

Brief Profile: Prof. (Mrs.) Mini Shaji Thomas

Dean, Faculty of Engineering & Technology, Jamia Millia Islamia (JMI)

Former Director, National Institute of Technology, Tiruchirappalli (NIT Trichy)

Wiki page: https://en.wikipedia.org/wiki/Mini_Shaji_Thomas

Homepage: https://www.jmi.ac.in/electrical/faculty-members/Dr_Mini_Shaji_Thomas-1954



Dr. (Mrs) Mini Shaji Thomas nee Mini Paul T is currently Dean, Faculty of Engineering & Technology and Professor in the Department of Electrical Engineering, JMI, and was the Director of National Institute of Technology, Tiruchirappalli (NIT, Trichy) from 2016-2021. As the Dean of Engineering, she has revamped the curriculum of UG and PG as per NEP 2020, with minors and Honors, and started 3 new B Tech and 2 M Tech programs in Emerging Areas in 2024.

Dr. Thomas was the founder Director of the Centre for Innovation and Entrepreneurship (CIE), Jamia Millia Islamia (JMI), and was the Central Public Information officer (CPIO) of JMI from 2008- 2014 and the Head of the Department of Electrical Engineering from 2005-2008. Dr. Thomas was a faculty member at Delhi College of Engineering, Delhi (now DTU), and at the REC (now NIT), Calicut, Kerala before joining Jamia. She graduated from University of Kerala (Gold Medalist), completed her M. Tech from IIT Madras (Gold Medalist, Siemen's prize) & PhD from IIT Delhi, India, all in Electrical Engineering. Dr. Thomas received the prestigious Distinguished Alumnus Award 2022 of IIT Madras.

At NIT Trichy, Dr. Thomas and her team, with the inputs from all stakeholders, developed the Strategic Plan for the Institute, which aims to propel the Institute to be among the top Technical Institutes in the world. Inching towards this goal, the position of the Institute improved to 9th from 12th in 'Engineering', and to 24th from 34th in 'overall' position, in the NIRF India rankings over the last 3 years of her tenure. With her keen interest, able guidance and leadership, NIT Trichy has set up the first of its kind Centre for Excellence (COE) in Manufacturing in 2018, at an investment of Rs. 190 Crores, in collaboration with Siemens Industry Software, for Research and Training and Centre of Excellence in Artificial Intelligence and Intelligent Machines. The research publications, projects and consultancy at the Institute has improved substantially with consistent encouragement and recognition of excellence in multiple ways. Patent filing and publication saw a surge in the last two years with an IPR policy in place. The new offices of the Alumni Relations, International Relations, public relations and media are taking the Institute to greater collaborations and visibility.

Dr. Thomas is currently on the Board of Directors of the IUSSTF- Indo-US Science and Technology Forum and was the President of Shastri-Indo Canadian Institute (SICI) 2020-21, a binational organization supported by MHRD, GoI, that promotes understanding between India and Canada through academic activities and exchanges.

Dr. Thomas has done extensive research work in the area of Supervisory Control and Data Acquisition (SCADA) systems, Substation & Distribution Automation and Smart Grid. She has published over 150 research papers in International Journals and Conferences of repute,

supervised 17 Ph. Ds, has successfully completed many research projects, and the coordinator of the Special Assistance Program (SAP) on Power System Automation from UGC, Government of India. She is also a reviewer of reputed journals in her field. She is the author of the text book 'Power System SCADA and Smart Grids' by CRC Press, Taylor and Francis, USA and book chapters in the McGraw hill Standard Handbook of Electrical Engineers, 17th edition, 2018, Women in Power, Research and Development Advances in Electric Power Systems, Springer, 2024

Dr. Thomas has set up the first of its kind SCADA laboratory and Substation Automation (SA) Laboratory at JMI, with Industry involvement, which is bringing laurels to the University in terms of research publications, MOUs, and training opportunities and more importantly, enhanced image among the world power engineering fraternity. She, as the founder coordinator, drafted the curriculum, started a unique, first full-time, M Tech program in the Faculty of Engineering & Technology, JMI, in 2003 in Electrical Power System Management, with industry participation, which has courses on power automation and novel hands-on training. For these contributions, Dr. Thomas won the IEEE Educational Activities Board (EAB) Meritorious Achievement Award 2015 for 'Design and Development of curriculum and laboratory facilities for professionals and students in the electric utility industry".

She is a 'Distinguished Lecturer' of IEEE Power & Energy Society. As the founder Director of Centre for Innovation and Entrepreneurship at Jamia, Dr. Thomas had created an environment of Innovation and Entrepreneurship which has led to the setting up of a Design Innovation Centre, a Livelihood Business Incubator and doubling the number of patents filed.

Dr. Thomas received the 'Career Award' for young teachers, Govt. of India, won the IEEE Power and Energy Society Outstanding Chapter Chair award 2013, IEEE Member and Geographic Activities (MGA) Innovation award 2008, IEEE Outstanding Volunteer award 2005, IEEE Outstanding Branch counselor award 2002 and Power and Energy Society (PES) Outstanding Chapter Engineer award. She is a certified trainer for 'Capacity building of Women managers in higher education', by UGC and has conducted many training sessions for Women empowerment.

Dr. Thomas is very active in Professional societies and she is among a handful from Asia Pacific to be on the global boards of IEEE with experience over a decade on the international boards and committees. Dr. Thomas has traveled extensively around the globe, delivered lectures in prestigious universities and has interacted with technical experts from all over the world.

Curriculum Vitae

1.	Name	Mini Shaji Thomas
2.	Designation	Dean & Professor
3.	Office Address:	Office of the Dean, Faculty of Engineering & Technology, Jamia Millia Islamia
4.	Telephone & Email:	+91 9810424609, mthomas@jmi.ac.in , minishajithomas@gmail.com
5.	Field of Specialization:	Power System Automation, Smart Grid.

6. Employment Profile

From	To	No of Years	Name of the University	Position Held and Responsibilities
Aug 2022	Till Date	2 Y 4M	Jamia Millia Islamia (JMI), New Delhi, India	Dean, Faculty of Engg & Technology Administrative, Teaching, Research
Dec 2021	Aug 2022	9 M	Jamia Millia Islamia (JMI), New Delhi, India	Professor, Dept. of Electrical Engineering Teaching, Research, Training, Administrative
Nov 2016	Nov 2021	5 Y	National Institute of Technology, Tiruchirappalli (NITT)	Director Administrative, Teaching, Research
Nov 2014	Nov 2016	2 Y	Jamia Millia Islamia (JMI), New Delhi, India	Director, Centre for Innovation and Entrepreneurship & Professor, Dept. Of Electrical Engineering Teaching, Research, Training, Administrative
Oct 2008	Nov 2014	7 Y	Jamia Millia Islamia	CPIO (Central Public Information officer), Professor, Dept. Of Electrical Engineering Teaching, Research, Training, Administrative
May 2005	May 2008	3 Y	Jamia Millia Islamia	Professor & Head of Electrical Engineering, Teaching, Research and administrative
Jan 2002	May 2005	3 Y 4 M	Jamia Millia Islamia	Professor *, Teaching, Research and Training
July 1995	Jan 2002	6 Y 6M	Jamia Millia Islamia	Reader, Teaching, Research and Training
Oct 1990	July 1995	4 Y 9 M	Delhi College of Engg, Delhi	Senior Lecturer, Teaching & Research
Dec 1985	Jan 1986	1 Y	NIT Calicut, Kerala (Formerly REC)	Lecturer, Teaching & Research
Jan 1986	Oct 1990	3 Y 10M	IIT Delhi	Full Time research scholar, Institute fellow
		38 Y 5 M	Teaching: 34 years (23 years as Professor), Research: 38 years	

7. Academic Qualifications

Degree	Year	Institution	University/location	Degree Discipline
PhD	1991	Indian Institute of Technology, Delhi (IIT D)	New Delhi India	Electrical Engg (Power systems)
M. Tech	1986	Indian Institute of Technology, Madras (IITM)	Madras, India	Electrical Engg (Energy Systems IIT GOLD MEDAL (CGPA 9.7/10)
B. Sc. Engg	1984	M A College of Engg	University of Kerala, India	Electrical Engg. UNIVERSITY GOLD MEDAL (85%)
Pre Degree	1979	St Mary's college	University of Calicut, Kerala	Science (PCM 96%)
Matriculation	1979	M A College School, Kerala	S S L C Kerala State Board	80% First division with honors

8. Academic/Administrative Responsibilities outside the Institute

Position	Institution	From	To
Member	ANRF- MAHA EV-Mission, GoI	2024	Till date
Alternate Chairperson	ASPIRE Engineering Sciences Research Committee, CSIR	2023	Till date
Member	IEEE Spectrum Editorial Advisory Board	2023	Till date
Vice Chair	IEEE MGA Board (Global)	2023	2023
Member	Board of Directors IUSSTF-Indo-US Science and Technology Forum https://iusstf.org/board-members	2019	Till date
Member	Independent Review Committee, Indian Institute of Management Lucknow	2022	2023
President/ Vice-President	Shastri Indo Canadian Institute (SICI) https://www.shastriinstitute.org/	2019	2021
Chair CSAB 2019/ VC JoSAA 2019	Central Seat allocation Board, MHRD	2018	2020
Member	Advisory group on Multidisciplinary Education and Research Improvement in Tech Education (MERITE), MOE	2021	2021
Member	Committee for Imparting of Technical Education in local languages, MOE	2020	2021
Member	Committee for Improving perception and ranking of HE Institutions, MOE	2020	2021
Member	Expert Group-Implementation Plan 'Technology Use &Integration', NEP 2020, UGC	2020	2021
Member	Expert Advisory Committee of "Advance Manufacturing Technologies" (EAC - AMT) "Make in India", DST	2020	2024
Member	Committee to encourage students to "Stay in India & Study in India", UGC	2020	2021
Member	Chairperson, Southern Regional Committee, AICTE	2020	2021
Member	Governing Board, India Ranking Society	2020	2022
Member	Committee for 'National Innovation and Startup Policy 2019' Guidelines for HEIs	2019	2019
Member JAB	JEE Apex Board, MHRD, GOI	2017	2021
Member, BOG	IIIT Kottayam	2019	2021
Member, Board of Management	IGDTU, Delhi	2016	2019
Member	Oversight Committee MHRD	2017	2021
Member	EQUIP MHRD	2019	2021

Member	Think Tank MHRD	2019	2021
Planning Board member (UGC Nominee)	Mahatma Gandhi University, (M G University), Kerala	2010	2015
Member, Operator Certification panel	POSOCO, Ministry of Power, GOI	2011	2016

9. Awards

Year	Name of the Award	Awarding Organization
2022	Distinguished Alumnus Award	Indian Institute of Technology Madras (IIT Madras)
2019	Best Teacher award	IEEE Kerala Section
2017	Outstanding Engineer Award	Institution of Engineers (I)
2015	IEEE EAB Meritorious Achievement Award in Continuing Education for "Design and development of curriculum and laboratory facilities for professionals and Students in the Electric Utility Industry"	IEEE Educational Activities Board, USA
2013	Larry K Wilson Trans-National Award	IEEE Member and Geographic Activities Board, USA
2012	Outstanding Power and Energy Chapter Chair	IEEE Power and Energy Society, USA
2008	Outstanding Power Engineer award	IEEE Power and Energy Society Delhi
2008	MGA Innovation Award	IEEE Member and Geographic activities Board, USA
2005	Outstanding Volunteer Award	IEEE Asia Pacific region
2002	Outstanding Branch Counsellor award	IEEE MGA Board, USA
1999	Career award for young teachers	AICTE, GOI
1989	Institution Prize (best paper award)	Institution of Engineers (I)
1986	Siemens Prize & Gold Medal M. Tech	IIT Madras
1984	Prince Avittom Tirunal GOLD medal, Radhakrishnan memorial medal, Gold Medal B Sc Engineering	University of Kerala
1979	Merit scholarship	Ministry of Education, GOI

10. Academic/Administrative Responsibilities

Position	Faculty/Department/ Institution	From	To
Dean, Faculty of Engg & Technology	Jamia Millia Islamia	2022	Till date
Director, Centre for Innovation and Entrepreneurship	Jamia Millia Islamia	2014	2016
Central Public Information officer	Jamia Millia Islamia	2008	2014

(CPIO)			
Member Apex body of SPARSH	Jamia Millia Islamia	2009	2014
Coordinator, SCADA Laboratories	Jamia Millia Islamia	2003	2016
Branch Counselor, IEEE JMI	Jamia Millia Islamia	2000	2014
Head of Electrical Engg Department	Jamia Millia Islamia	2005	2008
Founder Coordinator M Tech Elect. Power System management	Electrical Engg Department	2003	2008
Member Academic Council	Jamia Millia Islamia	2005	2008
Cultural Coordinator	Faculty of Engineering & Technology	2007	2010
NSS coordinator	Faculty of Engineering & Technology	2003	2006
Member Faculty Committee	Faculty of Natural Sciences	2002	2005
Member Board of studies, Dept of Civil Engg	Faculty of Engineering & Technology	2007	2010
Member Board of studies, Dept of Electronics & Communication Engg	Faculty of Engineering & Technology	2003	2006

11. Number of PhDs guided: 17 - 2 Ongoing

Sl No	Name of PhD Scholar	Title of PhD Thesis	Role	Status
1	Jisma M	Financial risk-return models for generation portfolio selection in energy system planning	Co-Supervisor	Awarded 2023
2	Ankur Rana	Performance Analysis of Wide Area Measurement and Control Systems	Supervisor	Awarded 2018
3	Saeed Roostae	Reliability and availability assessment of transmission line protection functions based on IEC 61850 standards.	Supervisor	Awarded 2018
4	Praveen Poon Terang	Distribution Generation Interface in a Smart Grid	Supervisor	Awarded 2017
5	Nitin Gupta	Smart Metering Infrastructure	Supervisor	Awarded 2016
6	Amira Nisar	Intelligent Distribution System	Supervisor	Awarded 2016
7	Seema Arora	Broadband over Power-line system	Supervisor	Awarded 2016
8	Sunil Gupta	IEC 61850 Protocol and Substation Performance	Co Supervisor	Awarded 2016
9	Pawan Kumar	Automated Distribution System	Co Supervisor	Awarded 2016
10	Nitin Malik	Power Quality in Radial Distribution Systems	Supervisor	Awarded 2014
11	Roma Raina	Optimal Operation of Radial Distribution Networks	Supervisor	Awarded 2014
12	Anupama	Substation Automation Design and	Supervisor	Awarded

	Prakash	Configuration using IEC 61850 Devices		2012
13	Alka Nigam	Intelligent Oscilloscope Triggering schemes	Co Supervisor	Awarded 2012
14	Iqbal Ali	Investigation and Design of the Communication Requirements for SCADA/EMS based Automated Collection and Analysis of IEDs Data	Supervisor	Awarded 2010
15	Rachana Garg	Sensitivity Analysis of Multi Conductor Digital Transmission Line	Supervisor	Awarded 2009
16	Vinay Chandna	Design, Configuration and Implementation of Intelligent SCADA Systems	Supervisor	Awarded 2008
17	Majid Jamil	Intelligent protection for transmission lines using fuzzy logic	Supervisor	Awarded 2001

12. Details of Major R&D Projects

S.No.	Designation	Name of the Funding agency	Project Title	Cost in Lakhs	Year/ Status
1	Co- PI	SPARC, MHRD	Potential Peer to Peer Transactive Energy Market in Indian Power Distribution Systems	26.92	2019-23 Completed
2	Coordinator	MSME, GOI	Livelihood Business Incubator under ASPIRE	100.00	2015-16 Completed
3	Coordinator	MHRD, GOI	Spoke of the Design Innovation Centre	100.00	2014-16 Completed
4	Coordinator	SAP DSA UGC	Power System Automation including Substation automation, leading to Distribution Automation	73.00	2013-2016 Completed
5	Coordinator	DRS(SAP II) UGC	Power System Automation including Substation automation, leading to Distribution Automation	55.50	2007-12 Completed
6	Coordinator	UGC Major Project	Development of Intelligent Communication for security and surveillance of Substation	03.43	2007 Completed
7	Coordinator	AICTE RPS	Development of Intelligent Protection schemes for Power Transmission system	10.59	2007 Completed
8	Principal Investigator	AICTE (TAPTEC)	Adaptive and Intelligent Control of Integrated Power System	19.00	2000 Completed

9	Coordinator	AICTE (Career Award)	Modeling of Railway Traction line and a Fuzzy logic based Protection Scheme	12.00	1999 completed
			Total	400.54	

13. Details of Academic Work

(i) Curriculum Development

Sr. No.	Curriculum Developed
1	Started the First Full-time M Tech Program of the Faculty of Engineering and Technology in 2003, in Electrical Power System Management (EPSM) . Developed the course curriculum of EPSM, as the founder coordinator in 2003 , in consultation with Professors at IIT Delhi, IIT Madras and Delhi College of Engineering. The curriculum was framed to suit industrial needs , with the help from ABB, SIEMENS and POWEGRID Corporation.
2	Developed the course curriculum for 5 courses at the M Tech level (Electrical Power system management) <ol style="list-style-type: none"> 1. EEL 913 SCADA Systems 2. EEL 922 Distribution Planning & Automation 3. EEL931 Restructuring & Deregulation of Power Systems 4. EEL927 Digital Protection of Power systems 5. EEL 914 Integrated Energy Systems Currently developed the course curriculum for two courses in M tech. <ol style="list-style-type: none"> 6. EEM 102 Automation systems 7. EEM 203 Transmission and Distribution Automation
3	Developed the course curriculum for the B Tech (Electrical Engineering) course in <ul style="list-style-type: none"> • EEM Energy Management Systems

(ii) Courses taught at Postgraduate and Undergraduate levels

➤ Post Graduate level

1. SCADA Systems
2. Automaton Systems
3. Distribution Planning management and Automation
4. Transmission and Distribution Automation
5. Power System Analysis

➤ Undergraduate level

1. Energy Management systems
2. Power System I
3. Power System II
4. Electrical Machines I
5. Electrical Machines II
6. Power Electronics

7. Network Analysis

(iii) Projects guided at Postgraduate level (M Tech): 26

14. PUBLICATIONS

(A) Books

SI No	Book Title	Year	Editors
1	Power System Automation and Smart Grid, CRC Press, USA, Text book adopted by International Universities	2015	Mini S. Thomas & John D McDonald ISBN: 978-1482226744
2	Standard Handbook of Electrical Engineers, 17 th Ed, McGraw hill – Book Chapter, Section-4 ISBN 978-1259642586	2018	Mini Thomas et al
3	Women in Power: Research and Development Advances in Electric Power Systems -Springer International- Book Chapter ISBN 978-3-031-29723-6	2023	Mini Thomas et al
4	Heritage Book, NIT Tiruchirappalli, 2020, ISBN: 978-81-943-450-5-3	2020	Mini S Thomas & Vinod Balakrishnan
5	Management of Higher Education: 21 st century challenges ISBN 81-88342-44-0	2004	Iqbal H Khan & Mini S Thomas
6	Environmental Challenges for the New Millennium ISBN 81-86829-05-9	1999	Iqbal H Khan & Mini S Thomas

(B) Refereed Research Journals:

No	Title of Paper	Authors	Journal	Page No.
1	Tail risk adjusted clean energy portfolios in P2P transactive markets using Rachev ratio	M Jisma, Vivek Mohan, Mini Shaji Thomas, Karthik Thirumala	IET Energy Conversion and Economics	Vol.4, Issue 2, pages 105-122, 2023
2	DCVD-VMD Enabled Traveling Wave-Based Fault Location in Non-Homogenous AC Microgrids	Jnaneswar, Ankur Singh Rana, Mini S Thomas	IEEE Systems Journal	Volume: 17, Issue: 2, June 2023
3	Design and Implementation of Low-Cost PMU for Off-Nominal Frequency and DDC in Compliance with IEEE C37.118 Standard	Ankur Singh Rana, K Jnaneswar, MK Gadhiraaju, Neeraj Kumar, Shufali Wani, Mini Shaji Thomas	Distributed Generation & Alternative Energy Journal	2023: Vol 38 Issue 2

4	Risk-Calibrated conventional-renewable generation mix using master-slave portfolio approach guided by flexible investor preferencing	JismaM, VivekMohan, Mini ShajiThomas NimalMadhu M	Energy Volume 245, 15 April 2022, 123261	https://doi.org/10.1016/j.energy.2022.123261
5	Unreliant effect of mother wavelets in localization of power system faults for non-homogeneous AC microgrid	<i>Jnaneswar, Ankur Singh Rana, Mini S Thomas</i>	Electrical Engineering Springer Berlin Heidelberg	105, pages1955-1969 (2023)
6	Treynor Ratio guided risk-return model for TSO-DSO mutualism considering energy and price volatility	M Jisma, Vivek Mohan, Mini Shaji Thomas, Siqi Bu	Sustainable Energy, Grids and Networks Elsevier	<i>Vol 32, Page 10082 2022</i>
7	Impact of Electric Vehicles on Energy Efficiency with Energy Boosters in Coordination for Sustainable Energy in Smart Cities	Pawan Kumar, Srete Nikolovski, Ikbali Ali, Mini S Thomas, Hemant Ahuja	<i>Processes, MDPI August 2022</i>	<i>Vol 10, Issue 8, Page 1593,2022</i>
8	Development of a Smart Meter for Power Quality-Based Tariff Implementation in a Smart Grid	Mayurkumar Rajkumar Balwani, Karthik Thirumala, Vivek Mohan, Siqi Bu, Mini Shaji Thomas	Energies <i>Vol 14, No 1, 2021</i>	<i>19/ 6171</i>
9	Realistic Energy Commitments in Peer-to-Peer Transactive Market with Risk Adjusted Prosumer Welfare Maximization	<i>Vivek Mohan, S. Q. Bu, M Jisma, Rijinlal Vc, Karthik Thirumala, Mini Shaji Thomas, Zhao Xu</i>	<i>International Journal of Electrical Power and Energy Systems</i> Vol 124, Jan 2021	<i>124/ 106377</i>
10	A Coordinated Framework of DG Allocation and Operating Strategy in Distribution System for Configuration Management under Varying Loading Patterns	<i>P. Kumar, I. Ali, M. S. Thomas and S. Singh</i>	Electric Power Components and Systems 2020	vol. 48, pp. 12-29, 2020, DOI: 10.1080/15325008.2020.1732501
11	Hybrid methodology to analyse reliability and techno-economic evaluation of microgrid configurations	<i>Ankur Singh Rana, Fahad Iqbal, Anwar Shahzad Siddiqui, Mini S Thomas</i>	IET Generation, Transmission & Distribution.	vol. 13, no. 21, pp. 4778-4787, 5 11 2019.
12	Power Engineering Education: A Description of Current Academic Developments in India	<i>C. Nagamani, M. Venkata Kirthiga and M. S. Thomas,</i>	<i>IEEE Power and Energy Magazine</i>	vol. 16, no. 5, pp. 42-52, Sept.-Oct. 2018, doi: 10.1109/MPE.2018.2843899
13	Performance evaluation of IEC 61850 GOOSE-based inter-substation communication for accelerated distance protection scheme	<i>M. A. Aftab, S. Roostae, S. M. Suhail Hussain, I. Ali, M. S. Thomas and S. Mehruz,</i>	<i>IET Generation, Transmission & Distribution</i>	vol. 12, no. 18, pp. 4089-4098, 16 10 2018, doi: 10.1049/iet-gtd.2018.5481.
14	Experimental studies on impedance-based fault location for long transmission lines	<i>Saeed Roostae, Mini S Thomas, Shabana Mehruz</i>	<i>Protection and Control of Modern Power Systems</i>	Vol 2 (1), 2017

15	Imposing voltage security and network radiality for reconfiguration of distribution systems using efficient heuristic and meta-heuristic approach	<i>P Kumar, I Ali, MS Thomas, S Singh</i>	<i>IET Generation, Transmission & Distribution</i>	Vol 11, Issue 10-2457-2467 2017
16	Reliability Comparison of Various Power Substation Automation based on IEC61850	Saeed Roostae, Shabana Mehruz, Mini Shaji Thomas, Majid Jamil	International Journal Series in Engineering Science (IJSES) 2017	15-26
17	Recent advancements in substation automation systems based on information and communication technologies	Sunil Gupta, Iqbal Ali, Mini S Thomas, SM Suhail Hussain	Communication and Computing Systems Taylor & Francis 2017	1019-25
18	Traveling-Waves-Based Ground Fault Location Using Zero-Sequence Detection and Wavelet Transform	Saeed Roostae, Shabana Mehruz, Mini Shaji Thomas, Majid Jamil	Journal of Electrical Engineering, Electronics, Control and Computer Science 2017	Vol 3, No 1 (2017)
19	Laboratory Investigation of Fault Location in Transmission Lines	Saeed Roostae, Shabana Mehruz, Mini Shaji Thomas	Journal of Electrical Engineering, Electronics, Control and Computer Science 2017	Vol 2, No 2 33-38
20	Transmission Line Differential Protection Based on Microprocessor Relays	Saeed Roostae, Mini Shaji Thomas	International Journal Series in Engineering Science (IJSES) 2016	14-26
21	Energy efficiency analysis of reconfigured distribution system for practical loads	Pawan Kumar, Iqbal Ali, Mini S Thomas	Perspectives in Science	Vol 8, PP 498-501
22	IEC 61850 substation communication network architecture for efficient energy system automation	Iqbal Ali, Mini S Thomas, Sunil Gupta, SM Suhail Hussain	Energy Technology & Policy	Vo 2, 1 82-91
23	Interoperable framework for iec61850-compliant ieds and noncompliant energy meters with scada	Mini S Thomas, Iqbal Ali, Nitin Gupta	Energy Technology & Policy 2015	Vol 2, 1, 73-81
24	A Mathematical Model for Evaluating the Delay Performance of a Metering Infrastructure in a Shared Medium	Mini S Thomas, Iqbal Ali, Nitin Gupta	Journal of Control, Automation and Electrical Systems 2015	Vol 26 Pp 642-650
25	Communication latency reduction in wide area measurement control and protection system	<i>Ankur Singh Rana, Nilanjan Sen Roy, Mini S Thomas</i>	Australian Journal of Electrical and Electronics Engineering	13(4):1-9 · November 2017 DOI: 10.1080/1448837X.2017.1406571
26	Reliability Evaluation of WAMS using Markov Based Graph Theory Approach	<i>Ankur Singh Rana, Nilanjan Sen Roy, Mini S Thomas</i>	IET Generation Transmission & Distribution	11(11) · June 2017 DOI: 10.1049/iet-gtd.2016.0848

27	Comprehensive Control for Microgrid Autonomous Operation with Demand Response	Amira Nisar, Mini S. Thomas	IEEE Transactions on Smart Grid 2016, Issue 99	1 – 9; DOI: 10.1109/TSG.2016.2514483
28	Techno-Economic Evaluation of Regulation Service from SEVs in Smart MG System	Amira Nisar, Mini S. Thomas	Technology and Economics of Smart Grids and sustainable Energy, Springer 2016	https://doi.org/10.1007/s40866-016-0016-z
29	Energy efficient reconfiguration for practical load combinations in distribution systems	Ikbal Ali, Mini S. Thomas Pawan Kumar	IET Generation, Transmission & Distribution. Vol 9 (11), 2015	1051-1060
30	The View from the Wide Side: Wide-Area Monitoring Systems in India	S.K. Soonee.; V.K. Agrawal; P.K. Agarwal; S.R. Narasimhan; M.S. Thomas	IEEE Power & Energy Magazine, vol.15, 2015	49-59
31	Voltage Based Detection Method for High Impedance Fault in a Distribution System	Mini S. Thomas; Namrata Bhaskar; Anupama Prakash	SPRINGER Journal of The Institution of Engineers (India), June, 2015	1-11
32	Design, development, and commissioning of a supervisory control and data acquisition (SCADA) laboratory for research and training	Mini S Thomas, Parmod Kumar, Vinay K Chandna	IEEE Transactions on Power Systems, vol. 19, 2004	1582-1588
33	Reliable, fast, and deterministic substation communication network architecture and its performance simulation	MS Thomas, I Ali	IEEE transactions on power delivery, vol. 25, 2010	2364-2370
34	Fuzzy-genetic algorithm for pre-processing data at the RTU	P Kumar, VK Chandna, MS Thomas	IEEE Transactions on Power Systems, vol. 19, 2004	718-723
35	Remote Control	MS Thomas	IEEE Power & Energy Magazine, vol. 8, 2010	53-60
36	A new Generalized Approach to fault Analysis of High phase order Transmission Systems.	M.Krishnamoorthi T. Mini Paul K. Ramar	Electric Machine and Power Systems, vol. 15, 1998	49-62
37	Design, development, and commissioning of a substation automation laboratory to enhance learning	Mini S Thomas, DP Kothari, Anupama Prakash	IEEE Transactions on Education, vol. 54, 2010	286-293
38	Intelligent Algorithms for pre-processing Multiple data at RTU	Parmod Kumar Vinay Chandna Mini S. Thomas	IEEE Transactions on Power Systems, Vol 18, No: 4, Nov 2003	1566-72
39	Discussion on Over voltages in Power Transformers Caused by No-Load Switching	Mini S. Thomas, C. S. Indulkar, P. R. Bijwe	IEEE Transactions on Power Delivery 1994	256-257
40	Load Modeling of Broadband Power Line Communication (BPLC) Network	Mini S. Thomas, Vinay Kumar Chandna and Seema Arora	Int Journal of Advanced Research in Electrical, Electronics	62-70

			and Instrumentation Engineering , Vol. 2, Dec 2013	
41	Distributed Resource Planning For Improved Voltage Stability Of Radial Distribution System	Ikbal Ali, Mini S. Thomas and Pawan Kumar	Int Journal of Advanced Research in Electrical, Electronics and Instr Engineering (IJAREEIE) 2013	ISSN 2278-8875
42	Probabilistic Fuzzy Approach to Assess RDS Vulnerability and Plan Corrective Action Using Feeder Reconfiguration	Mini S. Thomas, Rakesh Ranjan, Roma Raina	International Journal of Energy and Power Engineering EPE Vol.4 No.5, September 2012	330-338
43	Performance analysis of 16 QAM using OFDM for transmission of Data over Power lines	Seema Arora Vinay Chandna Mini S Thomas	Elsivier Energy Procedia, Vol 14, 2012	1723-1729
44	Fuzzy versus probabilistic techniques to address uncertainty for radial load flow simulation	Roma Raina, Mini S Thomas Rakesh Ranjan	International journal of Energy and Power engineering science Research EPE Vol 4, No 2, March 2012	99-105
45	Interoperability Framework for Data Exchange between Legacy and Advanced Metering Infrastructure	Mini S. Thomas, Ikbal Ali Nitin Gupta	International Journal of Energy Technologies & Policies, Vol. 2, No.1, 2012	ISSN 2224-3232 (Paper), ISSN 2225-0573
46	Advanced Oscilloscope triggering based on Signal Frequency	Shakeb A Khan, Alka Nigam, A K Aggarwala, Mini S Thomas	Sensors & Transducers Vol 136, No 1, Jan 2012	105-117
47	Optimal Capacitor placement in smart distribution system to improve loadability and energy efficiency	Ikbal Ali, Mini Thomas Pawan Kumar	International Journal of Engineering, science and Technology, Vol 3, No 8, 2011	271-284
48	Substation Communication Architecture to Realize the Future Smart Grid	Ikbal Ali, Mini S. Thomas Sunil Gupta	International Journal of Energy Technologies & Policies, Vol. 1, No. 4, 2011	ISSN 2224-3232 (Paper), ISSN 2225-0573
49	Load Flow Solution for unbalanced Radial power distribution using MonteCarlo simulation	Mini S. Thomas, Roma Raina	WSEAS Transactions on Power Systems Vol. 9, 2014	24-30
50	Performance Evaluation and Robustness Testing of adv Oscilloscope Triggering Schemes	Shakeb A. Khan, Alka Nigam, A.K. Aggarwala, Mini S. Thomas	Sensors & Transducers Vol 112, No 1, January 2010	95-106
51	Sensitivity Analysis of Fault Quantities	Parmod Kumar Majid Jamil Mini S. Thomas	Electrical Power and Energy Systems Vol 22, No:2, 2000	147-153
52	Statistical Evaluation of Peak	Mini S. Thomas,	International Journal	34-38

	Switching Overvoltages in EHV Underground Cables.	C.S.Indulkar	of Power and Energy System, Vol.14, No:1,1994	
53	Sensitivity Analysis of Modal Quantities for Underground Cable Considering Dielectric loss.	Mini S. Thomas, C.S. Indulkar	Electric Machines and Power Systems.Vol.18 No:2,1990	83-90
54	A new Generalized Approach to fault Analysis of High phase order Transmission Systems.	K. Ramar, M.Krishnamoorthi T. Mini Paul	Electric Machine and Power Systems, Vol. 15, No:1,1988	49-62
55	Sensitivity Analysis of Peak Switching Over Voltages in Underground Cables.	Mini S. Thomas, C.S. Indulkar, P.R. Bijwe	Electric Machines and Power Systems.Vol.16 No:5,1989	331-42
56	Predetermination of Corona Noise due to HVAC lines.	Parmod Kumar, Rachana Garg, Mini S. Thomas	Journal of Institution of Engineers (I) Vol. 86, 2006	239-243
57	Fuzzy Model of Corona Current Signals for EHV lines	Parmod Kumar, Rachana Garg, Mini S. Thomas	Journal of Institution of Engineers (I) Vol. 86, 2006	244-248
58	Sensitivity analysis of corona Noise Interference due to EHV Lines.	Parmod Kumar, Rachana Garg, Mini S. Thomas	Journal of Institution of Engineers (I) Vol. 79, 1999	182-185
59	Sensitivity Analysis of Peak Switching Over Voltages on EHV Overhead Lines.	Mini S. Thomas, C.S. Indulkar, P.R. Bijwe	Journal of Institution of Engineers (I) Vol. 71, 1991	253-257
60	*Deterministic and Probabilistic Analysis of Modal Quantities for Underground Cables Considering Dielectric Loss	Mini S. Thomas, C.S. Indulkar, P. R. Bijwe	Journal Of Institution of Engineers (I) Vol. 74, (* Best paper Award)	66-71
61	The promise of small scale renewable energy and the Smart grid	Mini S Thomas	Energy Manager Vol 4 Issue 3, July-September 2011	53-55
62	Smarter Grid, smart grid can give clean, reliable, green energy,	Mini S Thomas	MIT Technology Review Oct 2011	
63	Smart Grid Initiatives in India	Mini S. Thomas	IET Engineering & Technology (Ref Article),2015	1-6 DOI 0.1049/etr.2015.0070
64	Smart Cities: An Indian Perspective	Mini S. Thomas	IEEE Smart Grid News Letter, May 2015	

(C) Conferences Publications:

Research Publications in International Conferences Mini Shaji Thomas				
Sl. No	Title of Paper	Author(s)	Name and Volume of Proceedings and year	IEEEExplore ref No/ Page No.
1	A Review of the Optimal Allocation of Electric	Rassiya Masasrat Mini S Thomas	2023 International Conference on Recent Advances in	547-553

	Vehicle Charging Stations		Electrical, Electronics & Digital Healthcare Technologies (REEDCON)	
2	Load Altering Attacks-a Review of Impact and Mitigation Strategies	Mahrukh Mini S Thomas	2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON)	397-402
3	Fault Location Identification Using Hybrid Scheme in AC Microgrid	Ankur Singh Rana, Kolli Jnaneswar, Mini Shaji Thomas	2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON)	391-396
4	Intelligent and robust control of DER for autonomous microgrid operation	Parveen P Terang, Mini S Thomas	2017 IEEE International Conference on Power, Control Signals and Instrumentation Engineering (ICPCSI)	2659-2666
5	A practical approach for locating faults for overhead transmission lines using synchronized measurements from PMUs	Nisha Parveen, Ankur Singh Rana, Mini S Thomas	2016 IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES)	1-5
6	An efficient home energy management algorithm for demand response analysis in Indian scenario	Shruti Ranjan; Mini S. Thomas	12 th IEEE India International Conference, INDICON 2015 17-20 December, 2015	www.ieeexplore.org
7	Exploring IEEE Standard for Synchrophasor C37.118 with Practical Implementation	Ankur Singh Rana; Nisha Parveen; Shaziya Rasheed; Mini S. Thomas	12 th IEEE India International Conference, INDICON 2015 17-20 December, 2015	www.ieeexplore.org
8	Wide Area Measurement System Performance Based on Latency and Link Utilization	Ankur Singh Rana; Mini Thomas; Nilanjan Senroy	12 th IEEE India International Conference, INDICON 2015 17-20 December, 2015	www.ieeexplore.org
9	Information Modeling for Distributed Energy Resource Integration in IEC 61850 Substations	Ikbali Ali; Mini S. Thomas; Sunil Gupta; Suhail Hussain	12 th IEEE India International Conference, INDICON 2015 17-20 December, 2015	www.ieeexplore.org
10	Energy efficiency analysis of reconfigured distribution system for practical loads	Pawan Kumar; Ikbali Ali; Mini S. Thomas	Accepted in International Conference on Recent Trends in Engineering and Material Sciences (17-19 March 2016),	
11	Synchronizing Solar Cell, Battery and Grid Supply for Development of Smart	Pawan Kumar; Ikbali Ali; Mini S. Thomas	12 th IEEE India International Conference, INDICON 2015 17-20 December, 2015	www.ieeexplore.org

	Power System for Home			
12	Improving the Performance and Reliability of IEC 61850 Based Substation using Backup IED Concept	Syed Ali; Mini S. Thomas	12 th IEEE India International Conference, INDICON 2015 17-20 December, 2015	www.ieeexplore.org
13	Parametric Representation and Modelling of Indoor Broadband over Power Line Channel for Data Transmission	Mini S. Thomas; Vinay Kumar Chandna; Seema Arora	International Conference on Sustainable Mobility Applications, Renewables and Technology, (SMART2015) Kuwait, 23-25 Nov., 2015	www.ieeexplore.org
14	Indoor Power Line Channel Characterization for Data Transfer and Frequency Response Measurements	Mini S. Thomas; Vinay Kumar Chandna; Seema Arora,	International Conference on Sustainable Mobility Applications, Renewables and Technology, (SMART2015) Kuwait, 23-25 Nov., 2015	www.ieeexplore.org
15	Impacts of Interconnection of SOFC to a Radial Distribution System	M.S. Thomas P.P. Terang	6th IEEE POWER INDIA International Conference 2014 Dec. 05 – 07 , 2014	www.ieeexplore.org
16	Analysis of Time delay in a wide-area communication network	Mini S. Thomas, Nilanjan Senroy, Ankur Singh Rana	6th IEEE POWER INDIA International Conference 2014 Dec. 05 – 07 , 2014	www.ieeexplore.org
17	Optimization of PMU placement by performing Observability Analysis	Mini S Thomas Shruti Ranjan Namrata Bhaskar	6th IEEE India International Conference on Power Electronics (IICPE 2014) Dec. 08 – 10, 2014	www.ieeexplore.org
18	Smart Home Energy Management by Demand Response Controller Design	Mini S. Thomas Praveen Bansal	6th IEEE India International Conference on Power Electronics (IICPE 2014) Dec. 08 – 10 , 2014	www.ieeexplore.org
19	Distributed Resource Planning for Improved Voltage Stability of Radial Distribution System	Ikbal Ali, Mini S. Thomas and Pawan Kumar	In the proc. of International Conference on Emerging Trends in Electrical System (ICETES-2013) Dec. 12-13, 2013.	www.ieeexplore.org
20	Integration of PSCAD based Power System & IEC 61850 IEDs to Test Fully Digital Protection Schemes	Ikbal Ali, Mini S. Thomas, Sunil Gupta	IEEE PES Innovative Smart Grid Technologies Conference (ISGT ASIA 2013) Nov. 10-13· 2013.	www.ieeexplore.org
21	Sampled Values Packet Loss Impact on IEC 61850 Distance Relay performance	Ikbal Ali, Mini S. Thomas, Sunil Gupta	IEEE PES Innovative Smart Grid Technologies Conference (ISGT ASIA 2013) Nov. 10-13· 2013.	www.ieeexplore.org

22	Effect of Loading Pattern on the Performance of Reconfigured Medium Size Distribution System	Ikbal Ali, Mini S. Thomas and Pawan Kumar	In the proc. of IEEE 5 th Power India Conference Dec. 2012	www.ieeexplore.org
23	Methodology & Tools for performance evaluation of IEC 61850 GOOSE based protection schemes	Ikbal Ali, Mini S. Thomas, Sunil Gupta	IEEE Power India conference (PICON, 2012) Dec. 19-22, 2012.	www.ieeexplore.org
24	Broadband over power lines implementation roadmap for a smarter grid: A case study for Indian power sector	Mini S Thomas Seema Arora	Power Electronics (IICPE), 2012 IEEE 5th India International Conference on 6-8 Dec 2012	Digital Object Identifier: 10.1109/IPCPE.2012.6450476
25	Interconnection issues for distributed resources in a smart distribution system	Mini S Thomas Parveen Terang	Power Electronics (IICPE), 2012 IEEE 5th India International Conference on 6-8 Dec 2012	Digital Object Identifier: 10.1109/IPCPE.2012.6450446
26	Integration and Security Analysis of Metering Infrastructure	Mini S Thomas Nitin Gupta Ikbal Ali	IEEE Power India International Conference Dec 19-22, 12	www.ieeexplore.org
27	Deterministic Load Flow Algorithm for Balanced Radial AC Distribution Systems	Mini S Thomas Nitin Mallik Rakesh Ranjan	IEEE Power India International Conference Dec 19-22, 2012	www.ieeexplore.org
28	Methodology & Tools for Performance Evaluation of IEC 61850GOOSE Based Protection Schemes	Iqbal Ali, Mini S Thomas Sunil Gupta	IEEE Power India International Conference Dec 19-22, 2012	www.ieeexplore.org
29	Effect of Loading Pattern on the Performance of Reconfigured Medium Size Distribution System	Iqbal Ali, Mini S Thomas Pawan Kumar	IEEE Power India International Conference Dec 19-22, 2012	www.ieeexplore.org
30	A secure way of exchanging the keys in Advanced Metering Infrastructure	Mini S Thomas Nitin Gupta Ikbal Ali	IEEE International Conference Power System Technology (POWERCON), Oct 2012 , Australia	Digital Object Identifier: 10.1109/POWERCON.2012.6401418
31	Automated Substation Event Analysis Using IED Data	Mini S Thomas Anupama Prakash	IEEE PES general Meeting, San Diego, USA, July 2012	www.ieeexplore.org
32	Automated Substation Event Analysis Using IED Data	Mini S Thomas, DP Kothari, Anupama Prakash	IEEE Power and Energy Society General Meeting, 2012	1-11
33	Modelling of Broadband Power line (BPL) communication systems	Mini S Thomas Seema Arora Vinay Chandna	IEEE ISGT Kollam, India Dec 2011	www.ieeexplore.org DOI 10.1109/ISGT-India.2011.6145387

34	Distribution Automation Leading to a smarter Grid	Mini S Thomas Seema Arora Vinay Chandna	IEEE ISGT Kollam, India Dec 2011	www.ieeexplore.org DOI 10.1109/ISGT-India.2011.6145384
35	"Fuzzy modeled load flow solution for unbalanced radial Power distribution system",	Mini S Thomas, Rakesh Ranjan, Roma Raina,	Proceedings of the IASTED International Conference, Power and Energy Systems (EuroPES 2011), June 22 - 24, 2011 Crete, Greece.	doi:0.2316/P.2011.714-003
36	"IED Models for data generation in a Transmission Substation"	Mini S. Thomas, D.P. Kothari and Anupama Prakash	Proceedings of the IEEE International Conference: PEDES-2010, New Delhi.	www.ieeexplore.org Digital Object Identifier: 10.1109/PEDES.2010.5712415
37	"Waveform Extraction and Information Exchange for Data Warehousing in Power Utilities",	Mini S. Thomas, Nitin Srivastava and Anupama Prakash	Proceedings of the IEEE International Conference: PEDES-2010, New Delhi.	www.ieeexplore.org Digital Object Identifier: 10.1109/PEDES.2010.5712384
38	"Islanding Detection Using Decision Tree Approach"	Mini S. Thomas, Parveen Poon Terang,	Proceedings of the IEEE International Conference: PEDES-2010, New Delhi.	www.ieeexplore.org D Object Identifier: 10.1109/PEDES.2010.5712394
39	"Knowledge Discovery in Database (KDD) from Substation for Decision support"	Mini S. Thomas, Amira Nissar Siddiqui,	Proceedings of the IEEE International Conference: PEDES-2010, New Delhi.	www.ieeexplore.org Digital Object Identifier: 10.1109/PEDES.2010.5712419
40	"A Substation Automation Laboratory to facilitate the 'Next Generation Grid' Research and Training	Anupama Prakash, Mini S. Thomas and Iqbal Ali,	Proceedings of Power System Protection and Automation-5 th International Conference, 8-9 December 2010, New Delhi.	553-566
41	"Goose Based Protection Scheme Implementation & Testing in Laboratory	Iqbal Ali, Mini S Thomas	IEEE International conference on Smart Grid, World Smart Grid Forum Los Angeles, USA, January 2011	[Online] Available: www.ieeexplore.org
42	Modelling and testing of Protection Relay IEDs	Mini S. Thomas, Anupama Prakash, Nizamuddin	IEEE International Conference POWERCON-2008, New Delhi, October 2008	10.1109/ICPST2008.4745389
43	Substation Communication Networks Architecture	Iqbal Ali, Mini S. Thomas	IEEE, POWERCON-2008, New Delhi, October 2008	10.1109/ICPST2008.4745218
44	Ad Hoc Based Secure Architecture for Survivable and Reliable Substation Automation System	Shabana Mehfuz, Iqbal Ali, Mini S. Thomas	IEEE POWERCON-2008, New Delhi, October 2008	10.1109/ICPST2008.4745222
45	Innovation in the Design of RTU and migration to IED	V.K. Chandna, Parmod Kumar, Mini . Thomas	IEEE POWERCON-2008, New Delhi, October 2008	10.1109/ICPST2008.4745167

46	Tuned Fuzzy controller based Over current protection scheme	V.K. Chandna, Parmod Kumar, Mini . Thomas Rajveer Singh	IEEE POWERCON-2008, New Delhi, October 2008	10.1109/ICPST2008
47	Modeling of Indoor power line for Substation monitoring using Broadband Power line Communications	Shabana Mehruz, Abhishek Sinha, Mini S. Thomas	IEEE TENCON 2008, Hyderabad, November 2008.	www.ieeeexplore.ieee.org
48	"Robustness Evaluation of Software Customized Intelligent Techniques for Oscilloscopes Triggering,"	Khan Shakeb A., Nigam Alka, Agarwala A.K., Mini S. Thomas	IEEE 5th International Workshop on Intelligent Data Acquisition and Advanced Computing (IDAACS'2009), Italy, September, '09	49-52
49	GOOSE based protection scheme implementation & testing in laboratory	Ikbal Ali, Mini S Thomas	IEEE PES, Innovative Smart Grid Technologies (ISGT), 2011	1-7
46	Fuzzy approach to fault classification for transmission line protection	Parmod Kumar, Majid Jamil, Mini S Thomas	Proceedings of the IEEE Region 10 Conference, TENCON 99, 1999	1046-1050
50	Intelligent Triggering Technique for Oscilloscopes	Nigam Alka, Khan Shakeb A., Agarwala A.K., Thomas Mini S	Proc. International Conference on Cognition & Recognition (ICCR 2008), India, , April 2008.	383-389
51	Ergonomics in Control Centre Design for power system	Parmod Kumar, V.K. Chandna, Mini S. Thomas	IEEE International Conference PIC 2006, New Delhi	10.1109/POWER1.2006.1632584 www.ieeeexplore.ieee.org
52	Development of a Data warehouse for Non Operational data in Power Utilities	Mini S. Thomas Debajit Nanda, Iqbal Ali	IEEE International Conference PIC 2006, New Delhi	10.1109/POWER1.2006.1632499
53	Ethernet enabled fast and reliable monitoring protection and control of electric power substation	Iqbal Ali, Mini S. Thomas	IEEE International Conference PEDES 2006, New Delhi	10.1109/PEDES.2006.344314 www.ieeeexplore.ieee.org
54	On-Line monitoring of SCADA systems: A Practical Implementation	Mini S. Thomas, A.K. Srivastava	IEEE International Conference PEDES 2006, December New Delhi	10.1109/PEDES.2006.344314
55	Integration of IEDs Using Legacy and IEC 61850 Protocol	Anupama Prakash, Mini S. Thomas, Ashutosh Gautam	IEEE International Conference PEDES 2006, December New Delhi	10.1109/PEDES.2006.344314
56	Switching Overvoltages in a 3-Phase Transformer	Mini S. Thomas C.S.Indulkar, P.R.Bijwe	IEEE Midwest Symposium on Circuits and Systems, 1992, USA	237-240 www.ieeeexplore.ieee.org
57	Switching Overvoltages in Line-Transformer and	Mini S. Thomas C.S.Indulkar,	IEEE Midwest Symposium on Circuits and	241-244

	Cable-Transformer Cascades.	P.R.Bijwe	Systems,1992,USA www.ieeeexplore.ieee.org	www.ieeeexplore.ieee.org
58	Sensitivity Analysis of sequence Filters	Parmod Kumar, Majid Jamil, Mini S. Thomas Moinuddin	International Conference on Power Generation System Planning and Operation, New Delhi. December1997	271-275
59	A New Travelling Wave Based Protection For EHV Transmission Lines	Parmod Kumar, Majid Jamil, Mini S. Thomas Moinuddin	International Conference on Modern Trends in the Protection Schemes of Power Apparatus and Systems. New Delhi, Oct 98	VI-6
60	Wave propagation in a Faulty Unbalanced EHV Line.	Parmod Kumar, Majid Jamil, Mini S. Thomas Moinuddin	Proceedings of the IEEE TENCON '98 New Delhi December 1998.	428-431
61	Fuzzy Logic Based Protection of EHV Lines.	Parmod Kumar, Majid Jamil, Mini S. Thomas Moinuddin	IEE Symposium on HV Engg. London, August,1999	1.360.P6- 1.364.P6
62	Protection of EHV Lines Using PETRINET	Parmod Kumar, Majid Jamil, Mini S. Thomas Moinuddin	IEEE International Symposium, Goa, January 2000	633-637
63	Integrated Power Systems Using SCADA	Mini S. Thomas	International Conference on Environmental Challenges in the New Millennium, New Delhi, Nov 99	618-623
64	Design Development and Commissioning of a Supervisory Control And data Acquisition (SCADA) Lab for training and Research.	Mini S. Thomas Parmod Kumar Vinay Chandna	IEEE PES Meeting at Denver Colorado, June 6-10, 2004	www.ieeeexplore.ieee.org
65	Fuzzy genetic Algorithm for Pre-Processing data at RTU	Parmod Kumar Vinay Chandna Mini S. Thomas	IEEE PES Meeting at Denver Colorado, June 6-10, 2004	www.ieeeexplore.ieee.org
66	SCADA/EMS for Petrochemical Industry	Parmod Kumar Vinay Chandna Mini S. Thomas	PCI India International conference Nov 9-10 2004, New Delhi	
67	Internet based monitoring of the SCADA Lab	Mini S. Thomas Rohin Sethi	Third International Conference on Protection and Automation November 17-18, 2004, New Delhi	II 21- II 32
68	SCADA in power sector and SCADA lab at Jamia Millia Islamia	Mini S. Thomas	Empowering IT through Power Sector, International conference, Nov 27-28 2003, New Delhi	167-178

69	An improved scheme based on fuzzy logic for EHV transmission line protection	Majid Jamil, Mini S Thomas, Parmod Kumar	Eleventh International Symposium on High Voltage Engineering, 1999	360-364
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D. Publication in National Conferences

Sr. No.	National Conferences	Author(s)	Name and Volume of Proceedings and year	Page No.
1.	Performance evaluation of IEC 61850-9-2 process bus based numerical protection application using OPNET	Ikbal Ali, Mini S. Thomas, Sunil Gupta	<i>National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2015)</i> , 02-03 rd February, 2015	Accepted
2.	Study of demand response in Indian residential sector	Mini S. Thomas, Amira Nisar	<i>National Conference on Emerging Trends in Electrical And Electrical Engg(ETEEE-2015)</i> , 02-03 rd February, 2015	Accepted
3.	Evaluation of energy efficiency of reconfigured radial distribution system	Ikbal Ali, Mini S. Thomas and Pawan Kumar	<i>National Conference on Emerging Trends in Electrical And Electrical Engg(ETEEE-2015)</i> , 02-03 rd February, 2015	Accepted
4.	Power system protection enhancement using synchronized measurements	Ankur Singh Rana, N.Parveen, S. A. Ali, and Mini S. Thomas	<i>National Conference on Emerging Trends in Electrical And Electrical Engg(ETEEE-2015)</i> , 02-03 rd February, 2015	Accepted
5.	Practical implementation of IEC 61850 based substation	S. A. Ali, Ankur Singh Rana, N. Parveen, and Mini S. Thomas	<i>National Conference on Emerging Trends in Electrical And Electrical Engg(ETEEE-2015)</i> , 02-03 rd February, 2015	Accepted
6.	Performance of a photovoltaic model	Mini S. Thomas and Parveen P. Terang	<i>National Conference on Emerging Trends in Electrical And Electrical Engg(ETEEE-2015)</i> , 02-03 rd February, 2015	Accepted
7.	An Efficient Power Flow Method for Balanced Radial Distribution System	Rakesh Ranjan, Mini S Thomas, Nitin Malik	Recent Advances in Engg. Sc. and Tech. April 21, 2014.	
8.	Enhancement of Energy Efficiency of smart distribution system by demand side Management and Maximum Demand Control	Ikbal Ali, Mini S. Thomas and Pawan Kumar	Proc. of National Conference on Recent Trends in Electrical Engineering-2012 April 21-22, 2012	

9.	Energy Auditing and Management: A case study to improve Energy Efficiency and Setting Benchmarking	Ikbal Ali, Mini S. Thomas and Pawan Kumar	Proc. of National Conference on Recent Trends in Electrical Engineering-2012 April 21-22, 2012	
10.	Features and Scope of IEC 61850	Ikbal Ali, Mini S. Thomas and Sunil Gupta	National Electrical Engineering Conference on Power and Energy Systems for Tomorrow (NEEC), December 16-17, New Delhi 2011	Paper ID 328
11.	Non Operational Data Warehousing for Power Utilities	Mini S Thomas Debajit Nanda	Proc of the National Conference of Institution of Engineers, Nov 2005	73-82
12.	Fault Analysis of Railway Traction Line	Mini S. Thomas Parmod Kumar	IEEE ACE 2001, November 1-3 2001, ND	120-123
13.	The Ethernet Communication Roadmap from Office to Substation Automation Systems"	Iqbal Ali and Mini S. Thomas	Proc. National Conference on Emerging Trends in Signal Processing and Communication, ETSPC, Dec. 27-29, 2007, MAE, Alandi, Pune, India,	42-45
14.	Jamia to set up state of the art Supervisory control and Data Acquisition Lab	Mini S. Thomas	BEACON, Journal of IEEE Delhi section, vol. 21, No: 1, June 2002	27
15.	Some Studies of Corona Noise Interference due to EHV Lines	Parmod Kumar, Rachna Garg, Mini S. Thomas	Power India 1995, New Delhi	90
16.	Challenges in Distribution Automation	Parmod Kumar Mini S. Thomas	National Conference on Management of Power Distribution Engineering, New Delhi, Jan 7-8, 04	1-5
17.	Fault Analysis of Railway Traction Line	Mini S. Thomas Parmod Kumar	IEEE ACE 2001, November 1-3 2001, ND	120-123
18.	Implementation of FACTS Scheme in the SCADA laboratory	Mini S. Thomas Parmod Kumar V.K. Chandna	JEEC 2003, National conference Power management , August 16-17 2003, New Delhi	58-63
19.	Automation Functions in Substation According to IEC 61850	Saeed Roostae Mini S. Thomas	<i>National Conference on Emerging Trends in Electrical And Electronics Engg(ETEEE-2015), 02-03rd February, 2015</i>	350-357
20.	Smart grid, the energy internet of the future	Mini S Thomas	Technology Issue, The Hindu, 1 st December 2011	10

15. Participation in Workshops/ Symposia/ Conferences/ Colloquia / Seminars/ Schools etc. (mentioning the role)

<i>Sl No</i>	<i>Date (s)</i>	<i>Title of Activity</i>	<i>Level of Event</i>	<i>Role</i>	<i>Event Organized by</i>	<i>Venue</i>
1	14-17 th January 2022	6 th International Conference on Data Management, Analytics and Innovation	International	Keynote	Society for Data Science	Online
2	27 -31 st Dec 2021	ATAL FDP on Life Skill Management	National	Keynote	NIT Tiruchirappalli	Online
3	28 th Nov 2020	"Wake up, Grab the Opportunities"	National	Keynote	CII YI Trichy Region	Webinar
4	25 th October 2021	'Roadmap For Implementation Of NEP 2020 In HEIs'	National	Keynote	NIT Puducherry	Webinar
5	24 th June 2021	A Conversation on Skill India Mission – The Way forward	National	Panelist	CII	Online
6	7 th June 2021	STTP on Role of Energy Management Systems in Smart Grid	National	Keynote	Jamia Millia Islamia	Delhi Online
7	11 May 2021	National Technology Day	National	Keynote	Digital Univ of Kerala	Online
8	22 nd April 2021	Webinar on NEP 2020	National	Keynote	NIT Jalandhar	Jalandhar Online
9	14-15 th April 2021	National Seminar on Implementing NEP-2020	National	Speaker	Association of Indian Univ (AIU)	Delhi Online
10	Jan 2021	Int Women's day LPSC 2020, ISRO	National	Keynote	LPSC, ISRO Kerala	Online
11	18 th Nov 20	FDP for new Teachers	National	Keynote	Bharathidasan University, TN	Trichy Online
12	16 th October 2020	Effective Implementation Of National Education Policy 2020	National	Keynote	NIT Allahabad	Allahabad Online
13	19 th September 2020	Visitor's Conference 2020	National	Group Convener	Rashtrapathi Bhawan	Delhi Online

14	7 th August 2020	Ugc Conclave On Transformational Reforms In Higher Education-Nep 2020	National	Keynote	UGC	Delhi Online
15	2 nd September 2020	Use of Technology for NEP implementation-	National	Keynote	NIT Warangal	Warangal Online
16	18 th June 2020	Engineering Education In The Post covid Era-Way Forward Panel Discussion	National	Panelist	MHRD, NPIU, TEQUIP-3, AICTE	Delhi Online
17	13 th May 2020	IEEE Kerala Section - Online Panel	National	Panelist	IEEE Kerala Section	Online
18	12 th May 2020	Challenges and Contributions of Engineering Institutions to Combat COVID-19	National	Key Note	IEI Tiruchirappalli Local Centre & TNSC	Trichy Online
19	29 th December 2019	Institute- Industry Interaction	National	Key note	NIT Nagpur	Nagpur
20	20 th November 2019	Challenges for India's Higher Education: BEAR- (Brave it, Endure And Rise) LEAP- IIT Kharagpur	National	Speaker	IIT Kharagpur	Kharagpur
21	15 th November 2019	Visitor's Conference 2019	National	Speaker	Rashtrapathi Bhawan	Delhi
22	11 th April 2019	Higher Education Landscape in India	International	Panelist	Scotland Chamber of Commerce & CII	Scotland
23	7-9 th Sept 2018	International Leadership summit	International	Key note speaker	IEEE Women in Engineering	Kochi
24	23 rd July 2018	Panel- Cyber Physical systems Simulation PES GM 2018	International	Panelist	IEEE PES USA	Portland
25	22 nd July 2018	Visitor's Conference 2018	National	Speaker	Rashtrapathi Bhawan	Delhi
26	Dec 17-20 th 2015	12th INDICON2015	International	General Chair	IEEE, JMI	Delhi
27	April 8-10, 2015	GRIDTECH	International	Delegate	POWERGRID	Delhi
28	January 22-25 2015	IEEE-IEEMA Intellect 2015	International	Moderator and panel Speaker	IEEE-IEEMA	Mumbai
29	July 27-31 2014	IEEE Power and Energy Society, Annual General Meeting (PES GM)	International	LRP delegate	IEEE PES society	Washington DC USA

30	Dec 12-13 2013	International Conference	International	Keynote speaker	Mar Athanasius College (MA College)	Kothamanga lam, Kerala
31	Nov 10-12 2013	IEEE Innovative Smart Grid Technologies, ISGT	International	Panel moderator and Speaker	IEEE Power and Energy Society Kerala chapter	Bangalore, Karnataka India
32	July 21-25 2013	IEEE Power and Energy Society, Annual General Meeting (PES GM)	International	Paper Presenter and LRP member	IEEE PES society	Vancouver, Canada.
33	April 3-5 2013	Grid Tech	International	Delegate	POWERGRID	New Delhi
34	July 18-24 th 2012	IEEE Power and Energy Society, Annual General Meeting (PES GM)	International	Paper Presenter and LRP member	IEEE PES society	San Diego, USA
35	Dec 1-3 2011	IEEE Innovative Smart Grid Technologies, ISGT	International	Session chair, Panel member and presenter	IEEE Power and Energy Society Kerala chapter	Kerala
36	2010, Dec 20-23	IEEE International Conference: PEDES-	International	Organizer, Session Chair and Presenter	IEEE Power and Energy Society Delhi Chapter	New Delhi
37	8-9 December 2010	Power System Protection and Automation- 5 th International Conference	International	Paper presenter	Central Board of Irrigation and Power, (CBIP) GOI	New Delhi
38	October 12- 15 2008	IEEE International Conference, POWERCON-2008	International	Organizer, Session Chair and Presenter	IEEE Power and Energy Society Delhi Chapter	New Delhi
39	18-21 st November 2008	IEEE TENCON 2008, Hyderabad,	International	Presenter	IEEE Hyderabad section	Hyderabad
40	April 10-12 2006	IEEE International Conference, PIC 2006, New Delhi April 10-12	International	Organizer, Session Chair and Presenter	IEEE Power and Energy Society Delhi Chapter	New Delhi
41	December 12-15, 2006	IEEE International Conference, PEDES 2006 New Delhi	International	Organizer, Session Chair and Presenter	IEEE Power and Energy Society Delhi Chapter	New Delhi
42	20-21 December 2005	International Seminar on Power Transmission Research Interests and challenges	International	Presenter	Central Power Research Institute, CPRI Bangalore	Bangalore
43	30 June, 1 July 2005	Confluence, Indo-Pak conference	International	Organizer	IEEE Delhi Section	New Delhi

44	June 6-10, 2004	IEEE PES Meeting at Denver Colorado,	International	Presenter	IEEE Power and Energy Society	Denver USA
45	November 17-18, 2004	Third International Conference on Protection and Automation, New Delhi	International	Presenter	Central Board of Irrigation and Power, (CBIP) GOI	New Delhi
46	June 2002	35 th Midwest symposium on Ckts and systems	International	Paper Presenter	University of Maryland, USA	Washington DC USA
47	28-30 th October 1998	Conference Protection schemes of Electric Power Apparatus and Systems	International	Paper Presenter	CBIP	New Delhi
48	December 17-19, 1998	TENCON 98	International	Paper Presenter	IEEE	New Delhi
49	3-8 th November 2003	NAAC regional workshop on Capacity building for women managers in Higher education (SAM)	National	Participant	Jawaharlal Nehru University	New Delhi
50	24-28 th October 2005	UGC workshop on Training of trainers for Capacity Building for women managers in Higher education (TOT)	National	Participant	Kurukshetra University	Kurukshetra
51	5 th November 2005	National Conference of Institution of Engineers, Nov 2005	National	Presenter	Institution of Engineers (I)	New Delhi
52	January 8-9 2004	National Conference Automation in Electric Power Distribution systems	National	Organizer, and Presenter	Delhi College of Engineering Delhi	New Delhi

16. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event International / National/ Local	Date (s)	Role	Venue
Opportunities and Challenges in Sponsored Research	National	11 th January 2023	Chairperson	Jamia Millia Islamia
IEEE REEDCON 2023	International	4-6 th May 2023	Co-Patron	Jamia Millia Islamia
Leadership in Academicians Programs (LEAP)	International	4-23 rd February 2019	Programme Director	NIT Trichy & NTU Singapore
12th IEEE INDICON 2015	International	17-20 th December	General Chair	Jamia Millia

		2015	& Tech Prog Committee Chair	Islamia
Right to Information Workshop	Local	28 th February 2013	Coordinator	Jamia Millia Islamia
IEEE International Conference IICPE	International	6-9 th December 2013	Publicity Chair, Org committee	Delhi Technological Univ. Delhi
Curriculum Revision workshop	Local	3-4 th December 2012	Coordinator, M Tech program	Jamia Millia Islamia
POCOSO Dispatcher Training	National	26-30 th November 2012	Coordinator	Jamia Millia Islamia
TEDeX JMI Independent TED event	National	21 st October 2011	Staff Advisor	Jamia Millia Islamia
POCOSO Dispatcher Training	National	5-9 th September 2011	Coordinator	Jamia Millia Islamia
All India Student Congress	National	29-30 th September 2011	General Chair	Jamia Millia Islamia
POCOSO Dispatcher Training	National	12-16 th April 2011	Coordinator	Jamia Millia Islamia
IEEE International Conf. TENCON 2008	International	19-21 Nov 2008	Vice chair, Tech Comm.	New Delhi
Right to information Workshop	Local	10 th October 2010	Coordinator	Jamia Millia Islamia
POCOSO Dispatcher Training	National	9-13 th August 2010	Coordinator	Jamia Millia Islamia
125 th Anniversary Student congress	International	18-20 th July 2009	General chair	National University of Singapore (NUS)
Asia- Pacific Student congress	International	28-31 st January 2008	General chair	Chennai
Workshop on Capacity building for women managers in Higher Ed.	National	13-18 th November 2006	Coordinator	Jamia Millia Islamia
All India Student Congress	National	29-30 th June 2006	General Chair	Jamia Millia Islamia
Indo-Pakistan student meet	International	5-6 th February 2005	General chair	Jamia Millia Islamia
Tutorial on Gas Insulated Substation/ Gas Insulated Transmission line	National	1 st August 2005	Coordinator	Jamia Millia Islamia
SCADA and Industrial Automation: Training program	National	21-25 th July 2003	Coordinator	Jamia Millia Islamia
SCADA and Industrial Automation:	National Training program	19-23 August 2003	Coordinator	Jamia Millia Islamia
Tutorial on SCADA and Substation Automation	National	2-3 December 2003	Coordinator	Jamia Millia Islamia
Management of Higher Education: 21 st century	National	9 th February 2002	Organizing Secretary	Jamia Millia Islamia

challenges, Workshop				
Environmental Challenges for the New Millennium	International	25-28 th November 1999	Organizing Secretary	India International Center ND
Arranged the Invited lectures of the following Distinguished Professionals at Jamia Millia Islamia for the benefit of students and Faculty members				
Topic		Date	Name	Affiliation
Grid Operations in India		10 th Oct 2012	Mr . Vivek Pandey	PGCIL, New Delhi
Technology and Market penetration issues in Renewable energy (half day workshop)		30 th March 2012	Prof. Saifur Rahman	ARI, Virginia Tech, USA
Career counseling for Electrical Engineers		25 th Feb 2012	Ms Usha Albuquerque	Career Smart
'Smart Grid basics		15 th April 2011	Dr Kannan Tinnium,	GE GRC New York,USA
Smart Grid (Half day workshop)		10 th Feb 2011	S K Soonee, Ravindra Joshi,	CEO, POSOCO GM, NDPL
Challenges in Grid Operation		13 th August 2010.	S.K. Soonee	CEO, POSOCO
Adaptive Predictive control		14 th Sep 2010	Prof. Juan Martine Sanchez	Madrid, Spain
Intelligent Distributed Autonomous Power Systems		13 th Jan 2009	Dr. Manissa Pippatttanosomporan	Virginia Tech USA
Smart Grids: an Introduction		11 th Sept 2009	Umesh Singh	GE Energy T&D, Florida, USA
'IEC61850& Synchro Phasors		3 rd Nov, 2009.	Neeraj Goel,	Schweitzer Engineering Laboratories
'Smart Grids for India'		6 th Oct 2009	Anamika Bhargava	Director, GE Energy
Technology innovations: an insight		29 th Oct 2008	Prof. P V Indiresan	Former Director IITMadras
"An Introduction to micogrid as a building block for the Distribution level smart Grid"		21 st Oct 2008	Prof. Saifur Rahman	Director, ARI Virginia Tech, USA
Phasor measurement Units in wide area control: an insight		6 th February 2008.	Mr. Piyush Ohja	Director, Research at Kalki Tech, Bangalore
Communication Protocols In Power system SCADA		11 th Dec 2007	Mr. Piyush Ohja	Do
Renewable energy and integration with the grid		5 th March 2007	Prof. Saifur Rahman:	Director, ARI Virginia Tech, USA
Power system Stability		5 th Nov 2005	Dr Prabha Kundur	Powertech labs Canada
Power Electronic controllers (half day workshop)		7 th Oct 2003	Dr Kalyan Sen	Pittsburg, USA
High Voltage Power Transformers		20 th Sept 2002	Dr Kenne Matsuda	CH2MHill, California, USA

17. Invited Talks delivered

Sr. No	Title of the talk delivered with date (International)	Title of Conference / Seminar held on	Organized by
1	<i>Higher Education Landscape in India</i> 11 th April 2019	CII Delegation to UK, Scotland & Ireland	<i>Scotland Chamber of Commerce in Association with CII</i>
2	<i>'Wake up grab opportunities'</i> 7 th September 2018	<i>International Leadership summit</i>	<i>IEEE Women in Engineering, USA</i>
3	<i>Cyber-physical testbed for SCADA and Substation Automation using IEC 61850</i> 2 nd August 2018	<i>Panel- Cyber Physical systems Simulation PES GM 2018</i>	<i>IEEE PES USA</i>
4	Power System SCADA and Smart grids 23 September 2016	Keynote address Symposium on Smart Distribution Systems	National University of Singapore (NUS)
4.	Distribution Automation in a Smart Grid Environment 23 September 2016	Distinguished Lecture Symposium on Smart Distribution Systems	National University of Singapore (NUS)
5	Power System SCADA and Smart grids 22 September 2016	Distinguished Lecture	University of Technology, Mara Malaysia
6	Power System SCADA and the automation labs at Jamia 23 rd Nov 2015	Invited lecture	University of Minnesota, Twin Cities, USA
7	Evolution of Smart Protection system 1 st Dec 2014	Keynote address PECON 2014	Kuching Sarawak, Malaysia
8	Fundamentals of Supervisory Control and Data Acquisition (SCADA) systems & their use in Power Systems 1 st Dec 2014	Tutorial PECON 2014	Kuching Sarawak, Malaysia
9	Power Automation 29 th Aug 2014	Keynote Speaker	Middle East Technical University(METU), Ankara
10	Microgrid establishment in the SCADA lab 1 st Aug 2014	Collaborative disucssion	ARI, Virginia Tech, USA
11	Indian Power Sector: An Overview 18th Feb 2013	Invited lecture	Electric Reliability Council of Texas (ERCOT)
12	SCADA in Power systems and Power Automation laboratories at JMI 18 th Feb 2013	Invited lecture	University of Texas, Austin, USA

13	Power System Operations in India 18 th Feb 2013	Invited lecture	Electric Reliability Council of Texas (ERCOT), Austin
14	SCADA and Power Automation laboratories at JMI 18 th Feb 2013	Invited lecture	Texas A&M University College station, Texas, USA
15	An overview of SCADA in Power System' 10 th January 2011	Invited lecture	California State University North Ridge, USA
16	Smart Grid Deployment: Reliable communication infrastructure for SCADA Applications 24 th September 2012	Indo- Netherlands (DST-NWO) Joint workshop Smart Grid Research	Technical University of Delft (TU Delft), The Netherlands
17	Use of SCADA systems in Power sector and SCADA labs at Jamia 1 st March 2005	Invited lecture	National University of Singapore (NUS), Singapore
18	SCADA and SCADA Labs at Jamia 24 th June 2004	Invited lecture	Advanced Research Institute (ARI), Arlington, USA
19	Engineer life cycle value addition 20 th Aug 2011	IEEE Sections Congress	San Francisco, USA
20	World 2020: Technology Innovation, 18 th July 2009	IEEE 125 th Anniversary Student congress	Singapore
21	Innovative Engineering student 20 th September 2008	IEEE MGA sections congress	Quebec City, Canada
22	Global Integrated Network (GINI) 30 th August 2008	IEEE Region 8 (Europe-Africa) student branch and GOLD congress	Queen Mary University, London
23	Organizing a transition from student to Graduate of the last decade 14 th July 2006	IEEE Asia[Pacific Student/GOLD/WIE congress,	Beijing China
24	Networking of Engineering students in India 16 th July 2002	Asia Pacific Student congress	National University of Singapore, NUS Singapore
Sr. No	National	Title of event/lecture	Organised by
1.	Women and leadership 9 th February 2023	Key note address	Avinashilingam Women's Uni. TNv
2	Convocation Address 15 th October 2022	4 th Convocation, IIT Tiruchirappalli	IIT Tiruchirappalli
3	<i>Big Data Applications In Power Systems</i> 17 th January, 2022	<i>6th International Conference on Data Management, Analytics and Innovation</i>	<i>Society for Data Science</i>
4.	'Women in Academics' 27 th December 2021	<i>ATAL FDP on Life Skill Management - Your signature is your Identity</i>	NIT Tiruchirappalli
5	<i>National Education Policy 2020 Implementation at NITT</i> 25 th October 2021	<i>'Roadmap For Implementation Of NEP 2020 In HEIs'</i>	NIT Puducherry
6	<i>Skill India Mission An Academia Perspective</i> 24 th June 2021	<i>A Conversation on Skill India Mission – The Way forward</i>	CII National

7	<i>SCADA and Smart Grid 7th June 2021</i>	<i>STTP on Role of Energy Management Systems in Smart Grid</i>	Jamia Millia Islamia
8	<i>Women Leaders of Tomorrow: Spearheading transformations in the digital Era 11th May 2021</i>	<i>Effectively Building and Leading Educational Institutions- National Technology Day</i>	Digital University of Kerala
9	<i>'My Journey as a researcher' 22nd April 2021</i>	<i>Webinar on NEP 2020 Equitable Use Of Technology For Better Reach In Education</i>	NIT Jalandhar
10	<i>'Technology Integration- Implementation Strategies' 14th April 2021</i>	<i>National Seminar on Implementing NEP-2020 To Transform Higher Education in India</i>	Association of Indian Universities (AIU)
11	<i>An Equal world is an enabled world' 11th January 2021</i>	<i>Int Women's day LPSC 2020</i>	LPSC, ISRO
12	<i>"Wake up, Grab the Opportunities" 28th November 2020</i>	Motivational Lecture	CII & Young Indians
13	<i>Proud To Be A Teacher! 18th November 2020</i>	<i>FDP for new Teachers</i>	Bhartidasan Univ, TN
14	<i>'Eclectic Blend of Multidisciplinary Skill Based Education, Nurturing Creativity and Entrepreneurship' 16th October 2020</i>	<i>Roles And Responsibilities Of Higher Technical Institutions In Effective Implementation Of National Education Policy 2020</i>	NIT Allahabad
15	<i>Implementation of NEP 2020 'Research, Innovation and Digital Transformation in HE' 19th September 2020</i>	<i>Visitor's Conference 2020</i>	Rashtrapathi Bhawan
16	<i>Equitable Use Of Technology For Better Reach In Education 7th August 2020</i>	<i>UGC Conclave On Transformational Reforms In Higher Education-NEP 2020</i>	University Grants Commission & MoE
17	<i>Use of Technology for NEP implementation- NIT Trichy way 2nd September 2020</i>	NEP Implementation	NIT Warangal
18	<i>Challenges and Contributions of Engineering Institutions to Combat COVID-19 12th May 2020</i>	National Webinar	IEI Tiruchirappalli Local Centre & TNSC
19	<i>NIT Tiruchirappalli: Support to Micro, Small & Medium Enterprises 29th December 2019</i>	<i>Institute- Industry Interaction</i>	NIT Nagpur
20	<i>Challenges for India's Higher Education: BEAR- (Brave it, Endure And Rise) LEAP- IIT Kharagpur 20th November 2019</i>	Leadership in Academicians Programs (LEAP)	IIT Kharagpur
21	<i>Best practices at NIT Tiruchirappalli 15th November 2019</i>	<i>Visitor's Conference 2019</i>	Rashtrapathi Bhawan
22	<i>Digital Initiatives At NIT Tiruchirappalli - A Glimpse 22nd July 2018</i>	<i>Visitor's Conference 2018</i>	Rashtrapathi Bhawan

23	Evolution Smart Protection systems 1 st September 2016	Key note address	International Conference on Rajiv Gandhi Institute of Technology, Kerala
24	Evolution Smart Protection systems 13 th June 2016	Key note address	Summer School on Delhi Technological University, Delhi
25	EMS for Control Transmission Control Centres 22 nd April 2016	Invited talk	Delhi Technological University, Delhi
26	SCADA and Power Automation 8 th April 2016	Invited talk	Chitkara University, Chandigarh
27	Smart Cities, a Reality 1 st May 2015	Keynote address	International Conference Saint Gits College of Engg, Kerala
28	Use of SCADA in Power Systems 21 st April 2015	Invited Lecture	Krishna College of Engineering, Delhi
29	SCADA and its applications 12 th March 2015	Invited Lecture	JMI, Department of Mechanical Engg, FDP
30	Smart Cities : India 23 January 2015	Panel moderator and presenter	IEEE -IEEMA Intellect 2015
31	Keynote Panel on Smart Cities: worldwide 23 January 2015	Panel moderator and presenter	IEEE -IEEMA Intellect 2015
32	Smart Cities 10 th January 2015	Invited Lecture	Delhi Technological University
33	Automation Systems 7 th Oct 2014	Invited Lecture	RIT , Kerala
34	Use of SCADA in Power Systems 13 th Sep 2014	Invited Lecture	Delhi Technological University
35	Evolution of Protection systems 21 st July 2014	Invited Lecture	Delhi Technological University
36	Supervisory Control and Data acquisition 16 th March 2013	Keynote Address	AICTE National Seminar on Future of Electric Power Sector
37	SCADA In Power systems and Power Automation Laboratories at Jamia 5 th October 2012	Invited Lecture	Faculty of Technology, Anna University, Chennai
38	An overview of SCADA in Power systems 1 st December 2011	Invited lecture	Amrita Vishwavidyalaya, Kollam, Kerala
39	Women in Engineering Career Challenges 2 nd December 2011	Panel discussion on Women, IEEE innovative Smart Grid Tech Kollam, Kerala	IEEE Power and Energy society Kerala Chapter
40	SCADA in Power Systems 14 th Dec 2011	Winter school on Recent advances in Electrical Powe	Jamia Millia islamia
41	An Introduction to SCADA in Power Systems 27 th July 2011	Invited Lecture	I I T Madras, Chennai
42	SCADA/EMS Overview, architecture, main components, hardware overview 20 th May .2011	Power system Load Dispatch Operator training workshop	PSTI , GOI Bangalore
43	SCADA Communication system Overview 20 th May 2011	Power system Load Dispatch Operator training workshop	PSTI, GOI Bangalore

44	Women in leadership, balancing personal and professional work 18 th Oct 2010	Honeywell 'Women connect'	Honey well, Gurgaon
45	Smart Grid: An Overview 6 th March 2010	Key note address National conference on Advances in Efficient Utilization of Electric Energy	Bharti Vidyapeeth College of Engg, Delhi
46	SCADA Labs at Jamia Miilia Isalmia 17 th April 2009	Invited Lecture	IIT Madras
47	Women in Technology, Some Gender Issues 26 th August 2009	Invited lecture Inauguration of Women in Engineering affinity group	Vellore Institute of Technology (VIT) Vellore
48	Fundamentals of SCADA/EMS technology 4 th May 2009	Power system Dispatcher Training	PGCIL, New Delhi
49	Substation Automation 13 th May 2009	Power system Dispatcher Training	PGCIL, New Delhi
50	SCADA In Power systems 9 th July 2008	Operation and control of Modern Power systems	Malviya National Institute of Technology (MNIT Jaipur)
51	Distribution Automation 9 th July 2008	Operation and control of Modern Power systems	Malviya National Institute of Technology (MNIT Jaipur)
52	Symmetrical Components in Power systems 7 th June 2007	Invited Lecture	Power Grid corporation of India ltd.
53	Short Circuit Analysis in Power Systems 7 th June 2007	Invited Lecture	Power Grid corporation of India ltd.
54	SCADA in Power System 27 th November 2003	National Seminar	Power Grid corporation of India ltd.
55	SCADA in Power Sector Latest Trends 2 nd February 2006	Invited Lecture	Maharaja Aggrasen Institute of Technology (MAIT)
56	Open session Women and leadership 28 th September 2010	UGC SAM workshop on Capacity Building for women manager in Higher education	Jamia Millia Islamia
57	' Women & Academic Leadership 23 rd August 2006	UGC SAM workshop on Capacity Building for women manager in Higher education	Delhi University (Daulat Ram College)
58	Women & Academic Leadership 11 th October 2006	UGC SAM workshop on Capacity Building for women manager in Higher education	Kurukshetra University
60	Women & Academic Leadership November 27 th 2006	UGC SAM workshop on Capacity Building for women manager in Higher education	Kurukshetra University
61	Women in Technology 30 th November 2007	Winter school Women's studies centre	Academic staff college, JMI
62	SCADA for Distribution 4 th September 2003	Training on Distribution Management	Power Management Institute, NTPC
63	Science & Technology for women 30 th September 2006	Workshop women for students	IBM Research Centre, IIT Delhi
64	SCADA Laboratories at Jamia Millia	Key note address National	Maharaja Aggrasen Inst

	Islamia 20 th December 2007	Conference	of Technology, Delhi
65	Introduction to power Sector Automation 20 th December 2004	Winter school	Delhi College of Engineering, Delhi

18. Membership of Learned Societies

Type of Membership	Organization	Membership No. with date
Senior Member	IEEE (Institute of Electrical & Electronic Engineers)	SM 00976613 (1989)
Senior Member	International Society of Automation (ISA)	0034008264
Fellow	Institution of Engineers (I)	F 117383-5 (M 1989)
Fellow	Institute of Electronics and Telecommunication Engineers	F 233935 (2013)
Life Member	ISTE	

19. Academic Foreign Visits

Country	Duration of Visit	Programme
UK, Scotland, Ireland	April 2019	CII Innovation and Entrepreneurship Mission- Lecture on Higher Education Landscape in India
Singapore	February 2019	LEAP- NTU Singapore
United States of America	August 2018	Panelist- Cyber Physical Systems PES GM 2018 Portland, Oregon, USA
Singapore	September 2016	Keynote address and Technical Talk Symposium on Smart Grids (NUS)
Malaysia	September 2016	Distinguished Lecture Program
United States of America	November 2015	Invited lecture at Univ of Minnesota
Malaysia	December 2014	Keynote address and Tutorial at IEEE PECON 2014
United States of America	February 2013	Invited lectures at UT Austin, ERCOT and Texas A&M, USA
United States of America	July 2012	To attend PES GM, San Diego, USA, Invited lecture at ARI, Virginia Tech USA
Netherlands	September 2012	Indo Netherlands Joint workshop on Smart grid Research (TU Delft)
United States of America	January 2012	Invite lectures at California State University, USA
Canada	September 2008	IEEE Sections Congress, Quebec, Canada
England	August 2008	IEEE Europe Africa student congress, Queen Mary University London
Singapore	July 2006	Invite lectures National University of Singapore
United States of America	July 2004	To attend PES GM, Denver, Colorado, USA
United States of America	June 1992	To attend 35 th Mid-west symposium on circuits and systems, Washington DC USA

21. Projects guided at Postgraduate level (M Tech): 26

S. No.	Name of the Student	Title of Thesis	Year
1	Bharat Bhushan	Application of Karlman Filter in Optimal state estimation	1995
2	Ajay Kumar Srivastava	Internet Based Monitoring of a Supervisory Control And Data Acquisition (SCADA) Laboratory	2005
3	Shabnam Jamal	Implementation of Fuzzy _ Genetic Algorithm Based Pre_ processing of RTU data using MATLAB.	2005
4	Debajit Nanda	Development of a Data Ware House for Non Operational Data in Power utility.	2005
5	Ruchy Chitkara	Automation of 11kV switchboards and Load shedding scheme implementation	2006
6	Anupama Prakash	Integration of IEDs Using Legacy and IEC 61850 Protocols	2006
7	Nitin Kumar Srivastava	Waveform Extraction and information exchange for data warehousing in Power Utilities	2006
8	Mayank Pande	Sizing and Placement of Shunt Capacitor in Radial Distribution System	2007
9	Anamika Rai	Coordination of relay IEDs and their Integration with Scada using T103 T104 protocol	2007
11	Nizamuddin	Modelling And Testing of protection Relay IEDs for Substation Automation	2007
12	Amira Nisar	Knowledge Discovery in database from Substation for Decision Support	2008
13	Praveen Poon Terang	Islanding Detection Using Decision Tree Approach	2008
14	Aasish Kumar Singh	Implementation of Under Reach Correction in Transmission Line.	2009
15	Fadi Matti Aziz	Fault Location Algorithm for Power Distribution System.	2009
16	Liyakhat Ali	Application of Wireless Sensor Network to Electrical distribution.	2009
17	Mamta Chamoli	Control strategies for Microgrid	2010
18	Mukesh verma	Networking of Energy meter for Automated Meter Reading	2011
19	Namrata Bhaskar	High Impedance Fault location and isolation using Intelligent Electronic Devices	2011
20	Farhan Siddiqui	Impact of Distributed generation (DG) on Fault Location in Distribution System	2012
21	Ankur Singh Rana	Analysis of Time Delay in Wide-Area Communication for Centralized PMU-Based Applications	2013
22	Shruti Ranjan	Optimization of PMU placement with multiple objectives	2014
23	Afroz Ali	Design of IEC 61850 based substation using back up IED concept	2015
24	Nisha Parveen	Synchrophasor based fault location in Transmission lines with parameter uncertainties	2015
25	Mahrukh	Mitigating Impacts of Load Altering attacks by Leveraging soft open points on Distribution Systems	2023
26	Rassiya Massarat	Optimal Placement of EV Charging Stations in Radial Distribution Network	2023