

List of Ph.D. Thesis in progress

Subject: Power Systems, Machines, Power Electronics			
S. No.	Name of Candidate	Name of Supervisors	Title
1.	Reetu	Dr. Shabana Mehruz Prof. Parmod Kumar	Intelligent Decision Support Systems for Power System Restoration
2.	Noorul Islam	Prof. A. Q. Ansari Dr. V. K. Chandna	Optimization And Reliability Analysis Of Intelligent Photovoltaic System
3.	Arkan Ahmad Hussein	Prof. Ibrheem Dr. Naimul Hasan	Decentralized AGC Strategies in Interconnected Power Systems Incorporating Parallel AC/DC Links
4.	Amira Nisar	Prof. Mini S. Thomas	Design and Implementation of a Self Reliant Intelligent Distribution System
5.	Parveen Poon Terang	Prof. Mini S. Thomas	Intelligent Strategies for Distributed Generation Interface in a Smart Grid
6.	Mayank Pande	Prof. Zaheeruddin	Disaster Management in Electrical Power Distribution Sector
7.	Rajveer Singh	Prof. Majid Jamil	Faults Identification In Power Systems Using Soft Computing Techniques
8.	Amit Sharma	Prof. Majid Jamil	Electrical Distribution System Restoration Using Intelligent Techniques
9	Sanjeev Kumar Sharma	Prof. Majid Jamil	Fault Detection and Identification of Three Phase Transmission System Using Intelligent Techniques
10.	Reshma Ehtesham	Prof. Shahida Khatoon Prof. Ibraheem	Design of Intelligent Control Strategies for Wind Power System
11.	Manisha Rani	Prof. A. S. Siddiqui	Power System Loadability Enhancement by Using FACTS Controllers
12.	Abrar Ahmad	Prof. A.S. Siddiqui	Challenges and Solutions for Integrating Renewable Energy Sources

13.	Naqui Anwer	Prof. A.S. Siddiqui	FACTS Controllers for Smart Grid Management
14.	Arvind Kumar Sharma	Dr. Manaullah	Transient Fault Analysis of an Intelligent Distributed Generation System
15.	Jitendra Nath Rai	Dr. Naimul Hasan Dr. B.B. Arora	Optimization of Electrical Generator Output at Varying Input Conditions in Combined Cycle Gas Turbine
16.	Shuaib Farooq	Dr. Naimul Hasan Prof. Ibraheem	Real Time Simulation of Advance Controllers for Automatic Generation Control of Interconnected Power Systems
17.	Sunil Gupta	Dr. Ikbal Ali Prof. Mini S.Thomas	Impact of IEC 61850 Protocol on Substation Performance
18.	Pawan Kumar	Dr. Ikbal Ali Prof. Mini S.Thomas	Optimal Operation of Automated Radial and Meshed Distribution System
19.	Surendra Kumar Tripathi	Dr. Haroon Ashfaq	Performance Improvement of a Grid-Interactive Wind Energy Conversion System (WECS)
20.	Abdul Salam	Dr. Haroon Ashfaq	Development of Sustainable Approach for the Design of Solar Photo Voltaic (SPV) Based Power System
21.	Mashhood Hasan	Prof. A. Q. Ansari Prof. Bhim Singh	Analysis Design and control of unfired power quality conditioners
22.	Annu Govind	Prof. Mini S.Thomas Dr. V K Chandna	Active Power Filters for Harmonics Reduction in Distribution System
23.	Ahteshamul Haque	Prof. Zaheeruddin Prof. Sukumar Mishra	Intelligent Techniques For The Design And Development Of Maximum Power Point Tracker Of A Single Phase Solar Photovoltaic System
24.	Munish Manas	Prof. Zaheeruddin Dr. Subir Sen	Design and Optimization of a Smart Micro-Grid towards Sustainability
25.	Ahmed Sharique	Prof. Majid Jamil	

	Anees		Integration of Renewable Energy Sources and Grid management
26.	Ravi Gupta	Prof. Majid Jamil Dr. Mukhtiar Singh	Control and Performance Analysis of Permanent Magnet Synchronous Generator Based Wind Energy Conversion System
27.	Priti	Prof. Shahida Khatoon Prof. Ibraheem	Soft Computing Techniques based Load Forecasting
28.	Md Sarwar	Prof. A.S.Siddiqui	Power Transaction Management In Competitive Electricity Market
29.	Shahzad Ahsan	Prof. A.S. Siddiqui	Issues And Challenges Related With Integration Of Non-Conventional Energy Sources into the Existing Power System Network
30.	Ashish Digamber Thombre	Dr. Manaullah	Intelligent power controller for Standalone Photovoltaic Energy Conversation System
11.	Samiuddin Ahmad	Dr. Naimul Hasan Prof. Ibraheem	ABT Based Strategies for Automatic Generation Control in Interconnected Power Systems
31.	Tanmoy Deb	Prof. A. S. Siddiqui	FACTS Based Congestion Management in Transmission Grids under Deregulated Environment
32.	Raj Kumar	Prof. Zaheeruddin Prof. V. K. Jain	An Eco-Friendly System Approach to Energy Planning in India
33.	Radhakrishna Mahajan	Prof. A. Q. Ansari Dr. Leena G.	Voltage Profile Enhancement And Transmission Loss Minimization Incorporating Unified Power Flow Controller
34.	Md. Ehtesham	Prof. Majid Jamil	Control Strategies for PV System in Distribution Network
35.	Mohd Faisal Jalil	Prof. Shahida Khatoon	Modeling, Simulation and Analysis of Solar Photovoltaic Array under partial shading conditions
36.	Mohd Tauseef Khan	Prof. A. S. Siddiqui	Transmission Management in Deregulation Power System
37.	Mohammad Shariz Ansari	Dr. Manaullah	Techno-Economic Investigations Of Renewable Energy Options For Islands
38.	Yudhishtir Pandey	Dr. Naimul Hasan Prof. Ibraheem	Evaluating Nodal Prices and Decomposition in Power System

39.	S. Muhammad Suhail	Dr. Ikbal Ali	Economic Dispatch for Stable Operation of Microgrids
40.	Mohammad Saood	Dr. Haroon Ashfaq	Design and Modeling of a Standalone Hybrid Wind and Micro-Hydro Power System
41.	Rahul Pateriya	Dr. Haroon Ashfaq	Energy-Reliability optimization of Wind Energy Conversion Systems

Subject: Control Systems, Instrumentation

1.	Sapna Katiyar	Prof. A. Q. Ansari Prof. Ibraheem	Ant Colony Optimization Based Adaptive Control System
2.	Kaukab Naz	Prof. Shahida Khatoon Prof. Ibraheem	GSM Based Control Of Autonomous Mobile Agents
3.	Aziz Ahmad	Prof. A. S. Siddiqui	Performance Analysis of Networked Control System
4.	Neeraj Khera	Prof. Shakeb A. Khan Dr. T. Islam	Development of real Time Condition Monitoring and Maintenance System
5.	Md. Danish Equbal	Prof. Shakeb A Khan Prof. Tariqul Islam	Electronic Data Analysis using Soft Computing Techniques
6.	Lokesh Kumar	Dr. Tariqul Islam	Nano structure Active Moisture Sensor fabricated by Thin Film Technology
7.	Md Firoz Alam Khan	Dr Tariqul Islam Prof. Shakeb A. Khan	Measuring the moisture content of transformer oil using thin film Sensor
8.	Amit Kumar Sharma	Dr. Arunesh Kr. Singh Prof. Ibraheem	Soft computing techniques for modeling simulation and analysis of Eddy Current Braking System
9.	Nitin Gupta	Prof. Mini S.Thomas Dr. Ikbal Ali	Integration, Evaluation and Security Analysis of Smart Metering Infrastructure
10.	Ankur Singh Rana	Prof. Mini S. Thomas Dr. Nilenjan Sen Roy	Performance analysis of wide area measurement and control systems

11.	Mohammad Shahid	Prof. Shahida Khatoon Prof. Ibraheem	Optimal Control Strategies For Unmanned Aerial Vehicle
12.	Md Rahat Mahboob	Prof. Shakeb A Khan Prof. Tariqul Islam	Development of Integrated Sensor for Wireless Humidity Detection
13.	Mohammad Zia Ur Rahman	Prof. Shakeb A Khan Prof. Tariqul Islam	Study of Constant Phase Element for Sensor Development
14.	Upendra Mittal	Dr. Tariqul Islam Dr. A. T. Nimal	Design and Development of SAW (Surface Acoustic Wave) Based Chemical Vapor Sensor
15.	Amit Gangopadhyay	Prof. Tariqul Islam Prof. Zaheeruddin	Design and Development of Capacitive Vapor Sensor with Necessary Signal Conditioning
16.	Anwar Ulla Khan	Prof. Tariqul Islam	Design and Analysis of Micro Controller based Signal Conditioning Circuit for Thin Film Humidity Sensor

Subject: Electronics, Communication, Computer Technology			
1.	Jaspreet Kour	Prof. A. Q. Ansari Prof. M. Hanmandlu	Multimodal Biometrics for Human Authentication
2.	Koyel Datta Gupta	Prof. A. Q. Ansari Dr. P. C. Saxena	Hybrid Channel Allocation in Wireless Networks Using Soft Computing Concepts
3.	Seema Arora	Prof. Mini S. Thomas Dr. V. K. Chandana	Simulation of Multi-Structured Broadband Over Power Lines System
4.	Bajrang Prasad Misra	Prof. Zaheeruddin Prof. Z.A. Jaffery	Intelligent Volume Controller for Mobile Phones in the Presence of Background Noise
5.	Sunita Prasad	Prof. Zaheeruddin Dr. D. K. Lobial	Multi objective Optimization of QoS Based Multicast Routing Wireless in Ad Hoc Network
6.	Bhasker Sharma	Prof. Zaheeruddin Prof. Indu Upreti	Tuning and Reliability Analysis of Fuzzy Controllers
7.	Laxman Singh	Prof. Z.A. Jaffery Prof. Zaheeruddin	Automated Detection and Classification of Tumor from Medical Imaging

8.	Zeeshan Ahmad Abbasi	Prof. Z. A. Jaffery	Design and Development of Equalizer for Time Varying Channels
9.	Sumit Kumar	Dr. Shabana Mehruz	Resilience Mechanisms For Survivable Mobile Ad-Hoc Network
10.	Gauri Katiyar	Dr. Shabana Mehruz	Hybrid Intelligent System For Handwritten Character Recognition
11.	Bharat Bhushan Sharma	Prof. Munna Khan	Design and Development of a System to Modulate Perceptive Acoustic Effect
12.	Mohammad Rashid Ansari	Prof. A. Q. Ansari	A hardware Simulation Framework for 3-D Network -on-Chip (NoC)
13.	Aruna Pathak	Prof. Zaheeruddin	Maximizing the Lifetime of Wireless Sensor Network Using Soft Computing Approach
14.	Mukesh Kumar Verma	Prof. Z. A. Jaffery Prof. Ibraheem	Analysis Of Power Line Channels For Broadband Communications
15.	Shaheen Khan	Prof. Z. A. Jaffery	Development Of Low Power VLSI Techniques For Energy Efficient Digital Signal Processing
16.	Mohd Tauheed Khan	Prof. Munna Khan Dr. Mohammad Hasan	Design and Optimization of Carbon Nano Tube FET based biomedical circuits
17.	Khasif Islam	Prof. Munna Khan	Design and Development of Wearable EXOSEKELETON System
18.	Mosarrat Jahan	Prof. Munna Khan	Recording And Analysis Of Sub-Auditory Vocal Signals
19.	Manoj Kumar Singh	Prof. Shahida Khatoon	Design, Development and Analysis of Wireless Sensor Network for Telemedicine System
20.	Usha Tiwari	Dr. Shabana Mehruz	Robust Data Compression Schemes For Wireless Sensor Network
21.	Shivaji Sinha	Dr. Shabana Mehruz	Design of Reliable Transmission Protocol for Wireless Body Area Networks

Provisionally Selected Candidates of Ph.D. 2014

S. No.	Name of Candidate	Proposed Supervisor's	Title
1	Kamini Garg	Prof. Shahida Khatoon	Optimal and Robust Controller Design for Autonomous Systems
2	Anirudh Dube	Prof. Majid Jamil Dr. M. Rizwan, DTU	Protection Challenges in Solar Photovoltaic System
3	Irshad	Prof. Z. A. Jaffery	On some Aspects of Thermogram Image Processing and Its Applications
4	Himanshu Chaudhary	Prof. Shahida Khatoon	Intelligent Controllers for Optical Fine Point System
5	Abhinav Saxena	Dr. Arunesh K. Singh	Sensorless Control of Doubly fed Induction Machine using Intelligent Technique
6	Beenish Tauheed	Prof. Shakeb A Khan	Sensor array data Interpretation using Soft Computing Techniques
7	Kazi Javed Akram	Prof. Tarikul Islam Dr. Akil Ahmad	Development of Fibre Optic Sensing Techniques for Structural Health Monitoring
8	Altaf Alam	Prof. Z. A. Jaffery	Development and Analysis of Vision Based Autonomous Land Vehicle Control System
9	Gyanesh Singh	Prof. A. Q. Ansari Dr. Swati Aggrawal	Neutrosophic and Type-2 Fuzzy Sets: Mathematical Equivalence, Classification and Applications
10	Shufali Ashraf Wani	Prof. Shakeb A Khan	Transformer fault diagnosis Based on Dissolved Gas Analysis (DGA)
11	Mohammad Kaleemullah	Dr. Sheeraz Kirmani	Optimal operating strategies for the integration of distributed power generation with micro grid
12	Sirdeshmukh Shaila Parveen Syed Maqsood Ali	Prof. Munna Khan	Assessment and Monitoring of Healing of Bone Fractures Using Non-Invasive Techniques
13	Iram Akhtar	Dr. Sheeraz Kirmani Prof. Majid Jamil	Integration of Renewable Energy Sources in Microgrid with Power Quality Improvement Features

14	Gagandeep Kaur	Prof. A. Q. Ansari Dr. Mohammad S. Hashmi	Signal Processing Applications using Current Mode Building Blocks
15	Ibrahim Imbayah Khlefah	Dr. Manaullah Dr. Haroon Ashfaq	Embedded control system for integration of renewable energy sources into grid.