

Welcome

to

Smart Grid RTDS Research Lab.

Supported by

AICTE RPS

DST FIST (Level-I)

RTDS Technologies Inc., Canada

JMI, Innovative Research Scheme

Professor Ikbal Ali

Lab. In-charge & FIST Program Coordinator

SCADA & Smart Grid RTDS Research Lab.

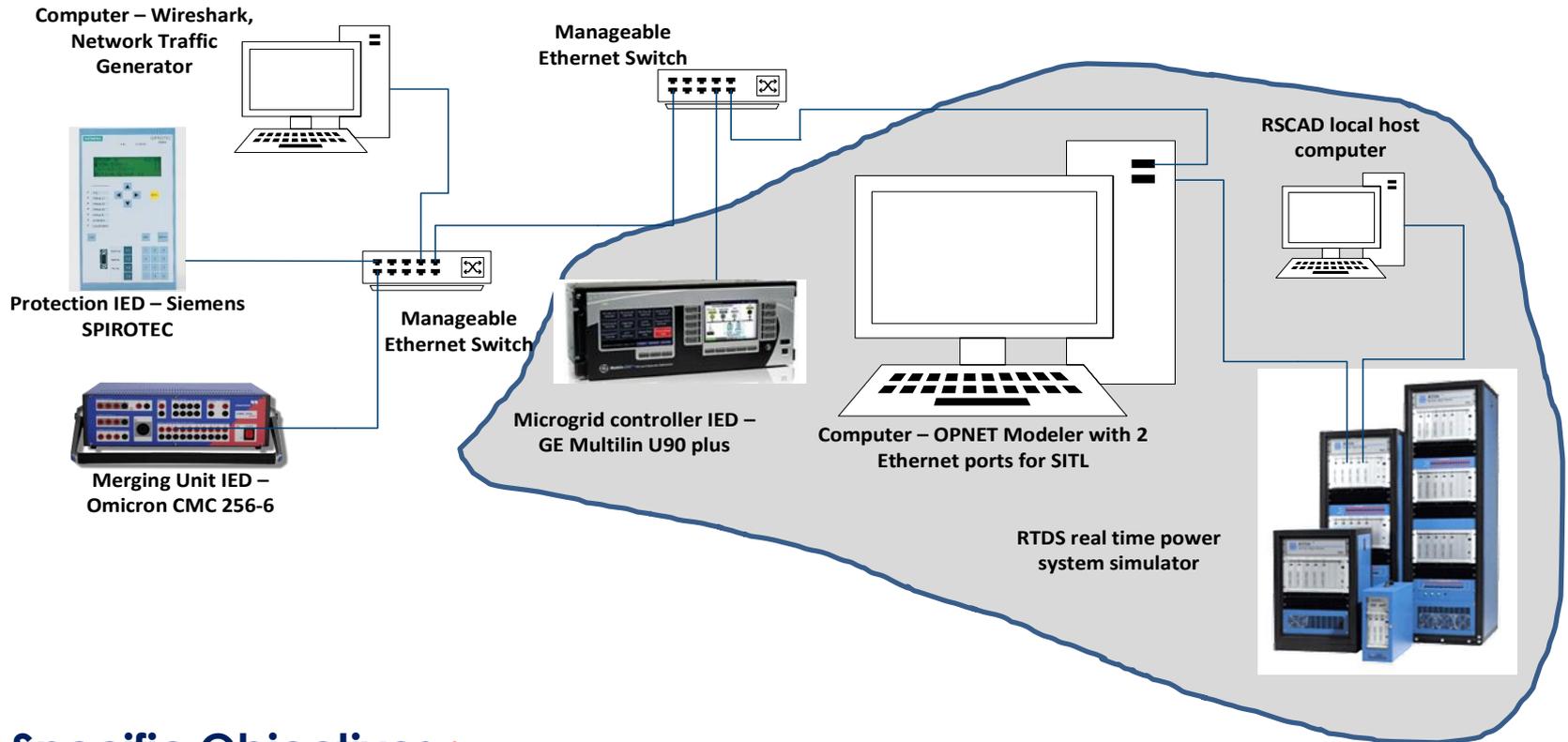


Research Projects by Prof. Ikbal Ali

S. No	PRINCIPAL INVESTIGTOR	TITLE	GRANT RECEIVED	FUNDING AGENCY	YEAR OF SANCTION	YEAR OF COMPLETION
1.	DR. IKBAL ALI	FIST project <i>Real-time Digital Simulation Test bed for studying communication requirements for smart microgrid</i>	Rs. 1.93 Crores,	DST	2016	2021
2.	DR. IKBAL ALI	<i>IEC61850 Communication based Design and Development of Management, Control and Protection Schemes for Microgrid/Smartgrid</i>	15000 USD	RTDS Technologies Inc., CANADA	Apr.-2019	Continuing
3.	DR. IKBAL ALI	<i>Design and Performance Evaluation of Communication Architecture Requirements for Substation Automation System</i>	Rs. 10Lakhs	AICTE	2013	2016
4.	DR. IKBAL ALI	<i>IEC 61850 Standard based Communication Configuration to Integrate Distributed Energy Resources (DER) in Distribution System</i>	Rs. 1Lakh	JMI	2014	2015
5.	DR. IKBAL ALI	<i>IEC 61850 Based Communication Configuration to Integrate DER to Distribution System</i>	800 UDS	IEEE Standards Education Society	2014	2014

•**Co-PI**, Proposed for a Project submitted, by THAPAR Institute of Engg. & Technolgy, Patiala to SERB, DST, Gol.,

FIST Support



Specific Objectives :

- I. **Real-time Digital Simulation Test bed.**
- II. To **model** the required **communication architecture** for a smart grid.
- III. To evaluate the performance of the communication architecture, created in objective I, for different functions of microgrid.
- IV. To carry out the **conformance testing** of different IEDs.
- V. PMU based WAMPAC analysis.

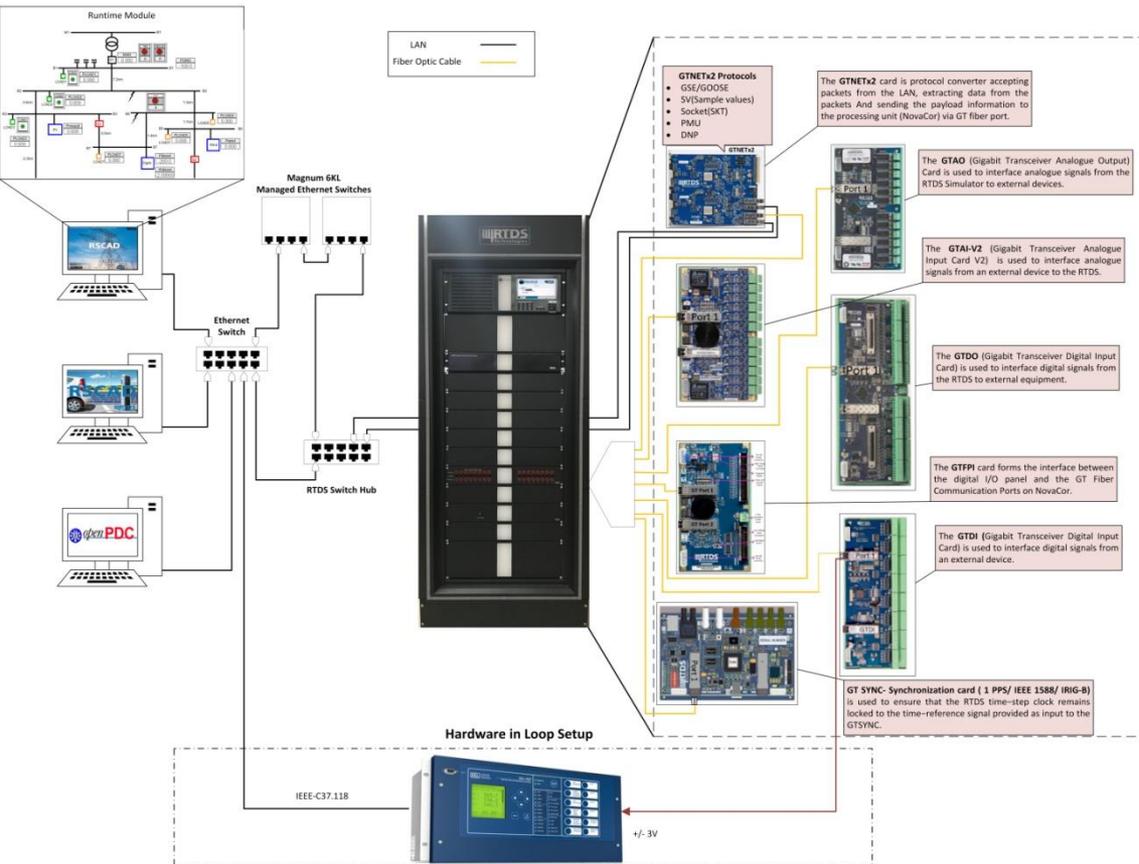
Utilization

Ist Installment of 1.55 Cr. for RTDS Equipments



Smart Grid RTDS Lab. Setup

Department of Electrical Engineering, JMI

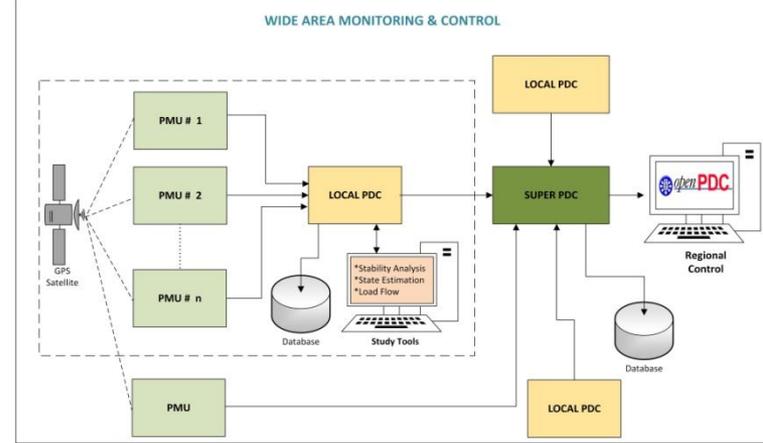


LIST OF EQUIPMENTS

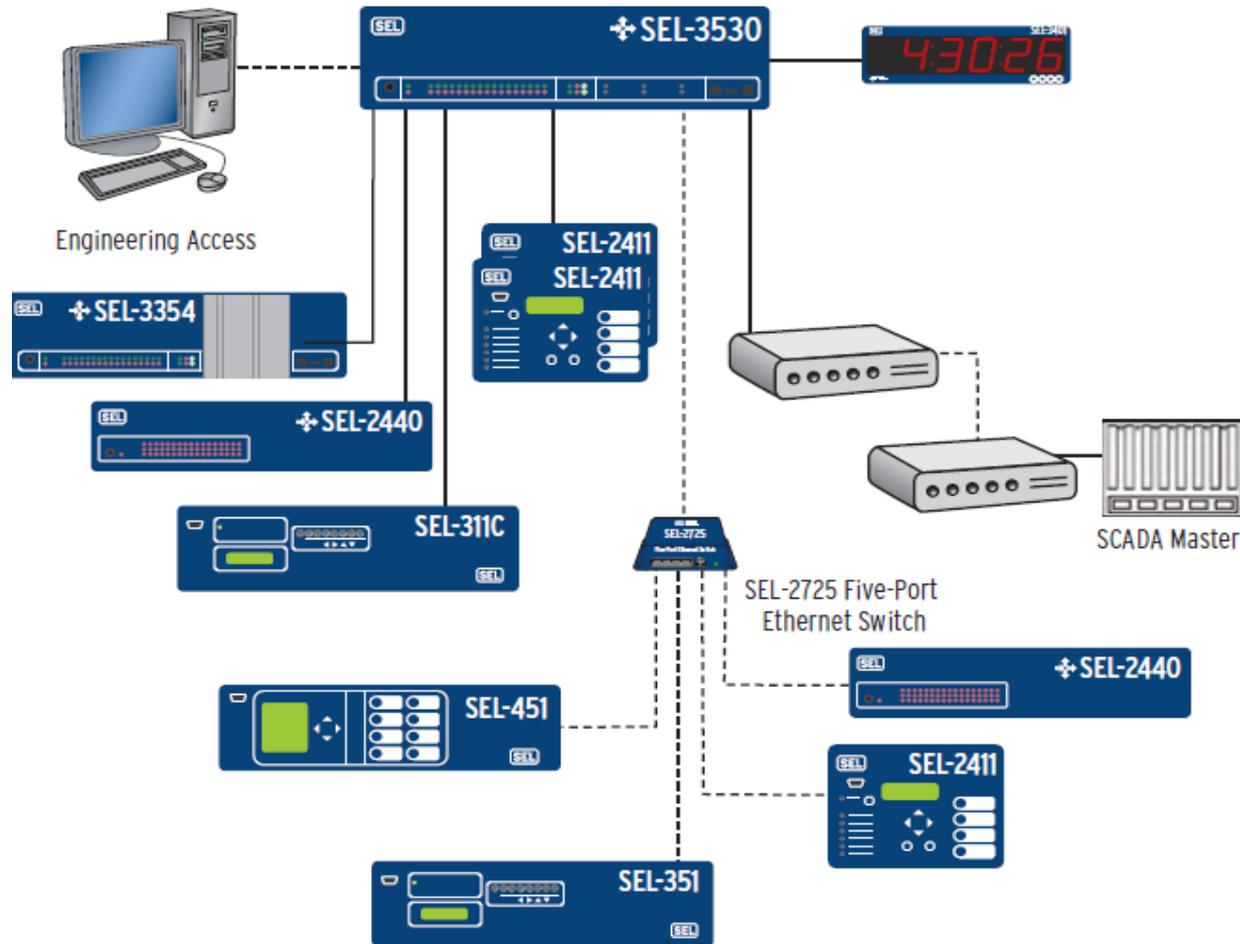
RTDS® Simulator -	Real Time Digital Simulator NovaCor™ operates in Continuous Real time, and can "operate" in a manner similar to a Real power system.
SEL-421 / SEL-451-	Protection, Automation and control system for complete Substation Protection, Control and Monitoring.
MAGNUM 6KL -	These are Managed Ethernet Switches ideal for building a switched, hardened Ethernet network infrastructure, connecting edge devices such as PLCs and IEDs with upstream switches or routers. Designed for use in industrial applications.
PC'S -	Used as work stations.

SOFTWARES

Licensed -	RSCAD® PSCAD™ MATLAB®
Open Source -	Wireshark PMU Connection Tester openPDC - Open Source Phasor Data Concentrator



Smart Grid RTDS Research Lab. Setup based on Equipmen-02 (Real Time Automation Controller, RTAC)



Smart Grid RTDS Research Lab. Setup based on Equipmen-03 (Network Simulator Tools, Riverbed Modeller)

The screenshot displays the OPNET Modeler 17.5 interface. The main workspace shows a world map with a network topology overlaid. Nodes are represented by icons and labeled with names like 'node_1', 'node_2', 'node_3', 'node_4', 'node_5', 'node_6', 'node_7', and 'node_10'. Connections between nodes are shown as red lines. A central node (node_7) is connected to several other nodes. The interface includes a menu bar (File, Edit, View, Scenarios, Topology, Traffic, Protocols, DES, Windows, Help) and a toolbar. An 'Object Palette Tree' window is open on the left, showing a search bar with 'ip vpn config' and a list of network components. The list includes categories like 'Node Models', 'Application Config', and 'Subnet'. A '100BaseT' icon is highlighted in the palette. The bottom of the screen shows the Windows taskbar with the search bar and several application icons.

The splash screen for OPNET Modeler 17.5 -- Educational Version. The window title is 'OPNET Modeler 17.5 -- Educational Version'. The menu bar includes 'File', 'Edit', 'License', 'Windows', and 'Help'. The main area features the OPNET logo with the tagline 'Application and Network Performance'. Below the logo is the 'Modeler' logo with the tagline 'Accelerating Network R&D'. To the right is a circular graphic showing a computer monitor displaying a network simulation. The text 'formerly MIL3' is visible in the bottom right corner. At the bottom, the copyright information reads: '© 1986-2013 OPNET Technologies, Inc. This software product is subject to one or more United States and/or international copyrights and/or trademarks and/or patents, as further described in the About box which may be accessed through product help.'

जेएमआई हुआ स्मार्ट ग्रिड रिसर्च के लिए रियल डिजिटल सिमुलेशन क्षमता से लैस

शहर NDTV Khabar News Desk

जामिया मिल्लिया इस्लामिया यूनिवर्सिटी में स्मार्ट ग्रिड क्षेत्र में अनुसंधान एवं प्रशिक्षण को और उच्च स्तर पर ले जाने में मदद मिलेगी

Updated : October 04, 2018 02:13 IST





“One Week Training Programme”

24th – 28th Sep 2018



Real Time Digital Simulator for Smart Grid under DST FIST Project at SCADA & Smart Grid RTDS Research Lab.

स्मार्ट ग्रिड तकनीक समझाएगा जामिया का सिमुलेटर

समस्या वातावरण, नई दिल्ली: जामिया मिल्लिया इस्लामिया के इलेक्ट्रिकल इंजीनियरिंग विभाग में स्मार्ट ग्रिड टेक्नोलॉजी के विकास के तहत डिजिटल सिमुलेटर (आरटाईएस) स्थापित किया गया। इसमें स्मार्ट ग्रिड क्षेत्र में अनुसंधान एवं प्रशिक्षण को बढ़ावा देने के लिए विद्यार्थियों को मदद मिलेगी।

स्मार्ट ग्रिड की मदद से रिमोट से बिजली की व्यवस्था को किया जा सकता है नियंत्रित विद्यार्थी प्रोजेक्ट को सही से कर सकेंगे विकसित साकार को जग में देख में विकसित की जा रहे स्मार्ट सिटी में भी उपयोग किया गया है। इस सिमुलेटर के जरिये विद्यार्थी अपने प्रोजेक्ट को सही से विकसित कर सकेंगे। स्मार्ट ग्रिड की मदद से बिजली से बिजली की व्यवस्था को नियंत्रित किया जा सकता है। बिजली के क्षेत्र में फंड, मुहैया कराने वाले एजेंसी डिपार्टमेंट ऑफ सॉलर एंड रेनोवाबल के प्रोजेक्ट फिस्ट (फंड फॉर इंफ्लुएंट ऑफ सॉलर एंड रेनोवाबल इनोवेटिव) के जरिये यह सिमुलेटर स्थापित किया गया है।



Dr. Iqbal Ali, A.P. Siddiqui, Prof. Mini's Thomas, Mr. P. K. Agarwal, Prof. Moinuddin, Prof. Z. A. Jeffery, Dr. Bruce Rgby, Mr. Firoz Ahmad



Supported by DST-FIST Grant
Programme Coordinator- Dr. Iqbal Ali

POSOCO Ltd. Load Dispatchers Training & Certification on

SCADA Basics

29th Jan. to 02nd Feb. 2018



Summer/Winter Research Internship (Impact of the FIST Support)

Utilization of Equipment from outside the College

➤ Ph.D. Scholars:

▪ **Ms. Pratiksha Gupta** Guide-Dr. M. A. Ansari, Co Guide- **Dr. Ikbal Ali**

Thesis Proposed Topic: “*Optimization based Supervisory Control of Smart Micro Grid Integration System*”

➤ Summer/Winter Research Internship

S. No	Student /Roll No.	Topic	Course / Institute	Internship Duration
1.	Aditya Chaudhary 15/IEE/001	<i>Protective and Control System Testing Using the Real Time Digital Simulation</i>	M.Tech., GBU Greater NOIDA	28May-01Aug. 2019
2.	Sk. Abdul Aleem 17191D0717	<i>Real-Time Microgrid Synchronization using Phasor Measurement Units</i>	M.Tech., JNTU Anantapur, College of Engg. Pulivendula, AP	12 th Nov.18- 5 th May. 2019
3.	Kartik Bhatia	<i>Smart Grid Technologies</i>	B.Tech, BVCOE, New Delhi	(2 months), 2017
4.	Furqan Nadeem 16FH1D0719	<i>Energy Internet and Graph theory based energy routing in energy local area networks (e-LAN)</i>	M.Tech. Department of Electrical and Electronics Engineering, JNTU , Anantapur	25 Oct.-25 Dec. 2017
5.	Shaik Nabirasool 16FH1D0718	--do--	--do--	--do--
6.	Ashok Tak	<i>Design of IEC 61850 based Protection Schemes for a Power System</i>	B.Tech. , Department of Electrical , IIT Roorkee	03-21 Dec. 2015
7.	Mohit Bhatnagar	<i>STATE ESTIMATION IN MICROGRIDS USING PMU</i>	B.Tech. ,Power Engineering, NPTI , New Delhi	15 June-12 Aug. 2015

38

ti

THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)
Patiala, Punjab
www.thapar.edu

Valid till : June-2021

KUNAL MALIK

801942005
ME-PS



I/131, Phoolbagh G.B. Pant University
Pantnagar Us Nagar Uttarakhand
8630415438
D.O.B. : 29-01-1997
Blood Group : A+

Kunal
Student Signature

Mareh
Dean(Student Affairs)

Dr. Bruce Rigby & Dr. Dinesh Gurusinghe
Training Expert, RTDS Technologies CANADA



Prof. Mohd. Rizwan Khan
AMU Aligarh



Ph.D. Scholars under Prof. Ikbal Ali

S. No.	Student's Name	Topic of Ph.D. Thesis	Status
1.	Dr. Sunil Gupta	Impact of IEC 61850 Protocol on Substation Performance	<i>Degree Awarded, 2015</i>
2.	Dr. Pawan Kumar	Optimal Operation of Automated Radial and Meshed Distribution System	<i>Degree Awarded, 2015</i>
3.	Dr. Nitin Gupta	Integration, Evaluation and Security Analysis of Smart Metering Infrastructure	<i>Degree Awarded, 2016</i>
4.	Dr. Shaik Muhammad Suhail Hussain	Technology Assessment for Designing Communication Requirements of Microgrid	<i>Degree Awarded, 2018</i>
5.	Dr. Mohd. Asim Aftab	SMART Solutions for Active Distributions Systems	<i>Degree Awarded, July-2020</i>
6.	Mr. ViveK Kumar	Communication Design for Control and Protection in Microgrid (Under Visvesvaraya Scheme of MHRD GoI)	Admission Cancelled
7.	Mr. Sunil Kumar	Isolated Micro-Grid with Renewable Hybrid Generation	In-progress, Full-Time
8.	Mr. Abhishek Kumar Gupta	Small Signal Stability Analysis in Micro-Grids under Distributed Control with Communication Latency	In-progress, Full-Time
9.	Ms. Swati Sharma	Energy Efficiency Enhancement through Demand Response in Smart Grid	In-progress, Full-Time
10.	Mrs. Shikha Kuchhal	Reliable and Secure Information Communication for Smart Grid	In-progress, Full-Time

Notable Ph.D. Scholars

PhD Thesis Achievements

PhD Thesis title: *Smart Solutions for Active Distribution Systems and Microgrid*
D/O Electrical Engineering, F/O Engg. & Tech., Jamia Millia Islamia (Central University)



PhD Scholar

Candidate Profile:

Dr. Mohd Asim Aftab

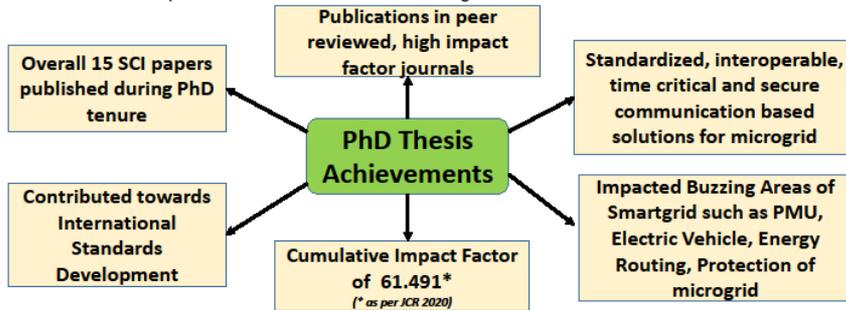
M.Tech (2015), PhD in Electrical Engineering (2015-20) from Jamia Millia Islamia
Current Position:

Assistant Professor, Electrical and Instrumentation Department,
Thapar Institute of Engineering and Technology (Deemed to be University), Patiala
(https://scholar.google.com/citations?user=a4_uWIAAAA&hl=en)
E-mail: mohdasimafatab4@gmail.com; asim.aftab@thapar.edu



PhD Supervisor
Prof. Ikbal Ali

PhD Thesis Title's Impact and Importance: Power system automation is the need of the hour. The automation of microgrid and ADS is unimaginable without Information and Communication Technology (ICT). Standardized and interoperable communication leads to stability, reliability, security and improved power quality. This thesis presents Smart solutions based upon IEC 61850 standard for ADS and microgrid.



S.No.	Selected Publication Details	Impact Factor	Citations (as of July 2020)
1.	Ikbal Ali, Mohd Asim Aftab and S.M. Suhail Hussain, "Performance Evaluation of IEC 61850-90-5 and IEEE C37.118.2 based Wide Area PMU Communication Networks", <i>Journal of Modern Power System and Clean Energy</i> (Springer), Volume 4, Issue 3, pp.487-495, July 2016	3.09	43
2.	Mohd Asim Aftab, S. M. S. Hussain, I. Ali and T. S. Ustun, "IEC 61850 and XMPP Communication Based Energy Management in Microgrids Considering Electric Vehicles," in <i>IEEE Access</i> , vol. 6, pp. 35657-35668, 2018.	3.745	30
3.	S.M. Suhail Hussain, Mohd Asim Aftab and Ikbal Ali, "IEC 61850 Modeling of DSTATCOM and XMPP Communication for Reactive Power Management in Microgrids", <i>IEEE Systems Journal</i> , vol. 12, no. 4, pp. 3215 - 3225, 2018.	3.987	29
4.	Mohd. Asim Aftab, Saeed Rostae, S.M. Suhail Hussain, Ikbal Ali, Mini S. Thomas and Shabana Mehruz, "Performance evaluation of IEC 61850 GOOSE-based inter-substation communication for accelerated distance protection scheme", <i>IET Generation Transmission & Distribution</i> , vol. 12, no. 18, pp. 4089-4098, 2018.	2.862	15
5.	Mohd Asim Aftab, S.M. Suhail Hussain, Ikbal Ali and Taha Selim Ustun, "Dynamic protection of power systems with high penetration of renewables: A review of the traveling wave based fault location techniques", <i>International Journal of Electrical Power and Energy Systems</i> , Volume 114, 105410., January 2020	3.588	8
6.	Mohd Asim Aftab, S. M. S. Hussain, I. Ali and T. S. Ustun, "A Novel SCL Configuration Method for Modeling Microgrids With IEC 61850," in <i>IEEE Systems Journal</i> vol. 14, no. 2, pp. 2676-2683, June 2020.	3.987	5
7.	S.M. Suhail Hussain, Mohd Asim Aftab, Furquan Nadeem, Ikbal Ali and Taha Selim Ustun, "Optimal Energy Routing in Microgrids with IEC 61850 based Energy Routers" <i>IEEE Transactions on Industrial Electronics</i> , vol. 67, no. 6, pp. 5161-5169, June 2020.	7.515	5
8.	Mohd Asim Aftab, S. M. S. Hussain, I. Ali and T. S. Ustun, "IEC 61850-Based Communication Layer Modeling for Electric Vehicles: Electric Vehicle Charging and Discharging Processes Based on the International Electrotechnical Commission 61850 Standard and Its Extensions," in <i>IEEE Industrial Electronics Magazine</i> , vol. 14, no. 2, pp. 4-14, June 2020.	13.593	--

Dr. S.M. Suhail Hussain

PhD (2013 - 2018)

Department of Electrical Engineering
Jamia Millia Islamia (A Central University)

Current position:

AIST Postdoctoral Researcher,
Fukushima Renewable Energy Institute, AIST (FREI),
Koriyama, Japan



PhD Supervisor



Prof. Ikbal Ali

PhD Topic: Technology assessment for designing Communication requirements of microgrid

The major contributions of this research work are:

- IEC 61850 information modeling for electrical power system components such as different Distributed Energy Resources (DERs) (e.g. Photovoltaic (PV) systems, Battery System, Wind plant system, Diesel plants etc), Phasor Measurement Unit (PMU), smart meter, Solar Home System (SHS) and DSTATCOM.
- Robust, deterministic and interoperable communication for microgrid.
- IEC 61850 based energy management automation in microgrids.
- Communication design for charging management of Electric Vehicle (EV) in a microgrid.
- Development and testing of real time communication of microgrid through hardware in loop (HIL) system.

S.No.	Publication Details	Impact Factor	Citations (as of July 2020)
1.	Ikbal Ali and S.M. Suhail Hussain, "Communication Design for Energy Management Automation in Microgrid", <i>IEEE Transactions on Smart Grid</i> , vol. 9, no. 3, pp. 2055-2064, 2018.	8.267	48
2.	Ikbal Ali, S.M. Suhail Hussain, Ashok Tak and Taha Selim Ustun, "Communication Modeling for Differential Protection in IEC 61850 Based Substations", <i>IEEE Transactions on Industry Applications</i> , vol. 54, no. 1, pp. 135-142, 2018.	3.488	34
3.	S.M. Suhail Hussain, Taha Selim Ustun, Paul Nsonga and Ikbal Ali, "IEEE 1609 WAVE and IEC 61850 Standard Communication Based Integrated EV Charging Management in Smart Grids", <i>IEEE Transactions on Vehicular Technology</i> , vol. 67, no. 8, pp. 7690-7697, Aug. 2018.	5.379	30
4.	S.M. Suhail Hussain, Mohd Asim Aftab and Ikbal Ali, "IEC 61850 Modeling of DSTATCOM and XMPP Communication for Reactive Power Management in Microgrids", <i>IEEE Systems Journal</i> , vol. 12, no. 4, pp. 3215 - 3225, 2018.	3.987	29
5.	S.M. Suhail Hussain, Ashok Tak, Taha Selim Ustun and Ikbal Ali, "Communication Modeling of Solar Home System and Smart Meter in Smart Grids", <i>IEEE Access</i> , vol. 6, pp. 16985-16996, 2018.	3.745	27
6.	Mohd. Asim Aftab, Saeed Rostae, S.M. Suhail Hussain, Ikbal Ali, Mini S. Thomas and Shabana Mehruz, "Performance evaluation of IEC 61850 GOOSE-based inter-substation communication for accelerated distance protection scheme", <i>IET Generation Transmission & Distribution</i> , vol. 12, no. 18, pp. 4089-4098, 2018.	2.862	15
7.	Ikbal Ali and S.M. Suhail Hussain, "Control and Management of Distribution System with High Penetration of DERs via IEC 61850 based Communication", <i>Engineering Science and Technology, an International Journal</i> , vol. 20, no. 3, pp. 956-964, 2017.	3.219	13
8.	S.M. Suhail Hussain, Mohd. Asim Aftab, Ikbal Ali and Taha Selim Ustun, "IEC 61850 based Energy Management System using Plug-in Electric Vehicle & Distributed Generator During Emergencies", <i>International Journal of Electrical Power & Energy Systems</i> , vol. 119, 105873, 2020.	3.588	1

Research achievements:

- Published more than 65 papers in peer reviewed international journals and conferences, including 40 papers in SCI journals.
- Received Grants worth USD 500 from IEEE Standards Education Society.
- Awarded Maulana Azad National Fellowship (MANF) for PhD.



On

'Role of Energy Management in Smart Grid'

Schedule of the STTP

This STTP program will be conducted from 22-27 March 2021.

Registration

Eligibility:

Faculty Members/Research Scholars /
M.Tech Students/Industry Professionals

*You are required to fill the Google Form at
the following link:

<https://forms.gle/2U5sSGr4cqCVLfrZ9>

Last date for filling google form -3rd June 2021

Intimation of confirmation – 5th June 2021

Commencement of STTP - 7th June 2021

**Seats are
limited** and will be
confirmed on first come
first serve basis.

The daily schedule will be in three sessions 9.30
am-11.30 am, 11.30 am - 1.30 pm and 2.30 pm -
4.30 pm.

For any STTP related Query, Please contact
Email: JMI.Smartgrid.STTP@jmi.ac.in
Prof. Ikbali- 9891478481

PATRON

Prof. Najma Akhtar

Vice-Chancellor's, JMI, New Delhi

Prof. Anil Dattatraya Sahasrabudhe

Chairman, AICTE

MENTOR

Dr. Nazim Husain Al-Jafri

Registrar, JMI, New Delhi

General Chair

Prof. Ibraheem

Dean, F/o Engg. & Technology, JMI, New Delhi

Chairman

Prof. Munna Khan, HoD, Electrical Engg.

Program Organizing Committee

Prof. A. .Q. Ansari

Prof. Shabana Mehfuz

Prof. Zaheeruddin

Dr. Haroon Ashfaq

Prof. Majid Jamil

Dr. Rajveen Singh

Prof. A. S. Siddiqui

Dr. Arunesh K. Singh

Prof. Shakeb A. Khan

Dr. Ahteshamul Haque

Prof. Tariqul Islam

Dr. Abrar Ahmad

Prof. Manaullah

Dr. Mohd. Sarwar

Program Monitoring Committee (PMC)

Dr. Nazim Husain Al-Jafri, Chairperson, PMC

Prof. Ibraheem, Member Secretary, PMC

Prof. Munna Khan, HoD, Electrical Engg., Member PMC

Prof. Tanveer Ahmad, HoD, E&C Engg., Member PMC

Prof. Shahida Khatoon, Member PMC

Prof. Naimul Hasan, Member PMC

Prof. Ikbali, Member PMC

AICTE Sponsored Online
One Week Short Term Training Programme
On

'Role of Energy Management System in Smart Grid'



Organized by

DEPARTMENT OF ELECTRICAL ENGINEERING
(NBA Accredited)

Coordinator

Prof. Ibraheem

Co-coordinator

Prof. Ikbali

JAMIA MILLIA ISLAMIA

Jamia Nagar, New Delhi-110025.

Ph: +91(11)-26981717, 26982651

<https://www.jmi.ac.in/electrical>

Conference



TRAINING PROGRAMS

S. No.	Title of Research Project (with specific period)	Funding Agency	Period	Grant/Amount Mobilized (Rs. Lakhs)	Whether you are the Main/co-consultant	Status Ongoing/Completed
1.	POSOCO Load Dispatchers Training & Certification	POSOCO Ltd.	23—27 Feb. 2016	5.0	co-consultant	Completed
2.	POSOCO Load Dispatchers Training & Certification	POSOCO Ltd.	29 Jan. – 2 nd Feb. 2018	5.7	CONSULTANT	Completed
(Note: Enclose all relevant documents in sequence)						



Prof. Ikbal Ali
Guest Editor
Elsevier Journal
of
Computer and
Electrical
Engineering
(Special Issue)

5/11/2018

Jamia Millia Islamia Mail - [CAEE] VSI:mcgs - Confirmation Letter



Ikbal Ali <iali1@jmi.ac.in>

[CAEE] VSI:mcgs - Confirmation Letter

Jiao, Qian (ELS-BE) <q.jiao@elsevier.com> Thu, Feb 1, 2018 at 1:20 PM
To: "pawanror@gmail.com" <pawanror@gmail.com>, "srete@etfos.hr" <srete@etfos.hr>, "iali1@jmi.ac.in" <iali1@jmi.ac.in>
Cc: "Sandacoumar, Sudhakar (ELS-CHN)" <s.sandacoumar@elsevier.com>, Manu Malek <mmalek14@verizon.net>

Dear Ikbal Ali, Pawan Kumar, Srete Nikolovski,

On behalf of Elsevier and the Editors of *Computers and Electrical Engineering*, I would like to thank you for agreeing to serve as Guest Editors of the *Special Issue on Innovative Technologies for Micro-grid and Smart-grid Systems*. I hope you will find the experience both a rewarding and interesting one. At any stage during the publication process please do not hesitate to ask questions or request assistance, I will always be glad to help.

In this email I briefly summarize some key dates and information to give you a better understanding of what is required from you. Please also find attached the Guest Editor Guidelines for more information.

1. Submission & Peer Review Timeline:

* **Submission deadline: 31 May 2018:** All papers should be submitted before this date and the option to submit online via the submission system (EVICE) will be closed.

* **Acceptance deadline: 31 December 2018:** All manuscripts must be peer reviewed and final decisions (accept or reject) made for all articles by this date.

I will monitor progress towards these deadlines and cooperate with you to ensure we adhere to the schedule as closely as possible.

3. Peer Review & Submission System:

As Guest Editor you are responsible for ensuring that the peer review process for this special issue is conducted in an appropriate manner and in line with review practices for the journal. To facilitate the review process we will arrange access to the Elsevier Editorial System (EVICE) for you. The Journal Manager, Sudhakar Sandacoumar, will be in contact with you to discuss how to use EVICE to manage your special issue. Following this you may invite authors to submit their manuscripts via EVICE.

You may also find the EVICE Interactive Tutorials a useful resource: <https://www.elsevier.com/editors/elsevier-editorial-system>

System set up:

- **This special issue will be set up in EVICE, hence please register yourself [HERE](#) if not done already. Upon Your registration, the submission portal will be opened.**



AWARD CERTIFICATE

IEEE Standards Education Grant Recipient

*Approved by the IEEE Standards Education Committee
for project and final student paper*

“TEC 61850-7-420 based Communication Configuration
to Integrate DER to Distribution System”

Ikbal Ali

3 February 2015

A handwritten signature in black ink, appearing to read "James M. Irvine", written over a horizontal line.

Dr. James M. Irvine
Chair, IEEE Standards Education Committee



7/23/2019

Jamia Millia Islamia Mail - Fwd: Faculty Endorsement::IEEE Standards Education Grant Application for Student Application Papers I...



JMI
Mail

Ikbal Ali <iali1@jmi.ac.in>

Fwd: Faculty Endorsement::IEEE Standards Education Grant Application for Student Application Papers Implementing Industry Standards

Jennifer McClain <j.mcclain@ieee.org>
To: Ikbal Ali <iali1@jmi.ac.in>

Mon, Feb 9, 2015 at 8:30 PM

Dear Professor Ikbal Ali:

As faculty advisor for the accepted final student application paper listed below, you are entitled to receive a US \$300.00 honorarium.

In order to process this payment, could you please complete and sign the attached w8 form? We can send you a check in US dollars via Federal Express or we can wire transfer the funds to your account. The wire transfers to India can take several weeks to complete. If you would like, please complete the yellow highlighted areas of the attached wire transfer form.

Thank you very much once again for your support of the IEEE Standards Education Grant program. If you have any questions, please [do not hesitate to contact me](#).

Best regards,
Jennifer

Cash
Price

