based Protection Schemes	Awarded 2013
15	Khwaja Mohd. Rafi	Supervisor	Analysis, Modelling and Development of Integrated Renewable Energy System.	Awarded 2013
16	Rashmi Jain	Co supervisor	Electric Power Management Using FACTS— Controllers.	Awarded 2013
17	Mohammad Rizwan	Supervisor	Intelligent Models of Solar Irradiation for— large Scale Power Generation.	Awarded 2010
18	Radha Krishnan	Supervisor	Security issues in IPv6	Awarded 2009

Scholarly Achievements: Books Authored

Activity	Details	Year
Books Authored/ Co-Authored	Energy Science & Engineering published by AICTE in 2023 as a part of AICTE Scheme on Technical Book Writings in regional languages	2023
	Grid Integration of Solar Photovoltaic Systems, CRC Press, (Taylor and Francis Group), USA. ISBN: 13:978-1-4987-9832-7 (Hardback)	2017
Book Edited	Smart Energy Management Systems and Renewable Energy Resources, AIP Publishing, Authors https://doi.org/10.1063/9780735422827	2021
Editorships	Emerging Trends in Electrical and Electronics Engineering”, Excel India Publisher 2015; Vol. I and Vol. II. New Delhi, India, ISBN: 978-93-84869-25-0.	2016
Editorships	Souvenir, JTACON-2020	2020
Book Reviewer	AICTE- Technical Book Writing Scheme for UG	2021
Book Chapters	A Study of Energy Management Techniques for Smart City Applications on Educational Campus, International Conference on Communication, Computing and Electronics Systems, Springer, Lecture Notes in Electrical Engineering, Springer, Singapore, Vol 637, pp 655-665(SCOPUS Indexed)	2021
	Design of Automatic Lighting control for the Built Environment”, Lecture Notes in Smart Cities—Opportunities and Challenges, ICSC, Springer, March 14-16, 2019, (Scopus) 2019, 482002_1_En (4), Vol. 58	2019

Book Chapters	Enabling Technologies for Smart Energy Management in a Residential Sector: A Review”, Lecture Notes in Civil Engineering, Smart Cities—Opportunities and Challenges & Springer Nature 2019, 978-981-15-2544-5, 482002_1_En (2), Vol. 58	2019
	Effective Grid-Connected Solar home -based System for Smart Cities in India in lecture notes in Springer, March 14-16, 2019, ICSC in Jamia Millia Islamia, India.(Scopus)	2019
	A Study of Energy Management Techniques for Smart City Applications on Educational Campus, International Conference on Communication, Computing and Electronics Systems. Lecture Notes in Electrical Engineering, vol 637. Springer, Singapore 2020	2020
	Hajar Bagheri Tolabi, Advances in Electric Power Engineering, Laxmi Book Publication, Solapur-Book, 2015	2015
	Intelligent Models of Solar Energy pp, 83-11,1 ISBN- 978-1-329-06197-2	2014
Peer review for	Reviewed technical papers for various peer review journals and conferences including IEEE INDICON, IEEE ICPIECES, IEEE IICPE, IEEE PICON, NCORM-2020, JTACON2020.	2010-20
Member of the international Advisory Board	Member, Advisory Board in International Conference titled Vision of Solar Energy in the Kingdom of Saudi Arabia, organized by College of Engineering, Qassim University, Saudi Arabia.	
	Member of International Advisory Board in many IEEE International conferences including IEEE-ICPIECES, IEEE-INDICON, IEEE-PICON, IEEE PICON.	
	Actively involved in International collaborative research with College of Engineering, Qassim University, KSA.	

Details of R & D Projects:

Sl. No.	Name of Scheme	Nature of Project	Amount	Duration of Project
1	DST-FIST Programme, Govt. of India.	Research	Rs. 2.03 crores	2016-2020
2	International Co-Principal Investigator in the sponsored research project titled “Investigating Energy Production Degradation of Solar	Research	Saudi Arab Riyals 606744.00	2020-2022

	Photovoltaic Plants Due to Meteorological Parameters and Atmospheric Aerosol Loads in Desert Regions” funded by Ministry of Education, Kingdom of Saudi Arabia of SAR being executed at Department of Electrical Engineering, College of Engineering, Qassim University, Buraydah, Saudi Arabia.			
3	SAP-DRS-II, UGC, Govt. of India	Research	Rs. 68 lacs	2013-2018
4	RPS, AICTE, Govt. of India	Research	Rs. 18.30 lacs	2014 - 2016
5	RPS, AICTE, Govt. of India	Research	Rs. 8.24 lacs	2007-2009
6	AICTE, Govt. of India.	MODROB scheme	Rs 6.00 lacs	2007-2009
7	AICTE, Govt. of India 1995-1998.	MODROB scheme	Rs 5.0 Lacs	1997-1999

Important MoUs formulated for academic collaborations

Sl. No.	MoUs formulated	Name of agencies /Departments involved	Year of MoU (s)
1	To provide various equipments to the Institute for the purposes of demonstration during vocational training or teaching.	Siemens Limited, Worli, Mumbai – 400030 & Department of Electrical Engineering, Jamia Millia Islamia,	2018
2	To Organize international conference	IEEE, India Council And Department of Electrical Engineering, JMI	2015
3	To Organize international conference	IEEE, India Council And Department of Electrical Engineering, JMI	2023

Invited Talks/ Expert Lectures Delivered

S.No	Title of the talk delivered	Conference / Seminar held on Organized	Date
1	Issues with power generation from Wind Power Plant	NPTI, Faridabad,	. December, 2022
2	IEC61850 based digital substation	GNIT, MEC, Nuh, Alflah School of Engineering,	2022
3	FDP organized by Deptt. of Electrical Engineering,	YMCA, Faridabad, 2021	, 2021
4	FDP organized by Deptt. of Electrical Engineering, DTU-2021	FDP Webinar IGNOU, New Delhi,	2020
5	FDP organized by Deptt. of Electrical Engineering, YMCA, Faridabad, 2021	FDP Mewat Engineering College, Nuh,	2019
6	FDP at IGNOU, New Delhi, 11 June 2020.	FDP-2018, JSS, Noida,	2018
7	FDP-2017 at YMCA, Faridabad, 22 January 2018.	FDP-2017 YMCA, Faridabad,	2018
8	FDP-2018 at JSS, Noida, October 2018	MANIPAL Institute of Technology, Jaipur,	2017
9	FDP at Mewat Engineering College, Nuh, Sept.2019.	Academic Staff College, JMI, New Delhi.	2016
10	Grid Connected Solar Power systems	FDP, Deptt of Electrical Engineering, DTU	2015.
11	Applications of Intelligent Techniques in Power Systems	FDP, Deptt of Electrical Engineering, DTU	2014.
12	Solar Energy and its application	FDP Deptt of Electrical Engineering, DTU-	2013.
13	Future Prospects of Renewable Energy in India.	ITS College, Greater Noida	2012
14	Energy Conservation	Academic Staff College, JMI, New Delhi.,	2011, 2010, 2009.
15	Grid Connected Solar Power systems	FDP, Deptt of Electrical Engineering, JMI,	2011
16	Intelligent Protection of Transmission Systems” during.	Summer School at MNIT, Jaipur,	2002
17	Petri Nets and its Application” at MNIT, Jaipur,	Summer School at MNIT, Jaipur,	2001

Scholarly presentation in conferences: International:

Sl. No.	Title of conference or Institution	Title /Subject of presentation	Role	Date
1	11 th All India Educational Conference organized by All India Educational Movement.	National Education Policy 2020- Opportunities & Challenges	Presented the Paper	13 November 2021
	TEQIP-3, International Conference on Renewable Energy Power-2020, AMU, Aligarh	Renewable Energy Power	Session Chair	13-14 July 2020
2	JTA Multidisciplinary International Conference (Organizing Chair), JMI, New Delhi	Delivered Inaugural Address.	Chaired a session and Presented Paper & won best paper award	Feb 2020
3	IEEE-INDICON-2015, New Delhi	Presented a paper on Performance Analysis of Solar Photovoltaic Module	Organizing Chair and Delivered Inaugural Address	Dec 2015
4	An International Hybrid Meeting on Physics and Chemistry of Advanced Materials PCAM-2021, Organized at IIT, Delhi	Participiated	Advisory and Organizing Committee Member	24-27 October 2021
5	World Congress on Engineering and Computer Science WCECS 2009, University of California, Berkeley, San Francisco, USA.	Solving Distribution System Overload Contingency Using Fuzzy Multi-Objective Approach Considering Customer Load Pattern	Chaired a Session Presented Paper, won best paper award	2009
6	11 th IEE International Symposium on High Voltage Engineering, Emperor College, London (UK).	An Improved Scheme Based on Fuzzy Logic for EHV Transmission Line Protection	Presented Paper	1999
7	International conference on Intelligent Systems held in Knowledge Village, Dubai, UAE.	Fuzzy Logic based application for EHV Transmission Line	Chaired a Session Presented Paper	2005

National

Sl. No.	Title of conference or Institution	Role	Date
1	11 th All India Educational Conference organized by All India Educational Movement.	Presented the Paper	13 November 2021
2	TEQIP-3, International Conference on Renewable Energy Power-2020, AMU, Aligarh	Session Chair	13-14 July 2020
3	National Conference on Advanced Functional Material-2019, NCAFM-2019, Organized at Jamia Millia Islamia.	Chaired a Session	20-21 November, 2019
4	Smart Cities—Opportunities and Challenges, ICSC, Department of Civil Engineering, JMI, New Delhi	Session Chair and presented paper, won best paper award	March 2019
5	National Conference on Advanced Functional Materials-2019 (NCAFM-2019), New Delhi	Chaired a Session	Nov 2019
6	International Conference on Intelligent Computing Techniques for smart Energy Systems, Manipal, Jaipur	Delivered an Invited Talk and Chaired a session	Dec 2018
7	IEEE India International Conference at DTU, New Delhi	Chaired a Session	2016
8	ETEEE 2015, New Delhi.	Delivered Inaugural Address and Invited Talk, Chaired a Session Presented Paper, won best paper award	Feb 2015
9	IEEE- Sponsered International Conference on Soft Computing Techniques and Implementations organized at Manav Rachna.	Delivered an Invited Talk and Chaired a Session	10 th October 2015
10	International Conference on Power Electronics (IICPE) at DTU.	Delivered an Invited Talk and Chaired a Session	2014

Consulting Experience:

Sl. No	Client /Organisation	Nature of assignment	Year
1	Integral Screw Industries	Electrical Protection, Automation and Control System of dynamic façade for the Indian Pavilion at world expo 2020 Dubai, UAE	2020
2	Jamia Millia Islamia	Installation of Roof Top Solar Power Plant	2017-2019
3	Mewat Engineering College	Installation of Roof Top Solar Power Plant	2017-2018

List of articles in popular magazines or newspapers

Sl. No	Date	Title	Name of magazines/ newspapers	Medium
1	June 2020	توانائی اور ماحولیات کے شعبے پر کووڈ 19 کا اثر	Sahara	Urdu
2	February 2010	Intelligent Protection of Transmission line Using Fuzzy Logic	Electrical India	English
3	August 2011	Application of IRT technique in power industry	Electrical India	English
4	January 2023	Testing An IEC 61850 Compliant Multivendor Digital Substation	Electrical India	English

Membership of Learned Societies:

S. No	Awarding Professional organization	Status	Membership No	Awarding year
1	Institute of Engineers	Fellow	F-1215597	2018
2	IETE	Fellow	F-500429	2018
3	IEEE	Sr. Member	93525884	2015
4	IEEE Power Engineering Society	Member	93525884	2015
5	Indian society for technical education (ISTE)	Life member	LM 15022	1996
6	Institute of Engineers, India,	Life Member	M-1352762	1998
7	ICTP	Life Member	ICICTP/99/315	1999
8	Systems Society of India, Delhi Chapter,	Life Member	LM No 30278	2006

Details of Academic Work: Curriculum Development

S.No	Curriculum Developed	Activity
1	Introduced Choice Based Credit System in B. Tech. and M. Tech. Programmes.	Organized a workshop on curriculum revision for B. Tech (Electrical Engineering) and M. Tech (EPSM) & M. Tech. (CIS) programmes during 7-8 March 2017
2	Developed Course Curriculum	EEP-103-Control Strategies of Renewable Energy Systems (PhD Course work)
		EEM-111-Renewable and Energy Sustainable Systems (M. Tech.)
		EE-506 Electrical Power Generation (B. Tech.)
		EE-501 Switchgear and Protection (B. Tech.)
		BEE-402-Power Station Practice (B.E.)
		BEE-202 Circuit Theory (B.E.)
3	Lab Establishment	EE-531 Switchgear and Protection Lab
		Power System Research Lab
		Switch gear & Protection Lab
		Electrical Machines Lab
4	PG Projects	Circuit Theory Lab
5	UG Projects	Guided at PG Level-24
6	Courses Taught	Guided at ug Level-50 Plus
6	Courses Taught	Renewable and Energy Sustainable Systems,
		Switchgear and Protection,
		Power station practice,
		Electrical Machines I
		Electrical Machines II,
		Basic Electrical Engineering,
		Utilization,
		Power Systems,
		Energy Studies

Organization of the Events

S. No.	Name of the Event	Grant Generated / Received	Role	Duration
1	International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies- REEDCON2023	Rs. 11:00 lacs	Organizing Secretary	1-3 May, 2023
2	JTA Multidisciplinary International Conference, at JMI, N. Delhi	Rs. 11 Lacs	Organizing Chair	16-18 Feb 2020

3	Organized a Brain storming session on New Education Policy at JMI	Rs. 10000/	Organizing Secretary	13 June 2019
4	12 th IEEE International Conference-INDICON-2015"Energy, Environment, Electronics, Computer, Control, Communication (E ³ -C ³)", JMI, N. Delhi.	Rs. 50 Lacs	Organizing Chair	17-19 December 2015
5	National Conference "Emerging Trends in Electrical and Electronics Engineering" organized by Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi -110025,	Rs. 6 Lacs	Chairman	6-7, February 2015
6	Two weeks A.I.C.T.E Sponsored Staff Development Programme.	Rs. 7.5 Lacs	Coordinator	2011
7	GIAN Programme: "Role of Smart Building Energy Management Systems in the development of Smart City", Foreign Faculty, Prof. Saifur Rehman, Advanced Research Institute at Virginia Tech (U.S.A),	Rs. 5,44,000/-	Course Coordinator	6-10 March 2018.
8	GIAN Programme: "Controls for Renewable Energy and Microgrids," Foreign Faculty, Prof. Adil Nasiri, University of Wisconsin-Milwaukee, USA	Rs. 5,44,000/	Course Coordinator	29 May-04 June 2016
9	National Seminar on New Education Policy, July 2019		Secretary	2019
10	"Alumni- Faculty Interaction",		President	2015
11	JEAA Conclave, a Silver Jubilee Celebration of Faculty of Engineering & Technology in.	Rs. 20 lacs	Convener	2010
12	National seminar on AIDS awareness sponsored by Ministry of Health, Govt. of India, organized by PEACE.		Coordinator	1996
13	The seminar on Entrepreneurship awareness camp (EAC), sponsored by DST Govt. of India, JMI		Coordinator	1994
	"STUDENTS ALUMNI" interact meet in at Faculty of Engineering & Technology, New Delhi,		President	1995

Citations	1535
h-index	21
i10-index	34

Publications

Total Papers published:	202
SCI Journals:	42
SCOPUS Journals/ Conference:	90
Others Journals/ Conferences:	70

Refereed Research Journals: SCI Indexed

Selected Journal Paper

- [1] Kumar, M. Alaraj, M. Rizwan, I. Alsaidan, and M. Jamil, "Development of Novel Model for the Assessment of Dust Accumulation on Solar PV Modules," *IEEE Journal of Photovoltaics*, vol. 13, no. 1, pp. 150–157, Jan. 2023, doi: 10.1109/jphotov.2022.3220923.
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