

CURRICULUM VITAE



Dr. Bindeshwar Singh,

IEEE Members

Assistant Professor

Department of Electrical Engineering

Kamla Nehru Institute of Technology (KNIT)

(An Academic Autonomous Uttar Pradesh State Government Engineering Institute)

Uttar Pradesh Technical Education Department, UP Government Sultanpur-

228118 (U. P.), India

Email:

Mobile No:

1. Research Interests:

- Power System Modeling
- Power System Load Fore-Costing.
- Power System Restructuring /Deregulation.
- Optimal Power Dispatch and Security Analysis.
- Power System Dynamics
- Power System Operation, Control, and Planning.
- Flexible AC Transmission Systems (FACTS), Static and Dynamic Modeling of FACTS Controllers.
- Placement of FACTS controllers in Multi-Machine Power System Environments
- Optimal Location of Distributed Generation (DG) by AI Techniques in Power Systems
- Control Coordination of FACTS Controllers in multi-machine Power System Environments
- Application of Fuzzy Logic, Genetic Algorithms, and Artificial Neural Networks to emerging power systems
- Application of PMUs to Power System Networks
- Power Quality Problems
- Vector Control and DTC Method for Speed Control of Three Phase Induction Motors
- PWM/SVPMW techniques for Speed Control of Three Phase Induction Motors
- Application of Matrix Converter and Z-source in Three Phase Induction Motors

2. Educational /Professionals Qualifications:

Doctor of Philosophy (Ph.D.): from **Indian Institute of Technology (Indian School of Mines),**

Dhanbad, Jharkhand, India, Year of completion: 21.09.2017

Topic for PhD Thesis: Impact Assessment of Optimally Placed of Distributed Generations and FACTS Controller in Power Systems.

Masters of Technology (M. Tech.): In Power Systems Engineering, from Department of Electrical Engineering, **Indian Institute of Technology (I.I.T.R.), Roorkee, Uttaranchal, India, Year of completion: July, 2001.**

Topic for M. Tech. Seminar: HVDC Control for System Dynamic Performance

Topic for M. Tech. Minor Project: Assessment of on-Line Tap Changing Transformer Tap (OLTC) on Reactive Power Pricing

Topic for M. Tech. Dissertation: PC based Harmonic Analyzers in Power Systems

Bachelor of Engineering (B.E.): In Electrical Engineering, from Department of Electrical Engineering, Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur-273010(U.P.), India, Affiliated with Deen Dayal Upadhyay (DDU) University of Gorakhpur, Gorakhpur, India. Year of completion: July 1999.

Topic for B. Tech. Seminar: EHV AC & DC Transmission Systems

Topic for B. Tech. Project: Simulation and Thyristorised Seed Control of Single Phase Induction Motor Drives

3. Details of Employment/Professional Experience : (See Annexure-I)

Institution/ Organization	Post held	Duration		Scale of pay and basic pay	Nature of duties
		From	To		
Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur, India-273010 (U.P.)	Adoc. Lecturer	31 st January 2001	31 st July 2002	12000/= Per Month Maximum	Adoc. Lecturer
Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad (U.P.), India	Sr. Lecturer	31 st August 2002	31 st July 2003	10000-420-18300 Basic Pay =12100/=	Permanent
RaJ Kumar Goel Institute of Technology (RKGIT) Ghaziabad, U.P., India	Asst. Prof.	31 st August 2003	30 th June 2004	12000-520-24600 Basic Pay =14080/=	Permanent
Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad (U.P.), India	Asst.Prof.& Head (HOD)	31 st July 2004	30 th June 2006	12000-520-24600 Basic Pay =14920/=	Permanent
Krishna Engineering College (KEC), Mohannagar, Ghaziabad (U.P.), India,	Asst. Prof.	31 st July 2006	30 th April 2008	12000-520-24600 Basic Pay =14600/=	Permanent
Krishna Engineering College (KEC), Mohannagar, Ghaziabad (U.P.), India,	Associate Professor	31 st May 2008	30 th August 2009	14000-26800 Basic pay =15600/=	Permanent
Kamla Nehru Institute of Technology (KNIT),	Assistant Professor	10 th August	30 th August 2014	15600-39100+6000 (AGP)	Permanent

Sultanpur-228118 (U.P.), India		2009			Basic pay =28850/=	
					(Gross salary =Rs. 58851/=00)	
Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118 (U.P.), India	Assistant Professor	10 th August 2014	Till date	15600-39100+7000 (AGP)	Basic pay =32981/=	Permanent
					(Gross salary =Rs. 73851/=00)	

4. Teaching Subjects at UG and PG Levels:

B. Tech. Courses Taught:

- Basic Electrical Engineering (EE)
- Networks Analysis & Synthesis (NAS)
- Electrical Measurement & Measuring Instruments (EMMI)
- Instrumentation and Process Control (IPC)
- Electrical Machines (EMEC-I & EMEC-II)
- Power Electronics (PE)
- Power System Analysis (PSA)
- Elements of Power Systems (EPS)
- Control Systems (CS)
- Automatic Control System
- Advanced Control Systems (ACS)
- Electric Drives (ED)
- Power System Operation and Control (PSOC)
- Extra High Voltage AC/DC Transmission Systems
- High Voltage Engineering (HVE)
- Basic System Analysis (BSA)
- Electro-Magnetic Field Theory (EMFT)

M. Tech. Courses Taught:

- Extra High Voltage AC/DC Transmission Systems
- Advanced Control Systems (ACS)
- High Voltage Engineering
- FACTS controllers & its Modeling, Simulations and Applications
- Power System Operation and Control (PSOC)
- Power Convertors-I (PC-I)
- Power Convertors-II (PC-II)
- Fundamentals of Electric Drives (FED)
- Power Quality (PQ)
- Non-Conventional Energy Sources (NCER)

5. Publications: (See Annexure-II)

Type of Publications	Refereed Journals		Conferences/Seminar	
	Published	Under Review	Published	Under Review
International	30	08	52	05
National	02	04	60	03

6. B.Tech. Seminar/Project and M.Tech. Minor Project/Dissertation Guided/ Guiding : (See Annexure-III)

Level	National Level	International Level
B.Tech. Seminar Guided/Guiding	25	-
B.Tech. Project Guided/Guiding	35	-
M.Tech. Minor Project Guided/Guiding	30	-
M.Tech. Thesis/Dissertation Guided/Guiding	40	-
Ph. D Thesis Guided/Guiding	05	-

7. Reviewed for The National/ International Journals Papers: (See Annexure-IV)

Journals	No. of Papers Reviewed	No. of Papers Reviewed Selected for Publications
National Journals	10	05
International Journals	75	30

8. Reviewed for The National/ International Books: (See Annexure-IV)

Journals	No. of Papers Reviewed	No. of books Reviewed Selected for Publications
National Books	02	01
International Books	03	01

9. Expert Lectures / Key Note Addresses/Tutorial /Invited Talk Delivered: (See Annexure-V)

Type of Activities	National Level	International Level
Expert Lectures	17	-
Key Note Addresses	06	-
Tutorial	-	-
Invited Talk	05	-
Plenary Lecture	08	-

10. Expert Lectures /Plenary Lectures Key Note Addresses/Tutorial /Invited Talk Attended (See Annexure-V)

Type of Activities	National Level	International Level
Expert Lectures	35	01
Key Note Addresses	25	04
Tutorial	12	02
Invited Talk	22	03
Plenary Lecture	24	03

11. Workshop / Short term Courses/Seminar/Conferences/FDP Attended: (See Annexure-VI)

Type of Activities	National Level	International Level
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Workshop	07	-
Short Term Courses	04	-
Seminar	04	-
Conference	26	-
FDP Attended	12	-

12. Workshop / Short term Courses/Seminar/Conferences/FDP Organized: (See Annexure-VI)

Type of Activities	National Level	International Level
Workshop	06	--
Short Term Courses	16	-
Seminar	03	-
Conference	45	04
FDP Organized	04	-

13. Administrative Post Held/ Member Academic Bodies : (See Annexure-VII)

Level	National Level	International Level
Institute Level Responsibilities	32	-
University Level Responsibilities	59	-
Others Responsibilities	38	-

14. Session Chair in Seminar/Conference/Others Activities : (See Annexure-VIII)

Level	National Level	International Level
Session Chair in Seminar	08	-
Session Chair in Conference	12	-
Session Chair in others Activities	07	-

16. Membership of Professional Bodies: (See Annexure-VIII)

Nature of Duties	National Level	International Level
Reviewer	05	58
Editorial Board Member	02	35
Associate Editors	02	02
Editor-in-chief	-	-

16. Research Projects: (see Annexure-VIV)

Name of Project	National Level Project	International Level Project
Optimal location of FACTS controllers in Emerging Power Systems	02	-
Optimal location of Distributed Generations in Large-Scale Power Systems	02	-

17. Other Professional Contributions:

- [1] I was actively involved with the establishment of Power Electronics, Power Systems, Electrical machines, Electrical Engineering Laboratory, **Dr. KNMIET, Modinagar, Ghaziabad, U.P., India.**
- [2] Development/Fabrication of New Equipment--Two (**PC based Harmonic Analyzer Setup** and

18. Books/ Teaching Aid Material:

- [1] A Text book on “Fundamental of Network Analysis & Synthesis” In Progress.
- [2] A Text book on “Fundamental of FACTS Controllers and its Placement & Coordination in large-scale Power System Networks” In Progress.
- [3] A Text book on “Fundamental of Electrical Engineering” In Progress.

19. Editor-in-chief/Associate Editor/Editor/Reviewer for National/ International Journals:

- [1] International Journal of Soft Computing and Engineering (IJSCE) (See Annexure-III)
- [2] As reviewer of IEEE Transactions on Power Systems (See Annexure-III).
- [3] As reviewer IEEE Transactions on Power Delivery (See Annexure-III).
- [4] As Associate Editor Board Member in IET Circuits, Devices & Systems (See Annexure-III).
- [5] As Reviewer of IET Generation-Transmission-Distribution journal (See Annexure-III)
- [6] International Journal of Engineering Science and Technology (IJEST), Denmark (See Annexure-III).
- [7] As Editor Board Member in Electric Power components & Systems- Taylor and Francies journals (See Annexure-III).
- [8] Journal of Electrical & Electronics Engineering Research (JEEER) (See Annexure-III).
- [9] International Journal of Computer Systems Science &Engineering (IJCSSE), Curtin University of Technology, Australia (See Annexure-III).
- [10] Turkish Journal of Electrical Engineering & Computer Sciences (See Annexure-III).
- [11] Iranian Journal of Electrical and Computer Engineering (See Annexure-III).
- [12] International Journal of Soft Computing and Engineering (IJSCE) (See Annexure-III).
- [13] International Journal of Engineering Allied Science (IJEAS) (See Annexure-III).
- [14] International Journal of Electrical Power and Energy System (IJEPES)-ELSVIER JOURNAL (See Annexure-III)
- [15] Global Journal of Technology and Optimization-OMICS International (See Annexure-III)
- [16] Renewable Energy-ELSVIER JOURNAL (See Annexure-III)
- [17] Journal of Power Sources-ELSVIER JOURNAL (See Annexure-III)

20. References:

- [1] ***Dr. S.N. Singh***
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[10] ***Prof. D. Tukaram***

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21. Personal Information:

Father's name: Murali Dhar Singh

Date and Place of Birth: 21st January, 1975, Deoria (U.P.), India

Sex: Male

Marital Status: Married

Nationality: Indian (Passport No. V - 431354)

Permanent Address: S/o Sri Mural Dhar Singh

Vill. – Haraiya Basantpur

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Distt. - Deoria (UP) - 274201, India



(Dr. Bindeshwar Singh)

Annexure-I

Details of Employment/Professional Experience:

- [1] Working as an **Adoc. Lecturer** in *Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur, India, from January 2001 to July 2002.*
- [2] Working as a **Sr. Lecturer** in *Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad, India, from August 2002 to July 2003.*
- [3] Working as an **Asst. Prof.** in *Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, U.P., India, from August 2003 to June 2004.*
- [4] Working as an **Asst. Prof. & Head (HOD)** in *Dr. Kedar Nath Modi Institute of Engineering and Technology (Dr. KNMIET), Modinagar, Ghaziabad, India, from July 2004 to June 2006.*
- [5] Working as an **Asst. Prof.** in *Krishna Engineering College (KEC), Mohannagar, Ghaziabad, India, from July 2006 to April 2008.*
- [6] Working as an **Associate Professor** in *Krishna Engineering College (KEC), Mohannagar, Ghaziabad, India, from May 2008 to July 2009.*
- [7] Working as an **Assistant Professor** in *Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118 (U.P.), India, from 10th August 2009 to till date.*

Annexure-II

LIST OF PUBLICATIONS

INTERNATIONAL /NATIONAL JOURNALS:

(1 JULY 2009—30 JUNE 2010)

- [1] **Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, "A Comprehensive Survey of Optimal Placement and Coordinated Control Techniques of FACTS Controllers in Multi-Machine Power System Environments,"** *International journal of Electrical Engineering and Technology, JEET, (Korean Institute of Electrical Engineers), Vol. 5, No. 1, March 2010, pp. 79-101 [THOMSON REUTERS]. (ISSN No: 1975-0102)*
- [2] **Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, "Prevention of Voltage Instability by Using FACTS Controllers in Power Systems: A Literature Survey,"** *International journal of Engineering Science and Technology (IJEST), Vol. 2, No. 5, May 2010, pp. 980-992.*
- [3] **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, K.S. Verma, and Deependra Singh "A Status review of Incorporation of FACTS Controllers in Multi-Machine Power Systems for Enhancement of Damping of Power System Oscillations and Voltage Stability,"** *International journal of Engineering Science and Technology (IJEST), Vol. 2, No. 6, June 2010, pp. 198-205.*

(1 JULY 2010—30 JUNE 2011)

- [4] **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, "A Study on Enhancement of Loadability of Large-Scale Emerging Power Systems by Using FACTS Controllers,"** *International journal of Computer Science and Engineering (IJCSSE), Vol. 2, No. 5, August 2010, pp. 1893-1903.*
- [5] **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, "Application of Computational Intelligence Techniques for Optimal Placement of FACTS Controllers in Large-Scale Emerging Power System Networks,"** *International journal of Computer Science Systems and Engineering (IJCSSE), University of Curtin, Australia Vol. 1, No. 1, August 2010, pp. 1893-1903 (ACCEPTED).*
- [6] **Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, and S.P.Singh, "Incorporation of FACTS controllers in Newton Raphson Load Flow for Power Flow Operation, Control, and Planning Point of View: A Comprehensive Survey"** *International journal of Computer Science and Engineering (IJCSSE), Vol. 2, No. 6, September 2010, pp. 1893-1903.*
- [7] **Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, "A Comprehensive Survey of Optimal Placement and Coordinated Control Techniques of FACTS Controllers in Multi-Machine Power System Environments: A state-of-the-art"** *International journal of Power System Optimizations (IJPSO), Vol. 2, No. 2, June-December, 2010, pp. 79-101.*

- [8] Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, “**Enhancement of Power System Stability by Using FACTS Controllers in an Integrated Power System Networks**” *International journal of Power System Optimizations (IJPSO)*, Vol. 2, No. 1, January- June,2011.
- [9] Bindeshwar Singh, S.P.Singh, J.Singh, and Mohd. Naim,“ **PERFORMANCE EVALUATION OF THREE-PHASE INDUCTION MOTOR DRIVE FED FROM Z-SOURCE INVERTER**” *International journal of Computer Science and Engineering (IJCSE)*, Vol. 3, No.3, March, 2011, pp. 1277-1289.
- [10] Bindeshwar Singh, K.S. Verma, Deependra Singh, and S.N. Singh, “**Applications of PMUs in an Integrated Power System Environment with FACTS Controllers: A Survey,**” *Journal of Automation and System Engineering (JASE)*, Vol.5, No.1, March 2011. (***ISSN: 1112-8542***)
- [11] Bindeshwar Singh, N.K.Sharma, and A. N. Tiwari, “**Classification of Coordinated Control Techniques of FACTS Controllers in Emerging Power Systems: A Review,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 1, Issue 1, September-October 2010, pp. 18-34.

(1JULY 2011 — 30 JUNE 2012)

- [12] Bindeshwar Singh, N.K.Sharma, A. N. Tiwari, K S. Verma, and S. N. Singh “**Applications of Phasor Measurement Units (PMUs) in Electric Power System Networks Incorporated with FACTS Controllers**” *International Journal of Engineering, Science and Technology (IJEST)*, Denmark Technical University, Denmark, Vol.3 , Issues 3 , pp.62-84, June-July 2011.
- [13] Mohd. Naim, Bindeshwar Singh, and Jaswant Singh, “**Improvement of Power Factor and Reduction of Harmonics in Three-Phase Induction Motor by PWM Techniques:A Comprehensive Literature Survey,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 2, Issue 3, June-July 2011, pp. 257-269.
- [14] Bindeshwar Singh, “**Applications of FACTS Controllers in Power Systems for Enhance the Power System Stability: A State-of-the-art**” *International Journal of Reviews in Computing (IJRIC)*, July 2011, Vol. 6, pp.40-69.
- [15] Ravindra kumar, Surya Prakash Singh, K.S. Verma, Bindeshwar Singh, and Jaswant Singh, “**Voltage Sags Characterization and Its Impact Assessment on Equipment Behaviour,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 2, Issue 4, August-September 2011, pp. 302-313.
- [16] Ravindra kumar, Surya Prakash Singh, K.S. Verma, Bindeshwar Singh, and Jaswant Singh, “**Voltage Sags Characterization and Their Mitigation using custom power devices,**” *International journal of Engineering and Techno science (IJETS)*, Vol. 2, Issue 4, August-September 2011, pp. 320-335.
- [17] Bindeshwar Singh, “**Utilities of Differential Algebraic Equations (DAE) Model of SVC and TCSC for Operation, Control, Planning & Protection of Power System Environments,**” *International Journal of Reviews in Computing (IJRIC)*, September 2011, Vol. 7, pp.55-64.
- [18] Jaswant Singh, Bindeshwar Singh, Surya Prakash Singh, Mohd. Naim & Rajneesh Mishra, “**Enhancement of Performance Parameters of Three Phase Induction Motor by Vector Control Methods,**” *International Journal of Computational Intelligence Research & Applications (IJCIRA)*, Vol.5, No.1, September 2011, Pages: 41-61.
- [19] Bindeshwar Singh, K.S. Verma, Deependra Singh, and S.N. Singh “**A Novel Approach for Optimal Placement of Distributed Generation & FACTS Controllers in Power Systems: An Overview and Key Issues,**” *International Journal of Reviews in Computing (IJRIC)*, September 2011, Vol. 7, pp.44-54.
- [20] Bindeshwar Singh, Padma Chaturvedi, S.K. Sinha, A.S.Pandey, And S.P. Singh, “**Enhancement of the Performance Parameters of three phase Induction Motor Using Multilevel Converters: A Literature Survey,**” *International Journal of Reviews in Computing (IJRIC)*, October-December 2011, Vol. 8, pp.34-46.
- [21] Bindeshwar Singh, K.S. Verma, Deependra Singh , C.N. Singh, Archana Singh, Ekta Agrawal, Rahul Dixit, and Baljiv Tyagi, “**Introduction to FACTS Controllers,**” *International Journal of Reviews in Computing (IJRIC)*, October-December 2011, Vol. 8, pp.47-56.
- [22] Bindeshwar Singh, Indresh Yadav, and Dilip kumar, “**Mitigation of Power Quality Problems by STATCOM and D-STATCOM in an Integrated Power Systems,**” *International Journal of Reviews in Computing (IJRIC)*, October-December 2011, Vol. 8, pp.57-68.
- [23] Bindeshwar Singh, Indresh Yadav, and Dilip Kumar “**Mitigation of Power Quality Problems Using FACTS Controllers in an Integrated Power System Environment: A Comprehensive Survey**” *International Journal of Computer Science and Artificial Intelligence (IJCSAI)*, Vol.1, Issue 1. pp.1-12, December, 2011.
- [24] Bindeshwar Singh, Shah Alam Malik , Ankit Kr. Pandey, and Vikas Shukla “**Enhancement of Performance Parameters of Three Phase Induction Motor by Current Source Inverter: An overview and key issues,**” *International Journal of Computer Science and Artificial Intelligence (IJCSAI)*, Vol.1, Issue 1., pp.18-26, December 2011.

- [25] Bindeshwar Singh, K.S. Verma, Deependra Singh, and S.N. Singh, "A Novel Multi-Objective Approach For Planning Of DGs In Emerging Power Systems," *International Journal of Applied Engineering Research and Development (IJAERD)*, Vol.1, No.1, December 2011.
- [26] Bindeshwar Singh, K.S. Verma, Deependra Singh, C.N. Singh, Archana Singh, Ekta Agarwal, Rahul Dixit & Baljiv Tyagi, "Introduction to FACTS Controllers: A Critical Review," *International Journal of Electrical Energy Systems (IJEES)*, Serial Publications, Vol.3 No.2, pp. 85-98, December 2011.
- [27] Bindeshwar Singh, K.S. Verma, Deependra Singh and S.N. Singh, "Multi-Objective VAR Planning with SVC Using Particle Swarm Optimization Techniques in Power System Networks," *International Journal of Electrical Energy Systems (IJEES)*, Serial Publications, Vol.3 No.2, pp. 49-57, 2011.
- [28] Ravindra Kumar, Surya Prakash Singh, Bindeshwar Singh, and Ravi Prakash Vishvakarma, "Characterization of Voltage Sags and its Mitigation Using Custom Power Devices in Emerging Power System," *Buletin Teknik Elektro dan Informatika (Bulletin of Electrical Engineering and Informatics) Journal*, Vol.1, Issue.2, June, 2012.
- [29] Bindeshwar Singh, "Introduction to FACTS controllers in Wind Power Farms: A Technological Review," *International Journal of Advanced Renewable Energy Research*, Vol.1, No.1, March 2012, pp.23-59.
- [30] Rahul Dixit, Bindeshwar Singh, S.P. Singh, and Nipur Mittal, "A topologies on Converters: A Review," *International Journal of Reviews in Computing, IJRIC*, Vol.9, Issue 2, pp.234-242, March 2012.
- [31] Jaswnt Singh, Bindeshwar Singh, S.P. Singh, and Rahul Dixit, "Performance Evaluation of PMSM drives using DTC techniques," *International Journal of Reviews in Computing, IJRIC*, Vol.9, Issue 2, pp.234-242, March 2012.

(1 JULY 2012 — 30 JUNE 2013)

- [32] Jaswant Singh, B. Singh, S.P. Singh, and Mohd Naim, "Performance Evaluation of Direct Torque Control with Permanent Magnet Synchronous Motor," *Samridhi, 2011S-JPSET: ISSN: 2229-7111*, Vol. 2, Issue 2, pp.21-30, JULY 2012.
- [33] Bindeshwar Singh, Surya Prakash Singh, Manvendra Singh, Rahul Dixit, Nupur Mittal, and Aanchal Baranwal "STAND ALONE POWER GENERATION BY THREE PHASE ASYNCHRONOUS GENERATOR: A COMPREHENSIVE SURVEY," *International Journal of Reviews in Computing*, VOL.10, PP.36-51, JULY 2012 (www.ijric.org).
- [34] Bindeshwar Singh, K.S. Verma, Deependra Singh, Surya Prakash Singh, Manvendra Singh, Rahul Dixit, Nupur Mittal, and Aanchal Baranwal "MULTI-LEVEL INVERTER: A LITERATURE SURVEY ON TOPOLOGIES AND CONTROL STRATEGIES," *International Journal of Reviews in Computing*, VOL.10, PP.1-16, JULY 2012 (www.ijric.org).
- [35] Garima Singh, and Bindeshwar Singh, "Application of Artificial Intelligence Computational Techniques in Mechanical Engineering Fields: A Survey," *IJMSE*, Vol. 3, No. 2, July-December 2012, pp. 161-203.
- [36] Bindeshwar Singh, Suchita Mishra, and S.P. Singh "Application of UPFC in Power System Network using MATLAB/SIMULINK Environment," *International journal of Material and Sciences*, Vol. 10, Issue 5, Sept-Dec 2012..
- [37] Mohd. Arif Khan, Akhilesh Kumar, Bindeshwar Singh, and Aanchal Baranwal, "Control of Three-Phase To Three-Phase Matrix Converter Using Carrier Based Scheme," *Central Power Research Institute (CPRI) Journal, India*, Vol.8, Issue 1, July 2012.
- [38] Bindeshwar Singh, "Applications of Smart Grid Power System Operations with FACTS Controllers: Opportunities and Challenges," *Central Power Research Institute (CPRI) Journal, India*, Vol.8, Issue 1, July 2012.

(1 JULY 2013 — 30 JUNE 2014)

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- [29] **Bindeshwar singh, and Suchita Mishra, “Application of UPFC in Power System Network using MATLAB/SIMULINK Environment,”** *National Conference on Advanced & Sustainable Computing Techniques (ASCOT-2012), 6th & 7th October 2012.*
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- [16] Bindeshwar Singh, Mohit Shukla, Rajeev Kumar, “**Multi-level Inverters Topologies & Applications: A Taxonomical Review,**” Second National Power and Energy System Conference on “**NPESC-II 2015**” organized by Department of ELECTRICAL ENGINEERING in KNIT Sultanpur, April 10-11 2015.

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- [18] Bindeshwar Singh, V. Mukherjee, Prabhakar Tiwari "A novel approach for DG planning in distribution power system networks," *Second National Power and Energy System Conference on "NPESC-II 2015"* organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.
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- [20] Bindeshwar Singh, Brijesh Kumar, R.P. Payasi "Optimal DGs Planning in Distribution Systems using PSO," *Second National Power and Energy System Conference on "NPESC-II 2015"* organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.
- [21] Ziaur Rahman, Bindeshwar Singh, S.P. Singh, Rajeev Kumar, "Enhancement of Voltage profile by Using Static Synchronous Compensator (STATCOM) in Power System Networks," *Second National Power and Energy System Conference on "NPESC-II 2015"* organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.
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- [24] Amit Kumar Singh, Bindeshwar Singh, Dr. R.P. Payasi, A.K. Gautam, Vimlesh, Jyoti Dubey, "Minimization of Real Power Loss of Power System by SVC," *Second National Power and Energy System Conference on "NPESC-II 2015"* organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.
- [25] Bindeshwar Singh, Dr. Deependra Singh, Dr. S.P. Singh, Ashok Kumar, Mohtasib Hasan, A. K. Gautam, "Enhancement of Power Quality by Distributed Generation: A Comprehensive Survey," *Second National Power and Energy System Conference on "NPESC-II 2015"* organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.
- [26] Anit Yadv, Bindeshwar Singh, "Simulation & Analysis of Protection for Power System Networks by Super Conducting Fault Current Limiter," *Second National Power and Energy System Conference on "NPESC-II 2015"* organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.

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- [29] Bindeshwar Singh, Arviend Pratap, and Rajnish Gupta, "Enhancement of Power Quality by FACTS Controllers: A State-of - the -Art," *National Conference on 'Electrical Power Technology, Management and IT Applications'(EPTMITA-16)* to be held on 23-24, September 2016 at the Dept. of Electrical Engg., M.M.M. University of Technology, Gorakhpur, Uttar Pradesh.
- [30] Bindeshwar Singh, and Ajay Kumar, "Optimal Location And Size of SVC in Power System Environment by using MATPOWER 4.0 Software Package," *National Conference on 'Electrical Power Technology, Management and IT Applications'(EPTMITA-16)* to be held on 23-24, September 2016 at the Dept. of Electrical Engg., M.M.M. University of Technology, Gorakhpur, Uttar Pradesh.

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- [31] Bindeshwar Singh, and Rajat Shukla and Piyush Dixit, "Comparisons of Performances of FACTS Controllers in Power Systems," *National Conference on 'Emerging Trends in Science, Technology & Management' ETSTM-2017* to be held on 11-

NATIONAL SEMINARS:

- [1] Attended One Day National Seminar on **Advances in Power Systems**, Organized by EED, KNIT Sultanpur, U.P., India, **SEPTEMBER 07 2013**.

PAPERS COMMUNICATED:

Annexure-III

Membership of Professional Bodies:

(1 JULY 2009 — 30 JUNE 2010)

(1 JULY 2010 — 30 JUNE 2011)

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- [1] **Technical Program Committee Members** of International Conference on Internet Computing , Informatics in E-Business and Applied Computing Systems (ICIEACS), ICIEACS 2012, July, 13-14, 2012, Dubai, UAE , 27-28 July, 2012.
- [2] **Technical Program Committee Members** of International Conference on Information, Communication & Computer Networks, ICICCN2012, July, 13-14, 2012, Nicosia, Cyprus.
- [3] **Technical Program Committee Members** of International Conference on Computing Communication System and Informatics Management, ICCSIM 2012, July 29-30, 2012, Dubai, UAE.
- [4] **Technical Program Committee Members** of International Conference on Internet, E-Learning, and Education Technologies, ICIEET 2012, September 23-24, 2012, Dubai, UAE.
- [5] **Technical Program Committee Members** of International Conference on Computer Science, Information Systems and Communication Technologies, ICCSISCT 2012, September 1-2, 2012, Bangkok, Thailand.
- [6] **Technical Program Committee Members** of International Conference on E-Education and Learning Technologies, ICEELT 2012, August 13-14, 2012, Singapore.
- [7] **Technical Program Committee Members** of International Conference on information Integration and Computing Applications, ICHICA 2012, August 15-16, 2012, Singapore.
- [8] **Technical Program Committee Members** of International Conference on information Technology, E-Government and Applications, ICITEA 2012, September 20-21, 2012, Abu Dhabi, United Arab Emirates.
- [9] **Technical Program Committee Members** of International Conference on Human Computing, Education and Management Systems, ICHCEIMS 2012, August 30-31, 2012, Bangkok Thailand.
- [10] **Technical Program Committee Members** of International Conference on Intelligent Systems and Control (ISCO'2013). Karpagam college of Engineering, Coimbatore, 4-5th January 2013.
- [11] **Technical Program Committee Members** of 2013 Spring Conference on Energy Science and Application (SCESA 2013), May 24 to May 26, 2013, in Three Gorges, Hubei, China.
- [12] **Technical Program Committee Members** of 2013 the third international on electrical and control engineering (ICECE-3013), May 27-29, 2013, in Three Gorges, Hubei, China.
- [13] **Technical Program Committee Members** of 5th International Conference on Wireless Information System and Business Information System (WINBIS-2013), WINBIS-2013, May 25-26 2013, Kathmandu, Nepal.
- [14] **Technical Program Committee Members** of 2nd International Conference on Human Computer Interaction Learning Technology (ICHCILT-2013), ICHCILT-2013, MARCH 5-6, 2013, ABU, DHABI, UAE.
- [15] **Technical Program Committee Members** of 2nd International Conference on E-Education & Learning Technologies (ICEELT-2013), ICEELT-2013, MAY 3-4, 2013, SINGAPORE.
- [16] **Technical Program Committee Members** of 2nd International Conference on Information Technology, System and Management (ICITSM-2013), ICITSM-2013, MARCH 5-6, 2013, ABU, DHABI, UAE.

- [17] **Technical Program Committee Members** of 2nd International Conference on Internet Computing, informatics in E-Business and Applied Computing System (ICIEACS-2013), ICIEACS-2013, APRIL 6-7, 2013, BANGKOK, THAILAND.
- [18] **Technical Program Committee Members** of 2nd International Conference on Information Integration and Computing Applications (ICIICA-2013), ICIICA-2013, MAY 4-5, 2013, Singapore.
- [19] **Technical Program Committee Members** of International Conference on Information, Communication & Computer Network (ICICCN-2013), ICICCN-2013, APRIL 6-7, 2013, BANGKOK, THAILAND.
- [20] **Technical Program Committee Members** of 3rd International Conference on E-Learning & Knowledge Management Technologies (ICEKMT-2013), ICEKMT-2013, APRIL 6-7, 2013, BANGKOK, THAILAND.
- [21] **Technical Program Committee Members** of 2nd International Conference on Information Technology, E-Government and Applications (ICITEA-2013), ICITEA-2013, 20-21 June, 2013, Sydney, Australia (www.icitea.com).
- [22] **Technical Review Committee Members** of International Conference (ISCO 2013), ISCO-2013 JANURARY 4-5, 2013, India.
- [23] **Technical Program Committee Members** of 3rd International Conference on Electrical and Control Engineering (ICECE-2013), ICECE-2013, THREE GORGES, CHINA, APRIL 13-14, 2013.
- [24] **Technical Program Committee Members** of 2nd International Conference on Advanced in Computing & Emerging E-Learning Technologies (ICAC2ET-2013), ICAC2ET-2013, January, 19-20, 2013, SINGAPORE.
- [25] **Technical Program Committee Members** of 2nd International Conference on Learning Technology, (ICHCILT-2013), ICHCILT-2013, MARCH 5-6, 2013, ABU, DHABI, UAE.
- [26] **Technical Program Committee Members** of 2nd International Conference on Information Technology Systems and Management (ICITSM-2013), ICITSM-2013, MARCH 5-6, 2013, ABU, DHABI, UAE.
- [27] **Technical Program Committee Members** of 2rd International Conference on Information Integration and Computing Applications (ICIICA-2013), ICIICA-2013, May 4-5, 2013, SINGAPORE.
- [28] **Technical Program Committee Members** of 3rd International Conference on Internet Computing, Informatics in E-Business and applied Computing Systems (ICIEACS-2013), ICIEACS-2013, APRIL 6-7, 2013, BANGKOK, THAILAND
- [29] **Technical Program Committee Members** of International Conference on Information, Communication and Computer Network (ICICCN-2013) ICICCN-2013, APRIL 6-7, 2013, BANGKOK, THAILAND.

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- [30] **Technical Program Committee Members** of 2nd International Conference on Computing Communication System & Informatics Management (ICCCSIM-2013), ICCSIM-2013, AUGUST 20-21, 2013, Toronto, Canada.
- [31] **Technical Program Committee Members** of International Conference on Mobile Learning, E-Society & E-Learning Technology (ICMLEET-2013), ICMLEET-2013, July 7-8, 2013, Kuala Lumpur, Malaysia.
- [32] **Technical Program Committee Members** of 2rd International Conference on Information Technology, E-Government and Applications (ICITEA-2013), ICITEA-2013, OCTOBER, 22-23, 2013, Istanbul Turkey.
- [33] **Technical Program Committee Members** of First International Conference on Network, Management, and Mobility, (ICONMAM-2013) ICONMAM-2013, July 24-25, 2013, BANGKOK, THAILAND.
- [34] **Technical Program Committee Members** of 2rd International Conference on Internet, E-Learning, & Education Technologies (ICITEET-2013), ICITEET-2013, OCTOBER, 21-22, 2013, Istanbul Turkey.
- [35] **Technical Program Committee Member** in International Conference on Advanced in Computing, Engineering and Learning Technologies (ICACELT 2014), MAY 20-21, 2014, MUNICH, JERMAN
- [36] **Technical Program Committee Member** in International Conference on Smart Electronics and Communication (SEC2014), DEC 19-21, SANYA, China.
- [37] **Technical Program Committee Member** in International Conference on Automatic Control theory and applications (ACTA 2014), JUNE 17-19, 2014, Bangkok, Thailand

(1 JULY 2014 — 30 JUNE 2015)

- [38] **Technical Program Committee Member** in International Conference on Innovation of computing and Engineering Technology (ICICET-2014), DECEMBER 15-16, 2014, SINGAPORE.
- [39] **Technical Program Committee Member** in 3rd International Conference on Internet, E-Learning and Education Technology (ICI2ET 2015), FEBRUARY. 8-9, 2015, Paris, France.
- [40] **Technical Program Committee Member** in 4th International Conference on Advance Information System, E-Education & Development (ICAISEED 2015), FEBRUARY. 8-9, 2015 Paris, France.
- [41] **Technical Program Committee Member** in International Conference on E-Learning Management and Computing Systems (ICEMCS 2015), APRIL. 25-26, 2015, Amsterdam, the Netherlands.
- [42] **Technical Program Committee Member** in International Conference on Human Computing and Learning with Technology

(ICHCLWT 2015), APRIL 18-19, 2015, VENICE, ITALY.

- [43] **Technical Program Committee Member** in *International Conference on Computer Science, Engineering and Innovations (ICCSEI 2015)*, JUNE 28-29, 2015, London, United Kingdom.
- [44] **Technical Program Committee Member** in *International Conference on Computer Supported Education and Information Technology (ICCSEIT-2015)*, MARCH 18-19, 2015, ABU DHABI, UAE.

(1 JULY 2015 — 30 JUNE 2016)

- [45] **Technical Program Committee Member** in *International Conference on Computing Education & Information Technology (ICCSEIT-2015)*, November 09-10, 2015, Paris, France.
- [46] **Technical Program Committee Member** in *International Conference on future Computing and communication system (ICFCCS-2015)*, November 12-13, 2015, Zurrich, Switzerland.
- [47] **Technical Program Committee Member** in *International Conference on Human Computing Learning with Technologies (ICHCLWT 2015)*, OCTOBER 15-16, 2015, ABU, DHABI, UAE.
- [48] **Technical Program Committee Member** in *International Conference on Internet of things and cloud computing technology (ICITCCT-2016)*, APRIL 14-15, 2016, SINGAPORE.
- [49] **Technical Program Committee Member** in *International Conference on innovation of computing and engineering technology (ICICET-2016)*, APRIL 27-28, 2016, BEIJING, CHINA.
- [50] **Technical Program Committee Member** in *SEE-2016*, APRIL 22-23, 2016, BEIJING, CHINA.

(1 JULY 2016 — 30 JUNE 2017)

- [51] **Technical Program Committee Member** in *SEE-OSAKA2016, JAPAN(SCOPUS & ESCI INDEXED J.)*, Second International Conference on science, engineering and environment (SEE-2016), NOVEMBER 21-23, 2016, OSAKA CITY, JAPAN.
- [52] **Technical Program Committee Member** in *Second International Conference on Science, Engineering and Environment (SEE2017, SEE-Osaka 2016, Osaka city, Japan, November 21-23, 2016.*
- [53] **Technical Program Committee Member** in *Geotechniques, Construction, Materials and Environments (GEOMATE-2016)*, Bangkok, Thailand, 14-16 November 2016.
- [54] **Technical Program Committee Member** in *2016 International Conference on Advanced in Computer Engineering & Science (ICACES-2016)*, Sept. 4-5, 2016, Hamburg, Germany.
- [55] **Technical Program Committee Member** in *2016 ICCSIT, 100 Huoju Road, Hitech zone, Qingdao, Shandong Sheng, China, March 26-27, 2016.*
- [56] **Technical Program Committee Member** in *2017 International Conference on Advanced Technology Enhancing Education (ICAT2E 2017)*, Qingdao, Shandong, Sheng, China, March 18-20, 2017.
- [57] **Technical Program Committee Member** in *2017 International Conference on Materials, Machinery and Information Technology Applications (MMITA 2017)*, January 15-16, 2017, Beijing, China.
- [58] **Technical Program Committee Member** in *2017 Second International Conference on Modelling, Simulation and Applied Mathematics (MSAM 2017)*, March 26-27, 2017, Bangkok, Thailand.
- [59] **Technical Program Committee Member** in *2017 International Conference on Mechanical and Mechanical Engineering (ICMME 2017)*, March 26-27, 2017, Bangkok, Thailand.
- [60] **Technical Program Committee Member** in *2017 International Conference on Control and Automation (ICCA 2017)*, January 13-15, 2017, Shenzhen, China.
- [61] **Technical Program Committee Member** in *2017 International Conference on Computer Science and Information Communication Technology (ICCSIT 2017)*, 100 Huoju Road, Hitech zone, Qingdao, Shandong Sheng, China, March 18-20, 2017.
- [62] **Technical Program Committee Member** in *2017 International Conference on Control, Automation and Artificial Intelligence Techniques (ICCAAI 2017)*, Sanya, China, June 25-26, 2017.
- [63] **Technical Program Committee Member** in *2017 2nd International Conference on Advanced Management Science and Information Engineering (AMSIE 2017)*, Sanya, China, June 25-26, 2017.

(1 JULY 2017 — 30 JUNE 2018)

- [64] **Technical Program Committee Member** in *2017 International Conference on Automation, Mechanical and Electrical Engineering (AMEE 2017)*, Sept. 17-18, 2017, Shenzhen, China.
- [65] **Technical Program Committee Member** in *2017 International Conference on Environment, Energy and Sustainability (EES 2017)*, August.6-7, 2017, Phuket, Thailand.

- [66] **Technical Program Committee Member** in 2017 2nd International Conference on Automation, Mechanical and Electrical Engineering (AMEE 2017), 17-18 Sept. 2017, Shenzhen, China.
- [67] **Technical Program Committee Member** in 2017 3rd International Conference on Science, Engineering and Environment (SCOPUS & ESCI Journals) (SEE-USQ 2017), 13-16 NOVEMBER 2017, Brisbane, Australia.
- [68] **Technical Program Committee Member** in The 2017 International Conference on Electronics and Information Technology (ICEIT 2017), 17-19 November 2017, Zhuhai, China.
- [69] **Technical Program Committee Member** in The 2018 4th International Conference on Science, Engineering and Environment (SCOPUS & ESCI Journal), SEE-NAGOYA 2018, November 12-14, Japan.
- [70]

(1 JULY 2009 — 30 JUNE 2010)

- [71] Member of **Steering Committee** of international journal of **Application of Materials and Chemical Engineering (AMCE)**, Office of Word Academic Publishing (WAP) Conference Series, (www.academicpub.org/amce/).
- [72] Member of **Steering Committee** of international journal of **Engineering and Technology Frontier (ETF)**, Office of Word Academic Publishing (WAP) Conference Series, (www.academicpub.org/etf/).
- [73] Member of Editor Team member of **CANADIAN JOURNAL ON COMPUTING IN MATHEMATICS, NATURAL SCIENCES, ENGINEERING AND MEDICINE** (www.ampublisher.com).
- [74] Member of Editor Team member of **International Journal of Power and Energy Systems**, ACTA PRESS (www.actapress.com).
- [75] Member of REVIEWER Team of **Electrical Power Components & Systems Journal**, U.K. (www.tandf.co.uk).

(1 JULY 2010 — 30 JUNE 2011)

- [76] Member of Reviewer Team of **IET generation-Transmission-Distribution (IET-GTD) Journal** (www.theiet.org).
- [77] Member of Reviewer Team of **International Journal of Energy Science (IJES)** (www.ijesci.org).
- [78] Member of Editor Team member of **International Journal of Energy Engineering (IJEE)** (www.ij-ee.org).
- [79] Member of Editor Team member of **Journal of Control Engineering and Technology (JCET)** (www.jcet.org).
- [80] Member of Editorial Board Member of **International Journal of Environmental Protection (IIEP)** (www.ij-ep.org).
- [81] Member of Editorial Board Member of **International Journal of Emerging Sciences (IJES)** (www.ijes.info).
- [82] Member of Editorial Board Member of **International Journal of Advanced Renewable energy Research (IJARER)** (www.ijarer.org).
- [83] Member of Editorial Board Member of **International Journal of Computer & Electronics Research**, (www.ijcer.org)
- [84] Member of Reviewer Team of **International Journal of Artificial Intelligence and Expert Systems (IJAE)** (www.cscjournals.org).
- [85] Member of Reviewers for IEEE - ICCAS 2011.

(1 JULY 2011 — 30 JUNE 2012)

- [86] Member of Editor Team member of **International Journal of Engineering and Technology (IJET)** (www.iiscr.org).
- [87] Member of Editorial Board of **International Journal of Electronics and Communication Engineering (IJECE)** (www.ripublication.com).
- [88] Member of Associate Editorial Board of **Advances and wireless and mobile communications, computer science journals (AWMC)** (www.ripublication.com).
- [89] Member of REVIEWER Team of **International Journal of Engineering Research and Applications (IJERA)** (www.ijera.com).
- [90] Member of Editorial Board of **American Journal of Mathematics and Sciences, American journal** (www.journalshub.com).
- [91] International Member of REVIEWER Team of **JECE Journal** (www.jece.org).
- [92] International Member of REVIEWER Team of **TELKOMNIKA International Journal of Electrical Engineering (IJEE)** (www.telkonnika.ee.uad.ac.id).
- [93] Member of REVIEWER Team of **Engineering, Technology & Applied Science Research Journal** (www.etasr.com).
- [94] Member of Editorial Board of **International Journal of Computer Science and Artificial Intelligence** (www.jcsai.org).
- [95] Member of REVIEWER Team of **International Journal of Industrial Electronics and Control** (www.ripublication.com).
- [96] Member of Editorial Board of **International Journal of Engineering and Advanced Technology (IJEAT)** (<http://www.ijeat.org/editors.php>).

(1 JULY 2012 — 30 JUNE 2013)

- [97] Member of REVIEWER Team of **Journal of Scientific Reviews (JSR)** (www.jsr.org).

- [98] Member of REVIEWER Team of International Journal of Computer Engineering Science (IJCES) (www.ijces.com).
- [99] Member of Editor Review Committee of International Journal of Scientific and Engineering Research (www.ijser.org).
- [100] Member of REVIEWER Team of International Journal of Artificial Intelligence and Expert Systems (IJAE) (www.cscjournals.org).
- [101] Member of Reviewer Team of International Journal of Advances in Engineering Sciences (www.journals.rgsociety.org).
- [102] Member of Editorial Board Member of International Journal of Information Technology and Computer Sciences (IJITCS)(www.iisrc.org).
- [103] Member of Editorial Board Member of International Journal of Recent Technology and Engineering (IJTRE)(www.ijtre.org).
- [104] Member of Reviewer Team of International journal of engineering science and technology (IJEST), Denmark Technical University, Denmark (www.ijest-ng.com).
- [105] Member of REVIEWER Team of Journal of Current Engineering Research (JCER) U.K. (www.gpublication.com).
- [106] Member of REVIEWER Team of IETE Technical Review Journal (www.ietejournal.org).

(1 JULY 2013 — 30 JUNE 2014)

- [107] Member of REVIEWER Team of IETE Research Journal (www.ietejournal.org).
- [108] Member of REVIEWER Team of International Journal of Advanced Chemical Technology (IJACT) (www.ijact.org).
- [109] Member of REVIEWER Team of Journal of Applied Science & Engineering Technology(www.library.rit.edu).
- [110] Member of Editorial Board of International Journal of Electronics Engineering Research (IJEER)(www.ripublication.com).
- [111] Member of REVIEWER Team of Journal of Computing Science & Engineering (JCSE) (www.jcse.kiise.org).
- [112] Member of Reviewer Team of Communication in information Science and Management Engineering (CISME) Journal (www.cisme.org).
- [113] Member of Reviewer Team of International Journal on Systems, Computing Sciences and Software Engineering (JSCSS) (www.cisssejournals.org).
- [114] Member of Reviewer Team of International Journal on Industrial Electronics, Technology & Automation (JIETA) (www.cisssejournals.org).
- [115] Member of Editorial Board of IJSCE Journal (www.ijscce.org).
- [116] Member of Editorial Advisory Board of IJEAS Journal (www.ijeasonline.com).
- [117] Member of Editorial Team of JEEER Journal (www.jeeer.org).
- [118] Member of Reviewer Team of IJRIC Journal (www.ijric.org).
- [119] Member of Reviewer Team of JATIT Journal (www.jatit.org).
- [120] Member of Editorial Board of International Journal of Computer Organization and Trends (IJCOT) (www.internationaljournalssrg.org) (ID: SSRGJ-IJCOT-1306).
- [121] Member of Editorial Board of International Journal of Computer Trends and Technology (IJCTT) (www.internationaljournalssrg.org)(ID:SSRGJ-IJCTT-1043).
- [122] Member of Editorial Board of International Journal of Engineering Trends and Technology (IJETT) (www.internationaljournalssrg.org)(SSRGJ-IJETT-1209).
- [123] Member of Editorial Board of International Journal of Mathematics Trends and Technology (IJMTT) (www.internationaljournalssrg.org) (SSRGJ-IJMTT-1107).
- [124] Member of Reviewer of TJPRC Journal (www.tjprc.org).
- [125] Member of Editor Board of international Journal of Accent Clean Business and Corporate (www.ijeit.com).
- [126] Member of Reviewer of Journal of Science and Technology (JUST), (www.just.org).
- [127] Member of Reviewer of international Journal of computer engineering Science, (www.ijces.org).
- [128] Member of Editor Board of international Journal of Engineering and Sciences (www.ijens.org).
- [129] Member of Editor Board of international Journal of Energy Optimization and Engineering (www.ijens.org).
- [130] Member of Editor Board of International Journal of Power Electronics and Drive Systems (IJPEDS) (www.iaesjournal.com)
- [131] Member of reviewer for the International Journal of Computing Academic Research (IJCAR), membership assigned code (MEACSE #I063)(<http://www.meacse.org/ijcar>).

(1 JULY 2014 — 30 JUNE 2015)

- [132] Member of Reviewer of World Scientific Journal (www.worldscientific.com).
- [133] Member of Editor Board of International Journal of Innovative Technology and exploring (www.ijitee.org).
- [134] Member of Editor Board of International Journal of Applied Chemical Sciences Research (www.ijacsr.com).
- [135] Member of Editor Board of International Journal of Emerging Science and Engineering (www.ijese.org).

- [136] Member of Editor Board of International Journal of Renewable Energy Technology Research (www.ijretr.org).
- [137] Member of Editor Board of International Journal of Advanced Renewable Energy Research (www.ijarer.org).
- [138] Member of Editor Board of International Journal of Microcircuits and Electronics (IJME) (www.ripublication.com).
- [139] Member of Editor Board of International Journal of Science and Engineering (IJSE) (www.ijse.org).
- [140] Member of Editor Board of International Journal of Electrical and Communication Engineering (IJECE) (www.gbspublisher.com).
- [141] Member of Editor Board of International Journal of Advances in Electrical & Electronics (IAEEE) (www.iaeee.com).
- [142] Member of Editor Board of IJECSE (www.ijecse.org).
- [143] Member of Editor Board of International Journal of Systems, Applications & Algorithms (IJSAA) (www.ijasa.org).
- [144] Member of Editor Board of Indian Journal of Advances in Electronic Engineering (IJAE) (www.gbspublisher.com).
- [145] Member of Editor Board of International Journal of Inventive Engineering and Sciences(TM) (www.ijies.org).
- [146] Member of Editor Board of International Journal of Engineering and Advanced Technology (www.ijeat.org).
- [147] Member of Editor Board of Journal of Control and System Engineering (JCSE) (www.jcse.org).
- [148] Editorial Board Members in International Journal of Information Technology & Computer Science (IJITCS), APRIL 2015, ATCLAS Publications.
- [149] Journal of Electrical and Control Engineering (JECE), MARCH 2015, American V-King Scientific Publishing Ltd
- [150] Editorial Board Members in Wiley Encyclopedia of Electrical and Electronics Engineering Journal. Email: eeee@wiley.com, MARCH, 2015.
- [151] Editorial Board Members in Wiley Encyclopedia of Energy Journal. Email: energyeditor@yahoo.com, MARCH 2015.
- [152] Editorial Board Members International Journal of Energy Engineering, WORLD ACADEMIC PUBLISHING COMPANY.

(1 JULY 2015 — 30 JUNE 2016)

- [153] IEEE Reviewer in ICCAS July 2015. www.iccas.in.org
- [154] Editorial Board Members International Journal of Information Technology and Computer Sciences (IJITCS), JULY, 2015, ISSN-2091-1610, www.atclas.org
- [155] Editorial Board Members SDRP Journal of Energy, and SDRP Journal of Electrical and Electronics, JULY, 2015, www.siftdesk.org
- [156] Reviewer in EJEAT, International European Journal of Advances in Engineering and Technology (EJAET), July 2015. www.ejaet.com
- [157] Reviewer in JNGSE, Journal of Natural Gases Sciences and Engineering, July 2015. www.eee.elsevier.com

(1 JULY 2016 — 30 JUNE 2017)

- [158] Member of Editor Board of International Journal of Inventive Engineering and Sciences(TM) (www.ijies.org).
- [159] Member of Editor Board of International Journal of Engineering and Advanced Technology (www.ijeat.org).
- [160] Member of Editor Board of Journal of Control and System Engineering (JCSE) (www.jcse.org).
- [161] Member of Editor Board of International Journal of Emerging Science and Engineering (www.ijese.org).
- [162] Member of Editor Board of International Journal of Renewable Energy Technology Research (www.ijretr.org).
- [163] Member of Editor Board of International Journal of Advanced Renewable Energy Research (www.ijarer.org).
- [164] Member of Editor Board of International Journal of Microcircuits and Electronics (IJME) (www.ripublication.com).

(1 JULY 2017 — 30 JUNE 2018)

- [165] Reviewer Member in IEEE International Conference on Recent Advances in Engineering, Technology and Computational Science-2018 (RAETCS-2018) on Feb. 06-08, 2018, Department of Electrical and Electronics Engineering, Shepherd Institute of Technology, Sam Higginbottom University of Agriculture, Technology and Science, Allahabad-211007, Uttara Pradesh, India.
- [166] Member of Associate Editor of IET Circuits, Devices and Systems (www.theiet.org).
- [167] Member of Editor of Electrical Power Component and Systems (Taylor and Francis) (www.tandfonline.com).

Annexure-IV

B.Tech. Seminar Guided:

(1 JULY 2009 — 30 JUNE 2010)

(1JULY 2010—30 JUNE 2011)

- [1] Akhilesh Kr. Verma, “Prepaid Energy Meter” *EED, KNIT Sultanpur, April 2011.*
- [2] Amlesh Kumar Gautam “Ultra Capacitor” *EED, KNIT Sultanpur, April 2011.*
- [3] Deepti Kusuwaha “Power Generation through Osmosis” *EED, KNIT Sultanpur, April 2011.*
- [4] Abhay Kumar Choubey, “APPLICATION OF SMART GRID IN POWER SYSTEMS” *EED, KNIT Sultanpur, April 2011.*
- [5] Annu Singh, “Introduction to FACTS Controllers”, *EED, KNIT, Sultanpur, April 2011.*
- [6] Neha Tyagi, “Applications of AI techniques to Power Systems”, *EED, KNIT, Sultanpur, April 2011.*
- [7] Jitendra Rathour “Optimal location of FACTS controllers in Power Systems” *EED, KNIT Sultanpur, April 2011.*
- [8] Vibha Pandey “Nuclear Power Plant” *EED, KNIT Sultanpur, April 2011.*
- [9] Jitendra Saini “SMARTY GRID” *EED, KNIT Sultanpur, April 2011.*
- [10] Mudu Smiriti Rao “Magnetic Laminations” *EED, KNIT Sultanpur, April 2012.*

(1JULY 2011—30 JUNE 2012)

- [11] Durga Shankar Avasthi “ Interfacing and introduction to ATMEGA-16 Microcontrollers” *EED, KNIT Sultanpur, April 2012.*
- [12] Suchita Mishra “Applications of AI Techniques in Power System Networks” *EED, KNIT Sultanpur, April 2012.*
- [13] Kevi Singh “Application of Smart Grids in power System Environment” *EED, KNIT Sultanpur, April 2012.*
- [14] Ankit Kumar Gupta “Pattern Recognition Using Artificial Neural Networks (ANN) ” *EED, KNIT Sultanpur, April 2012.*
- [15] Riteshwar Bandhu , “Ultra Capacitors ” *EED, KNIT Sultanpur, April 2012.*
- [16] Rajat Mishra, “Automatic Sun Tracking Systems ” *EED, KNIT Sultanpur, April 2012.*

(1JULY 2012—30 JUNE 2013)

(1JULY 2013—30 JUNE 2014)

- [17] Pooja Mishra , Utkarsha Srivasta, and , Rashi Maheshwari, “ Applications of FACTS Controllers in power systems ” *September 23, 2013.*
- [18] Krishna kant singh, Anuj kumar shukla , Anurag singh , Jayent vishnu narlikar “ Applications of SVC in power system Environments for reactive power support. ” *September 23, 2013.*

(1JULY 2014—30 JUNE 2015)

B.Tech. Project Guided /Guiding:

- [1] Ashish Modi, Dinesh Singh, Abhishek Kapoor, Abhishek Verma, and Sarika Mishra, “Microprocessor Based Distance Relaying,” *EED, Dr. KNMIET, Modi Nagar, Ghaziabad, U.P., India, May, 2006: Completed*

(1JULY 2009—30 JUNE 2010)

- [2] Mohneesh Rastogi, Raghvendra Kumar , and Sachin Gupta, “Voltage Stability Assessment in Power System Networks,” *EED, KNIT Sultanpur, June, 2010: Completed*
- [3] Chandresh upadhayay, Kumar Gaurav Mishra, and Gaurav Sharma, “Power Quality Standards and Performance Review of Power Quality Improvement at Input AC Mains,” *EED, KNIT Sultanpur, June, 2010: Completed*
- [4] Rayash Yadav, Ranjeet Singh, Subhash Chandra, “Incorporation of TCSC Controllers in Power System Networks,” *EED, KNIT Sultanpur, June, 2010: Completed*

(1JULY 2010—30 JUNE 2011)

- [5] Satpal, Anant Jain, Deepak Rai, and Navneet Kumar Barnwal, “Enhancement of Power Transfer Capacity Using TCSC,” *EED KNIT Sultanpur, June, 2011: Completed*
- [6] Ashish Singh, Himanshu Sahu, Mohsin Khan, and Sunny Singh, “Optimal Location and Size of TCSC on the Basis of Loss Considerations,” *EED KNIT Sultanpur, June, 2011: Completed*
- [7] Abhilasha Singh, Akash Gupta, Khalid Aziz, and Nidhi Chauhan, “Incorporation of SVC in Power Systems for Operation, Control and Planning,” *EED KNIT Sultanpur, June, 2011: Completed*

(1JULY 2011—30 JUNE 2012)

- [8] Abhiruchi Srivasta, Abhishek Kumar, , “**Enhancement of Voltage Stability by TCSC in Power System Environments,**” *EED KNIT Sultanpur, June, 2012: Completed*
- [9] Jitendra Singh, Amit Kumar Shukla, “**Optimal Location of SVC in Emerging Power System Networks ,**” *EED KNIT Sultanpur, June, 2012: Completed*

(1JULY 2012——30 JUNE 2013)

- [10] Pooja Mishra , Utkarsha Srivasta, and , Rashi Maheshwari, “ **Enhancement o Performance Parameters by Applications of FACTS Controllers in power systems**” *June, 2013: Completed*
- [19] Krishna Kant Singh, Anuj Kumar Shukla , Anurag Singh , Jayent vishnu Narlikar “ **Reactive Power Support by SVC and STATCOM for Three Phase Fault in Power Systems.**” *June, 2013: Completed*
- [11] Rakshit Baranwal, unil Kumar Agrahari, Pradeep Kumar Prajapati, and Mayank Harshvarden Jain “ **Comparisions between SVC and STATCOM in maintenance of Voltage Profile by Simulation in MATLAM/SIMULINK Toolbox**” *June, 2013: Completed*
- [12] Satyarth Gangawar, Rakesh Yadav, Riodeilang Samate, and Rajesh Chauhgan “**Speed Control of DC motor Using IGBT based Chopper**” *June, 2013: Completed*

(1JULY 2013——30 JUNE 2014)

- [13] Ajay Kumar, Anupama Tomar, Vikash Singh Rathore, Amit Kumar, “**Impact Assessment of Wind Farms and FACTS controllers in Emerging Power Systems for Different Loading Conditions Using MATLAB/Simulink Toolbox,**” *EED, KNIT Sultanpur, June 2014: Completed*
- [14] Aakriti Pandey, Ashok Kumar, Brijesh Kumar Singh “**Impact Assessment of Wind Power Farms,**” *EED, KNIT Sultanpur, June 2014: Completed*

(1JULY 2014——30 JUNE 2015)

- [15] Apoorva Kumari, Archit Mishra, Ashutosh Chaubey, Deepak Singh, “**Effective Location of SVC and Volatge Profile Improvement in Power System Networks,**” *EED, KNIT Sultanpur, June 2015: Completed*
- [16] Ankit Verma, Chetan Anand Mishra, Dillep Kumar, Nitil Kumar Upadhyay, “**Enhancement of Voltage Profile by STATCOM using MATLAB/ Simulink Toolbox,**” *EED, KNIT Sultanpur, June 2015: Completed*

(1JULY 2015——30 JUNE 2016)

- [17] Ajay Singh and Abhishek Kumar “**A Hybrid Approach for Optimal Location and Sizing of Diatributed Generations in Distribution Power Systems,**” *EED, KNIT Sultanpur, June 2015: Completed.*
- [18] Amerpali and Divya Gupta, “**A Novel Approach for Optimal Location of FACTS Controllers Power Systems,**” *EED, KNIT Sultanpur, June 2015: Completed*

(1JULY 2016——30 JUNE 2017)

- [19] Rajat Shukla “**Comparisions of Power System Performances of FACTS Controllers in Power Systems,**” *EED, KNIT Sultanpur, June 2015: Under Process.*

(1JULY 2017——30 JUNE 2018)

M.Tech. Minor Project Guided:

(1JULY 2009——30 JUNE 2010)

(1JULY 2010——30 JUNE 2011)

- [1] Jaswant Kumar, “**Performance Evaluation of Z-source inverter fed three phase induction motor,**” *EED, KNIT Sultanpur, June, 2011 (M.Tech. Regular Power Electronics & Drives): Completed*
- [2] Mohd Naim, “**PMW Technique in three phase induction motor,**” *EED, KNIT Sultanpur, June, 2011 (M.Tech. Regular Power Electronics & Drives): Completed*

(1JULY 2011——30 JUNE 2012)

- [3] Rahul Dixit, “**A VSI & CSI fed dual starter Induction motor Drives for Medium voltage drive applications,**” *EED, KNIT, Sultanpur, July 2011:Completed*

- [4] Abhay Nath Ram, “**Double Stage Switch Mode AC Voltage Regulator,**” *EED, KNIT, Sultanpur, July 2011:Not Completed*
- [5] Indresh Yadav, “**Sensorless V/F control of high speed surface permanent magnet synchronous motor drives with two novel stabilizing loop for fast dynamic & Robustness,**” *EED, KNIT, Sultanpur, July 2011: Completed*
- [6] Shah Alam Malik, “**A multilevel modular capacitor clamped DC DC Converter,**” *EED, KNIT, Sultanpur, July 2011:Completed*
- [7] Manvendra Singh, “ **Generation of power by asynchronous generators,**” *EED, KNIT, Sultanpur, July, 2011,: Completed*

(1JULY 2012——30 JUNE 2013)

- [8] Sunil Kumar-, “**Application of D-STATCOM in POWER SYSTEMS FOR ENHANCEMENT OF VOLTAGE STABILITY,**” *EED, KNIT Sultanpur, :JAN, 2013 Completed*

(1JULY 2013——30 JUNE 2014)

- [9] Amrita Singh, “**Wind Power with Convertors,**” *EED, KNIT Sultanpur, : MARCH, 2014: Completed*
- [10] Rashmi Dubey, “**Application of D-STATCOM and DVR for Power Quality improvement in POWER SYSTEMS,**” *EED, KNIT Sultanpur, : JUNE, 2014 : Completed.*

(1JULY 2014——30 JUNE 2015)

- [11] Shasanak Mishra, “**Applications of Matrix Convertors,**” *EED, KNIT Sultanpur, : NOV, 2014 : Completed*
- [12] Deepak Giri-, “**Application of STATCOM in POWER SYSTEMS FOR ENHANCEMENT OF VOLTAGE STABILITY,**” *EED, KNIT Sultanpur, : JAN, 2015 : Completed*
- [13] R. B. Singh, “**Optimal SVC planning by PSO in Power Systems,**” *EED, KNIT Sultanpur, : FEB, 2015 Completed*
- [14] Mohit Kumar, “**Multi-level Inverters for speed control in closed loop of three phase induction motors drives using MATLAB toolbox,**” *EED, KNIT Sultanpur, : FEB, 2015 Completed*
- [15] M. Anshari, “**Enhancement of power system performances by STATCOM in Power Systems,**” *EED, KNIT Sultanpur, : 2015 Completed.*
- [16] Brijesh Kumar, “**Optimal DG planning by PSO in Distributed Power Systems,**” *EED, KNIT Sultanpur, : MARCH, 2015 Completed*
- [17] Ashok Kumar, “ **POWER QUALITY with DGs,**” ,” *EED, KNIT Sultanpur, : JULY, 2015 Completed*
- [18] M. Hasan, “**PQ Enhancement by DGs by Genetic Algorithms,**” *EED, KNIT Sultanpur, : JULY 2015 Completed*
- [19] Prem Lal Mishra, “**Enhancement of Voltage profile of system by STATCOM Power Systems,**” *EED, KNIT Sultanpur, : OCT 2015 Completed*
- [20] Amit Kumar, “**Minimization of real power loss by STATCOM Power Systems,**” *EED, KNIT Sultanpur, : OCT 2015 Completed*

(1JULY 2015——30 JUNE 2016)

- [21] J. Sharma, “**DG planning in Distribution Power Systems,**” *EED, KNIT Sultanpur, : MAY 2016 Completed*
- [22] Manish Kumar Yadav, “**Minimization of real power loss by STATCOM Power Systems,**” *EED, KNIT Sultanpur, : OCT 2015 Completed*
- [23] Charit Pal Singh, “**Enhancement of PQ by DGs,**” *EED, KNIT Sultanpur, : OCT 2015 Completed*
- [24] Jay Prakash Singh, “**Minimization of real power loss by DG in Power Systems,**” *EED, KNIT Sultanpur, : OCT 2015 Completed*
- [25] Bhupendra Singh. “**Enhancement of Voltage profile of system by DG in Power Systems,**” *EED, KNIT Sultanpur, : OCT 2015 In Progress*

(1JULY 2016——30 JUNE 2017)

- [26] Rajnish Gupta, “**Enhancement of PQ by DG+DSTATCOM in distribution systems,**” *EED, KNIT Sultanpur, : SEPT 2016 : IN PROGRESS*
- [27] Arvind Pratap, “**Enhancement of System power factor by DG+STATCOM in distribution systems,**” *EED, KNIT Sultanpur, : SEPT 2016 : IN PROGRESS.*
- [28] Deependra Singh, “**DG planning with different load models**” *EED KNIT Sultanpur: SEPT 2016: IN PROGRESS.*
- [29] Rahul Shukla, “**optimal location and size of DG in distribution power systems**” *EED KNIT Sultanpur: SEPT 2016: IN PROGRESS.*

M.Tech. Thesis/Dissertation Guided /Guiding:

(1JULY 2009—30 JUNE 2010)

(1JULY 2010—30 JUNE 2011)

- [1] Anand Rao “**Transient Stability Improvement of Power Systems Using Fuzzy Logic Thyristor Controlled Series Compensator (TCSC)**”, *EED, KNIT Sultanpur, June, 2011 (M.Tech. Part Time Power System): Completed*

(1JULY 2011—30 JUNE 2012)

- [2] Jaswant Kumar, “**Performance Investigation of PMSM Drives Using Vector Control Technique in SIMULINK/MATLAB Environments,**” *EED, KNIT Sultanpur, June, 2012 (M. Tech. Regular Power Electronics & Drives): Completed*
- [3] Mohd Naim, “**Investigation of Transient Performance of VSI- fed Three Phase Induction Motor Drive with SVPWM Techniques using P, PI, and PID Controllers,**” *EED, KNIT Sultanpur, June, 2012 (M. Tech. Regular Power Electronics & Drives): Completed*
- [4] Neha Kumari, “**Transient Performance Investigation of Vector Controlled Z-Source Inverter fed Induction Motor Drive**” *EED, KNIT Sultanpur, July, 2011 (M.Tech. Regular Power Electronics & Drives): Completed*
- [5] Mohd Abu Khan, “**Optimal Location of TCSC and UPFC in Deregulated Power Systems for Conjunction Management**” *EED, KNIT Sultanpur, September, July 2012 (M.Tech. Part Time Power Systems): Completed*
- [6] Indresh Yadav, “**A Self Tuned Fuzzy Controller for Speed Control of CSI-fed Three Phase Induction Motor Drive,**” *EED, KNIT, Sultanpur, July 2012: Completed*
- [7] Shah Alam Malik, “**Investigation of Transient Performance of Induction Motor Drive fed Electrical Vehicle with SVPWM Techniques using P, PI, PID and Fuzzy PID Controllers,**” *EED, KNIT, Sultanpur, July 2011: Completed*
- [8] Rahul Dixit, “**Performance Investigation of VSI-fed Induction Motor Drive with SVPWM Techniques using Conventional and Advanced Speed Controllers,**” *EED, KNIT, Sultanpur, July 2012: Completed*

(1JULY 2012—30 JUNE 2013)

- [9] Rashmi Dubey, “**Power Quality improvement of D-STATCOM and DVR for in POWER SYSTEMS,**” *EED, KNIT Sultanpur, JULY, 2013: Completed*

(1JULY 2013—30 JUNE 2014)

- [10] S.N. Singh, “**Distribution Generation allocation in Power Systems,**”, *EED, KNIT Sultanpur, JUNE, 2014: Completed*

(1JULY 2014—30 JUNE 2015)

- [11] Amrita Singh, “**Performance Evaluation of a DFIG based Wind Energy Conversion system under Grid Disturbances,**” *EED, KNIT Sultanpur, : Nov, 2014 : Completed*
- [12] Deepak Giri, “**Speed Control of Chopper fed Separately Excited DC motor Drives by PI and Fuzzy Controllers**” *EED, KNIT Sultanpur, DEC., 2014: Completed*
- [13] Mohit Jain, “**Comparisons of Diode Clamped and Cascaded Multi-level inverter for Medium Voltage Drive,**” *EED, KNIT, Sultanpur: FEB, 2014: Completed*
- [14] Raj Bahadur Singh, “**Optimal SVC by Particle Swarm Optimization Techniques in Power System Networks,**” *EED, KNIT Sultanpur, : FEB, 2014: Completed*
- [15] Ziaur Rahman Anshari, “**Enhancement of Voltage Profile Using STATCOM in Power System Networks,**” *EED, KNIT Sultanpur, : 2014: Completed.*
- [16] Brijesh Singh, “**Optimal Placement of Distributed Generation using Particle Swarm Optimization Techniques in Distributed Power Systems,**” *EED, KNIT Sultanpur, : March, 2014: Completed.*
- [17] Sunil Kumar, “**Application of D-STATCOM in Power Systems for Enhancement of Voltage Stability,**” *EED, KNIT Sultanpur, Oct, 2014: Completed*

(1JULY 2015—30 JUNE 2016)

- [18] Prem Chandra Mishra, “**Minimization of Real and Reactive Power Loss by Incorporated of STATCOM in Power system using NRLF method,**” *EED, KNIT Sultanpur, : August 2015: Completed.*
- [19] S K Yadav, “**Z-source based PI controllers for speed control of DC motors,**” *EED, KNIT, Sultanpur: MAY, 2015: Completed*

- [20] Ashok Kumar, “**Enhancement of Voltage Profile in Distribution Systems by DGs with Realistic Load Models,**” EED, KNIT, Sultanpur: July 2015 : Sept 2015: **Completed**
- [21] Amit Kumar Singh, “**Minimization of Real Power Loss by SVC in Power System Environments,**” EED, KNIT Sultanpur, : JULY 2015 : August 2015: **Completed**
- [22] Mohtasib Hasan, “**Power Quality Improvement by Optimally Placed DGs with Different Load Models in Distribution Systems Using Genetic Algorithms,**” EED, KNIT Sultanpur, : JULY 2015 : August 2105: **Completed.**
- [23] Padmesh Singh, “**Power Quality Improvement in Three Phase , 4-wire Distribution System using Shunt Active Power filters,**” EED, KNIT Sultanpur, : JULY 2015 : August 2105: **Completed**
- [24] Charitra Pal, “**Enhancement of System Power Fcator by DGs and STATCOM in Distribution Networks,**” EED, KNIT Sultanpur, : July 2015: **Completed.**
- [25] Manish Kumar Yadav, “**Enhancement of Voltage Profile Using DGs incorporated with D-STATCOM in Distribution Networks,**” EED, KNIT Sultanpur, : July 2015: **Completed.**
- [26] Janmejey Sharma, “**Distributed Generation Planning in Distribution Power Systems,**” EED, KNIT Sultanpur, : May 2016 : **Completed.**
- [27] Jay Prakash Singh, “**Minimization of Cost of Electricity by FACTS Controllers in Power Systems,**” EED, KNIT Sultanpur, : Oct 2016: **Completed.**

(1JULY 2016——30 JUNE 2017)

- [28] Arvind Pratap, “**Enhancement of System power factor by DGs and STATCOM in distribution systems by Genetic Algorithms,**” EED, KNIT Sultanpur, : Sept 2017 : **Completed.**
- [29] Deependra Mishra, “**Minimization of Real Power Loss by Distributed Generations in Distribution Network with DLMs,**” EED, KNIT Sultanpur, : Sept 2017 : **Completed.**
- [30] Vipul Shukla, “**Impact Assessment of Dgs with Hybrid Power Flow Controllers in Power Systems using Genetic Algorithms,**” EED, KNIT Sultanpur, : Sept 2017 : **Completed.**
- [31] Vimlesh, “**Optimal Placement of Distributed Generation in distribution networks from Minimization of Total Real Power Loss Veiwpoints**” EED, KNIT Sultanpur, : Sept 2017: **Completed.**

(1JULY 2017——30 JUNE 2018)

- [32] Garima Agarawal “**Planning of DG by GA in distribution power system networks,**” EED, KNIT Sultanpur, : JULY 2016 In Progress.
- [33] Bindu “**Planning of FACTS Controllers by GA in distribution power system networks,**” EED, KNIT Sultanpur, : JULY 2016 In Progress.
- [34] Bhupendra Kumar “**DG planning by Gas in distribution power system networks,**” EED, KNIT Sultanpur, : JULY 2015 In Progress.
- [35] Rajnish Gupta, “**Enhancement of PQ by DG+DSTATCOM in distribution systems,**” EED, KNIT Sultanpur, : SEPT 2017 : IN PROGRESS.
- [36] SWATI SINGH, “**Impact assessment of optimally placed DGs and CUSTOM POWER DEVICES in Distribution Power system network,**” EED, KNIT Sultanpur, : JULY 2017 : In Progress.
- [37] SARVENDRA KUMAR, “**Minimization of real power loss by DGs controllers in Power system network,**” EED, KNIT Sultanpur, : JULY 2017 : In Progress.
- [38] SUNIL RAO, “**Minimization of real power loss by different FACTS controllers such as SSSC, STATCOM, D-STATCOM, UPFC, IPFC and HPFC in Power system network,**” EED, KNIT Sultanpur, : AUGUST 2017 : In Progress.
- [39] PRASANT KUMAR, “**Minimization of real power loss by different DGs such as T1, T2, T3 and T4 in Power system network,**” EED, KNIT Sultanpur, : AUGUST 2017 : In Progress.

Ph. D. Thesis Guided /Guiding:

- [1] Arvind Pratap “**Co-ordination of Different types Distributed Generations in Distribution Systems with Different Static Load Models using Hybrid Approach,**” EED, Indian Institute of Technology (Indian School of Mines), Dhanbad- 826004, Jharkhand, India : DECEMBER. 2017: In Progress.
- [2] Vimlesh “**Power Quality Improvement by Integration of Distributed Generations and FACTS Controllers in Distribution Networks,**” EED, Indian Institute of Technology (Indian School of Mines), Dhanbad- 826004, Jharkhand, India : DECEMBER. 2017: In Progress.

- [3] Vipul Shukala “**Optimal Placement and Properly Coordinated Control of Distributed Generations and FACTS Controllers in Power Systems,**” *EED, Indian Institute of Technology (Indian School of Mines), Dhanbad- 826004, Jharkhand, India : DECEMBER. 2017: In Progress.*
- [4] Deependra Kumar Mishra “**A Novel Planning Approach for Different Types of Distributed Generations,**” *EED, Indian Institute of Technology (Indian School of Mines), Dhanbad- 826004, Jharkhand, India : DECEMBER. 2017: In Progress.*
- [5] Charit Pal “**Multi-Objective Optimization Coordination of Distributed Generations and Plug-in Hybrid Electric Vehicles (PHEVs), Battery Electric Vehicles (BEVs), Fuel Cell Electric Vehicles (FCEVs) in Distribution Systems,**” *EED, Indian Institute of Technology (Indian School of Mines), Dhanbad- 826004, Jharkhand, India : JANUARY 2018: In Progress.*

Annexure-V

Editors/Reviewer for the National/ International Journals Papers:

[1] IEEE Transactions on Power Systems

- 1. Comparison between optimal control strategies applied to a system with unified power flow controller, shunt converter and series converter for power quality improvement, March 2010 (**Review for Paper TPWRS-00147-2010**).
- 2. Optimal location of TCSC by AI techniques, April 2010 (**Review for Paper TPWRS-00159-2010**).
- 3. A Hybrid Optimization Method for Increasing System Loadability and Security Using FACTS Devices (Review of Paper TPWRS-00585-2013).

[2] IEEE Transactions on Power Delivery

- 1. A Combined TCBR-TCSC for Transient Stability Improvement, March 2010 (**Review for Paper: TPWRD-00043-2010**).
- 2. Application of UPQC for Electrical Arc Furnace Control and Power Quality Improvement (Paper TPWRD-00377-2012.R1).

[3] International Journal of Engineering Science and Technology (IJEST), Denmark

- 1. Classification of Voltage Sag, Swell and Harmonics using S-transform Based Modular Neural Networks, July 2010.
- 2. Fuzzy Logic PID Control for Automatic Voltage Regulator System, August 2010.

[4] IET Generation, Distribution & Transmission Journal

- 1. Locating Static Var Compensators Based on Inherent Network Topology (**Manuscript ID: GTD-2011-0779**).
- 2. Integrating Distributed Generations Models in Distribution System Load Flow (**Manuscript ID: GTD-2012-0206**).
- 3. Optimum Allocation of FACTS Devices under Load Uncertainty Based on Penalty Functions with Genetic Algorithm (**Manuscript ID: GTD-2012-0453**).
- 4. Reliability Enhancement via Optimal Distribution Feeder Reconfiguration considering Uncertainty'. (Manuscript ID: GTD-2013-0084).
- 5. Decisive factors to select the best location for placing FACTS controllers to improve the system security under contingencies using Cuckoo Search Algorithms (**Manuscript ID: GTD-2013-0505**).

[5] Electric Power Components& Systems journal

- 1. An integrated model of modern power system in the presence of SVC and STATCOM to assess global voltage stability, August 2010 (**Manuscript ID: UEMP: 2010-0411**).
- 2. Extending the Static VAR Compensator Equations for Load Balancing at Desired Power Factor, October 2010(**Manuscript ID UEMP:-2010-0523**).
- 3. Optimal Location of TCSC in Power Systems for Increasing Loadability by Genetic Algorithm, November, 2010(**Manuscript ID UEMP:-2010-0621**).
- 4. Tuning of output feedback UPFC controller parameters using Imperialist Competitive Algorithm, January, 2011(**Manuscript ID UEMP:-2010-0725**).

5. Optimal location of TCSC to reduce the emission with economic in electricity generation considering all system constraints, February, 2011(**Manuscript ID UEMP:-2011-0017**).
6. Modeling and Control of Universal Power Line Manager, April, 2011 (**Manuscript ID: UEMP-2011-0173**).
7. Chaos Based Output Feedback Controller Design for TCSC and PSS to Enhance the Power System Stability (**Manuscript ID: UEMP-2011-0201**).
8. Design of optimal lead-lag and fuzzy logic controller based SVC using particle swarm optimization (**Manuscript ID: UEMP-2011-0272**).
9. A Feedback Linearization based UPFC Internal Controller for Power Flow Control (**Manuscript ID: UEMP-2011-0432**).
10. Determination of Firing Angle for Multiple SVCs to Improve Voltage Stability (**Manuscript ID: UEMP-2011-0447**).
11. A Fast and Efficient Approach for Optimal Location and Parameter Setting of Multiple TCSCs for Deregulated Power Sector (**Manuscript ID: UEMP-2011-0643**).
12. Artificial Intelligence Regulated On-line Surveillance of a Practical Network using Static Var Compensator (**Manuscript ID: UEMP-2011-0728**).
13. Mitigation of Capacitor Bank Switching Transients by Using SVCs in Large Plants Instead of Capacitor bank and Circuit Breaker (**Manuscript ID: UEMP-2012-0074**).
14. Inclusion of Second Order Term of Taylor Expansion for Modal Analysis of SVC Torsional Interaction (**Manuscript ID: UEMP-2012-00534**).
15. Application of Sub synchronous Damping Controller to Static Var Compensator (**Manuscript ID: UEMP-2013-00566**).

[6] European Transactions on Electrical Power Systems

1. Optimal placement of Phase Shifter Transformers (PST) for power loss reduction using Genetic Algorithm (GA) (**Manuscript ID: ETEP-11-0539**)

[7] Journal of Electrical & Electronics Engineering Research (JEEER)

1. Dynamic Pattern Recognition System for Sensor's Drift Counteraction, October 2010 (**Manuscript Number: JEEER-10-077**).
2. Multi-Regions Particle Swarm Optimization Algorithm, February 2011(**Manuscript Number: JEEER-11-020**).
3. Comparison of Reliability in Modular Multilevel Inverters, February 2011(**Manuscript Number: JEEER-11-021**).
4. Design and development of Fuzzy Logic Controller to Control the Speed of Permanent Magnet Synchronous Motor, February 2011(**Manuscript Number: JEEER-11-022**).
5. Energy Saving Scheme for SVM Inverter Fed Induction Motor Drives, 2012, (**Manuscript Number: JEEER-12-025**).

[8] International Journal of Computer System Science & Engineering (IJCSSE), DEBII, Curtin University of Technology, Australia

1. Study on Applications of Artificial Intelligence Based Multiple Models Predictive Control Scheme (**Manuscript Number: IJCSSE-C-1830**).

[9] TELKOMNIKA Scientific Journal, Department of Electrical Engineering, Ahmad Dahlan University (Yogyakarta-Indonesia)

1. Generator Contribution Based Congestion Management using Objective Genetic Algorithm (**No.:44.2/Telkonnika/09.01/04/11**).

[10] 11th International Conference on control, Automation and Systems (ICCAS 2011) Papers Reviewed: (Bucheon Techno Park 401-1506, 193, Yakdae-Dong, Wonmi-Gu Bucheon-City, Gyeonggi-Do, 420-734, Korea, Phone : +82-32-234-5801, Fax : +82-32-234-5807,conference@icross.org)

1. Integration of Power Grid Operational System (**Paper No. : 110505**).
2. Delta-operator based adaptive MPC for an MCFC system (**Paper No. : 110492**).
3. Generalized Model Predictive Control for a Multivariable Boiler- Turbine Unit (**Paper No. : 110439**).
4. Design and Control of Lightweight Static Inverter for EMU (**Paper No. : 110296**).

5. Power usage pattern and consumption separation method by load devices based on remote metering system's Load profile data (**Paper No. : 110144**).
6. Performance of Generalized Statistical Smoothing to Inverse Haltoning (**Paper No. : 110030**).

[11] Turkish Journal Of Electrical Engineering & Computer Sciences

1. Computation of Total Transfer Capability Using Power Producer's Bidding in the Deregulated Environment (**Manuscript Code Number : ELK-1107-31**).
2. ACPTDF for Multi-transactions and ATC Determination in Deregulated Markets (**Manuscript Code Number: ELK-1108-12**).
3. Intelligent Integrated Technique for Controlling Multi Transmission Line Using Inter Line Power Flow Controller (**Manuscript Code Number: ELK-1109-41**).
4. Induction Motor Modeling Under Voltage Fluctuation Conditions (**Manuscript Code Number: ELK-1110-8**)

[12] Iranian Journal of Electrical and Computer Engineering

1. Simulation and Implementation of Fault Detection in AC to AC Converter Fed Induction Motor (**Paper No.:**1953.2011.06.12).

[13] International Journal of Computer Science and Artificial Intelligence (IJCSAI)

1. Revised Regional Flood Frequency Analysis in Large Central Watershed of Iran (**Paper No.:** IJCSAI10014-20111231).
2. Industry Value Chain Analysis on Benefit Models of New Energy Vehicles (**Paper No.:** IJCSAI10014-20111255).
3. A New Algorithm for Z-Matrix Building Process Based on Power System Islanding (**Paper No.:** IJCSAI10049-2012-1255).

[14] International Journal of Soft Computing and Engineering (IJSCE)

1. Quality Improvement in Turning Process using Taguchi's Loss Function (Paper ID: D0122081411).
2. Long Term Electric Load Forecasting using Neural Networks and Support Vector Machines (**Paper ID: E0137081511**).

[15] E3 JOURNAL OF ENERGY OIL AND GAS RESEARCH

1. New power losses allocation method based on the decomposition of the network matrix and the voltage regulation at network nodes (Paper ID: EJEGR-11-010).

[16] International journal of Emerging and systems (IJES)

1. A Study of Generating Electricity Performance of Two-chamber Microbial Fuel Cell Treating Simulated Silver-containing Wastewater (Paper No.:IJES-11.21).

[17] Editors/Reviewed for The National/ International Books

1. Book "**Utilization of Electrical Energy**" Pearson Education, Chennai, 2011.

[18] International Journal of Physical Sciences

1. Optimal Tuning of PID Type Stabilizer Using Elitist Gravitational Search Algorithm (IJPS-12-519).

[19] International Journal of Automation and Power Engineering

1. DSP Based Implementation of Mixed-Frequency Power for Induction Motor (Paper ID:J3196)
2. Synchronization Of Chaotic Fractional-Order LU-LU System Via (Paper ID:J7696)
3. Asymptotic Tracking of Systems with Non-Symmetrical Input Dead zone (Paper ID:IJAPE101).
4. Mechanisms of the Autonomous Control (Paper ID: IJAPE104)

[20] ACTA PRESS JOURNAL-International Journal of Power and Systems

1. GENERAL FAULT ADMITTANCE METHOD SOLUTION OF A BALANCED LINE TO LINE TO LINE TO GROUND FAULT (Paper Id. 203-5119).
2. MICROGRID STEADY-STATE SIMULATION UNDER DIFFERENT CONVERTER CONTROL STRATEGIES BY USING POWERWORLD SIMULATOR (Paper Id. 203-5122).

[21] International Journal of Renewable Energy Research-IJRER

<http://www.ijrer.org/index.php/ijrer>

1. An Integrated Hardware set up for Performance Monitoring of Photovoltaic based Distributed Generation System: IEC61724 compliance,"

[22] Journal of Electrical and Control Engineering (JECE)

1. Nonlinear Control of Bearing-less Switched Reluctance Motor Using Variable Structure System (Paper JECE-10214).

[23] IEEE Sponsored International Conference on Control, Computing, Communication and Materials-2013, ICCCCM-2013 (August 03-04, 2013), Organized by: United Institute of Technology, Allahabad and Asian Institute of Technology, Bangkok In association with IEEE Joint Chapter of IE/PEL/CS under IEEE UP section:

1. Design of low power SRAM Cell with combined effect of sleep stack and variable body bias technique (Paper ID: Paper Submission _20: ICCCCM-2013).
2. Real time IR radiation based Optical emission method of Singlet Oxygen concentration measurement for Chemical Oxygen Iodine Laser, acquisition & analysis (Paper ID: Paper Submission _41: ICCCCM-2013).

[24] Journal of Circuit, Systems, and Components

1. EXPERIMENTAL RESULTS OF A 7-LEVEL MULTI-WINDING TRANSFORMER BASED DIODE CLAMPING MULTILEVEL INVERTER (Ref.:Ms.No.WSPC-JCSC-D-13-00069). Journal of Circuits, Systems, and Computers.

[25] International Journal of Energy Science(IJES)

1. Studies on biomass based power generation system using prosopis /ulifloa and leucanena ieucocephala.

Annexure-V

Expert Lectures / Key Note Addresses/Tutorial /Invited Talk Delivered:

- [1] Delivered expert lectures on “**Networks & Systems**” at *Institute of Technology and Management (I.T.M.), Gida, Gorakhpur, U.P., India, March 10, 2006.*
- [2] Delivered expert lectures on “**Electro-Mechanical Energy Conversion-I**” at *Institute of Technology and Management (I.T.M.), Gida, Gorakhpur, U.P., India, Aril 25, 2006.*
- [3] Delivered expert lectures on “**Fundamental of Electrical Engineering**” *Raj Kumar Goel Institute of Technology, Ghaziabad, U.P., India, February 23, 2007.*
- [4] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, U.P., India, April 27, 2008.*

(1JULY 2009 — 30 JUNE 2010)

- [5] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Rajashanjay Institute of Engineering &Technology (RSIET), Amethi, Sultanpur-228118, U.P., India, September 25, 2009.*
- [6] Delivered expert lectures on “**Electrical Engineering**” at *Kamla Nehru Management Institute of Engineering &Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 12-15 January, 2010.*

(1JULY 2010 — 30 JUNE 2011)

- [7] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Rajashanjay Institute of Engineering &Technology (RSIET), Amethi, Sultanpur-228118, U.P., India, 2-3 October, 2010.*
- [8] Delivered expert lectures on “**Electro-Mechanical Energy Conversion-II**” at *Kamla Nehru Management Institute of Engineering &Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 19-20 November, 2010.*
- [9] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Kamla Nehru Management Institute of Engineering &Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 21-22 November, 2010.*
- [10] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Krishna Engineering College (KEC), Mohan Nagar, Lodhi Road, Ghaziabad, U.P., India, 5-8 March, 2011.*
- [11] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Krishna Institute of Engineering & Technology, (KIET), Muradnagar, Meerut Road, Ghaziabad, U.P., India, 23-24 April, 2011.*

(1JULY 2011——30 JUNE 2012)

- [12] Delivered expert lectures on “**Electro-Mechanical Energy Conversion (EMEC-II)**” at *Raj Kumar Goel Institute of Technology (RKGIT), Meerut Road, Ghaziabad, U.P., India, 18-20, August, 2011.*
- [13] Delivered expert lectures on “**Fundamental of Power Electronics and Drives**” at *Rajashanjay Institute of Engineering &Technology (RSIET), Amethi, Sultanpur-228118, U.P., India, 23-24 APRIL, 2012.*

(1JULY 2012——30 JUNE 2013)

- [14] Delivered expert lectures on “**EMEC-II**” at *MKREC, Ambedhakarnagar, U.P., India, 15-20 November, 2012.*
- [15] Delivered expert lectures on “**ENTREPRENSHIPS: CONCEPTS, DEFINITIONS, ARROACHES, and IMPLEMENTATIONS**” at *KNIT, Sultanpur, U.P., India, 05 March, 2013.*
- [16] Delivered key notes address on “**INTRODUCTION TO FACTS CONTROLLERS: CONCEPTS, DEFINITIONS, ARROACHES, and IMPLEMENTATIONS**” NCRTES-2013, EED, at *KNIT, Sultanpur, U.P., India, 06April, 2013.*

(1JULY 2013——30 JUNE 2014)

- [17] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *Kamla Nehru Management Institute of Engineering &Technology (KNMIET), Fridipur, Sultanpur-228118, U.P., India, 20-24 MARCH, 2014.*
- [18] Delivered expert lectures on “**Fundamental of Networks Analysis &Synthesis**” at *KEC, Ghaziabad, U.P., India, 15-17 MAY, 2014.*

(1JULY 2014——30 JUNE 2015)

- [1] Delivered expert lectures on “**Introduction to FACTS Controllers**” in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** at *KNIT Sultanpur-228118, U.P., India, organized by Department of Electrical Engineering in KNIT Sultanpur, 20-21 FEB, 2015, sponsored by WBTEQIP-II Phase.*
- [2] Delivered expert lectures on “**Introduction to Distributed Generation Planning in Power Systems by AI techniques**” in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** at *KNIT Sultanpur-228118, U.P., India, organized by Department of Electrical Engineering in KNIT Sultanpur, 20-21 FEB, 2015, sponsored by WBTEQIP-II Phase.*

(1JULY 2015——30 JUNE 2016)

(1JULY 2016——30 JUNE 2017)

Expert Lectures / Key Note Addresses/Tutorial /Invited Talk Attended:

- [3] Attended a Key Note Lecture-I address by **Prof. (Dr.) P. Mahanta, IIT, Guwahati** on “**Energy Management System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
- [4] Attended a Key Note Lecture-II address by **Prof. P. B. Sharma, DCE, New Delhi**, on “**Energy Environments System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*
- [5] Attended a Key Note Lecture-III address by **Prof. (Dr.) C. Srinivasakannan, Curtin University of Technology, Sarawak Campus, Malaysia** on “**Challenges and Strategies for Sustainable Energy and Efficiency Environments System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, at UPTU, Lucknow, India, June 10-11, 2006.*

- [6] Attended a Key Note Lecture-IV address by **Prof. (Dr.) L.L. Lai, Energy System Groups, City University, London** on “**Electrical Power and Energy Environments System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment*, at *UPTU, Lucknow, India, June 10-11, 2006*.
- [7] Attended a Key Note Lecture-V address by **Prof. (Dr.) Fushuan Wen, South China University of Technology, Guangzhou** on “**Utilization of Electrical Power and Energy System**” in *International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment*, at *UPTU, Lucknow, India, June 10-11, 2006*.
- [8] Attended a tutorial address by **Prof. S.S. Venkata, University of Washington, Seattle, USA** on “**Smart Distribution Grids and the Advanced Integrated Distribution Management System**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008*.
- [9] Attended an Invited Talk address by **Prof. A.M. Gole, NSERC Industrial Research Chair University of Manitoba, Winnipeg, Canada** on “**Advances in Transient Simulation Techniques for Modern Power Systems**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008*.
- [10] Attended an Invited Talk address by **Prof. K.R. Padiyar, Emeritus Professor, IISc Bangalore, India** on “**Control Strategies to Improve System Operation**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008*.
- [11] Attended an Invited Talk address by **Mr Prashun Dutta, Senior Executive Vice-President, Reliance Energy, India** on “**IT for Power Sector**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008*.
- [12] Attended an Invited Talk address by **Dr Krishna V Prasad, Tata Consultancy Services, India** on “**Enterprise Efficiency in the Power Sector: Integration of Technologies**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008*.
- [13] Attended an Invited Talk address by **Prof. S.B. Kedare, IITBombay, Prof. B.G. Fernandes, IIT Bombay, Mr R. Kharul, WISE, Pune, Mr R. Samant, Tata Power, Mumbai, India** on “**Wind Technology and Systems**” in *National Power System Conference (NPSC-2008) at IIT Bombay, Bombay, India, 16-18 December, 2008*.

(1 JULY 2009 — 30 JUNE 2010)

- [14] Attended a key note address by **Prof. Anoop Singh, IME, Magagement Department, IIT Kanpur, U.P., India** on “**Personality & Communication Skill Development**” in *Electrical Engineering Department, Seminar Room, at Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118(U.P.), India, 26th March, 2010*.

(1 JULY 2010 — 30 JUNE 2011)

- [15] Attended a key note address by **Prof. S N. Singh, Visiting Professor, Demark Technical University, Denmark, (IIT Kanpur, U.P., India)** on “**Good Methodology of Teaching**” in *Electrical Engineering Department, Seminar Room, at Kamla Nehru Institute of Technology (KNIT), Sultanpur-228118(U.P.), India, 14th July, 2010*.
- [16] Attended the Expert Lecture (delivered by **Prof. J. P. Saini, Principal, MMMEC, Gorakhpur**) on “**Applications of Neural Network to Power Systems and power Electronics & Drives**” organized by, *Research and Development activities, Department of Electrical Engineering, KNIT, Sultanpur, India, during Nov.28, 2010*.
- [17] Attended a key note address by **Dr. S.S. K. Iyer, EED, IIT Kanpur**, on “**Recent Developments in Solar Power Generation,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by *Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010*.
- [18] Attended a key note address by **Prof. S.C. Srivastava, EED, IIT Kanpur**, on “**Smart Grid : Few Concepts and System Perspective ,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by *Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010*.
- [19] Attended a key note address by **Prof. Kalyanmoy Deb, MED, IIT Kanpur**, on “**Evolutionary Algorithm for Applied Optimization,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by *Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010*.
- [20] Attended a key note address by **Prof. S.C. Srivastava, EED, IIT Kanpur**, on “**Synchronized Measurement based Wide Area Monitoring of Power Systems ,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by *Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010*.
- [21] Attended a key note address by **Dr. Nischhal K Mishra, IIT Kanpur, MED, IIT Kanpur**, on “**Fuzzy Logic and Its**

- Application in Power Systems,”** in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010 .
- [22] Attended a key note address by **Prof. S.N. Singh**, EED, IIT Kanpur, on “ **Demand Response and Its Prediction in Competitive Power Markets,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [23] Attended a key note address by **Prof. S.N. Singh**, EED, IIT Kanpur, on “**Quality of Supply in Service –Concept, Technology and egulations,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [24] Attended a key note address by **Prof. Kalyanmoy Deb**, MED, IIT Kanpur, on “**Evolutionary Multi-objective Optimizations,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [25] Attended a key note address by **Prof. A. K. Chatruvedi**, EED, IIT Kanpur, on “ **Role of Information and Communication Technologies in Smart Grid,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [26] Attended a key note address by **Dr. Shantanu K Mishra**, EED, IIT Kanpur, on “**Advances in Converter Topology and Technology ,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [27] Attended a key note address by **Dr. Sukumar Mishra**, EED IIT Kanpur, on “**Soft Computing (BFO & PSO),**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [28] Attended a key note address by **Dr. Arvind Tiwari**, GE Bangalore, on “**Smart Grid Initiative around the World and Utilities Perspective,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [29] Attended a key note address by **Dr. Anoop Singh**, IME, IIT Kanpur, on “**Economics of Regulation for Power Sector,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [30] Attended a key note address by **Prof. B. S. Rajpurohit**, EED, IIT Mandi, Gujrat, on “**Wind Power Generations: Key Issues and Challenges,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [31] Attended a key note address by **Dr. S.S.K. Iyer**, EED, IIT Kanpur, on “**Recent Development in Solar Power Generation,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [32] Attended a key note address by **Dr. U.K. Dwivedi**, RGIPT Rai, Bareilly, on “**Power Quality: Detection and Localization,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [33] Attended a key note address by **Dr. N.P. Pandhy**, EED, IIT Roorkee, on “**Distribution Network Pricing,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [34] Attended a key note address by **Er. R. K. Jain**, KESCO, Kanpur, on “**Improving Efficiency in Distribution and Addressing Theft of Electricity,**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [35] Attended a key note address by **Dr. Sukumar Mishra**, E and ED, IIT Delhi, on “**Soft Computing (BFO & PSO),**” in the *Short Term Courses (STC)* on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [36] Attended a key note address by **Dr. N.P. Pandhy**, EED, IIT Roorkee, on “**AI Applications (ANN & ACS) in Emerging**

- Power Systems,”** in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [37] Attended a key note address by **Dr. S.L. Kumar**, EED, IIT Kanpur, on “**Support Vector Machine for Classification of Power System Problems,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [38] Attended a key note address by **Er. N. Murugesan**, CPRI, Bangalore, India, on “**Role of Smart Meters in Smart Grid Initiatives,**” in the *Short Term Courses (STC) on “Intelligent System Applications to the Smart Electric Grid Solutions”* organized by Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010.
- [39] Attended a key note address by **Prof. A G Phadke**, Virginia Tech, USA on “**Wide Area Measurement Applications for Improved Protection**” in *National Power System Conference (NPSC-2010) at University College of Engineering, Osmania University, Hyderabad, A.P., India, 15-17 December, 2010.*
- [40] Attended a Tutorial by **Prof. S. S. Venkata**, Iowa State University, USA on “**The Vision and Road Map for Realizing Smart Distribution Grid**” in *National Power System Conference (NPSC-2010) at University College of Engineering, Osmania University, Hyderabad, A.P., India, 15-17 December, 2010.*
- [41] Attended a key note address by **Prof. Alain Bretto**, University of Caen, France on “**Lossless and near lossless 2D and 3D Images Hypergraph-based compression**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [42] Attended a key note address by **Prof. Satya Sheel**, MNIT, Allahabad, India on “**ANN & Its Applications**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [43] Attended a key note address by **Prof. G. L. Pahuja**, NIT Kurukshetra, India on “**Recent Issues of Reliability Engineering**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [44] Attended a key note address by **Prof. V. C. Bhavsar**, Director, Advanced Computational Research Lab, University of New Brunswick, Canada on “**Parallel Computing**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [45] Attended a key note address by **Prof. E.G.Rajan**, Chairman, Pentagon Group of Companies Hydrabad, A.P., India on “**Signal Processing**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [46] Attended a key note address by **Prof. S.P.Gupta**, IIT Roorkee, India on “**Development of Renewable Energy Priorities and Issues**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [47] Attended a key note address by **Prof. R.S. Anand**, IIT Roorkee, India on “**Signal Processing Application in Biomedical Applications**” in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Muradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [48] Attended a Plenary Lecture address by **Prof. S.C. Srivastava**, IIT Kanpur, India on “**Smart Management of Electricity Grid using Synchro-Phasor Technology**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
- [49] Attended a Plenary Lecture address by **Prof. K.S. Verma**, Director, KNIT, Sultanpur, India on “**Energy Management in India Perspective**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
- [50] Attended a Plenary Lecture address by **Prof. D. Thukaram**, IISc Bangalore, India on “**Application of SVMs and ANNs for Post-Fault Analysis and Restoration of Power Networks**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
- [51] Attended a Key Notes address by **Prof. D. P. Kothari**, VIET, Vellore. Indore, India on “**Energy and Environmental Problems Facing the Third World and Their Probable Solutions**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*

- [52] Attended a Plenary Lecture address by **Prof. Bhim Singh, IIT Delhi, India** on “**Latest Trends in Wind Power and Pico Hydro Generation**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
- [53] Attended a Plenary Lecture address by **Prof. S.N. Singh, IIT, Kanpur, India** on “**Intelligent System Applications in Solving Engineering Problems**” *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College, Gorakhpur -273010, India, 25-26 March 2011.*
- [54] Attended a Expert Lecture address by **Prof. Biswajeet Choudhary, Sr. Scientific Office-II, D.G.A.Q.A., HAL, Korwa, Sulnapur, (U.P.)-228118, India** on “**Motivation & its Effect in Life**”, *Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur -228118, India, 23 April 2011.*
- [55] Attended a Expert Lecture address by **Prof. Shashank Priya, Department of Material Science & Engineering, Virginia Tech, U.S.A.** on “**Energy Harvesting and Magnetolectric Composite**”, *Teach for Technocrats, C.S.A Hall, Kamla Nehru Institute of Technology, Sultanpur -228118, India, 15 May 2011.*
- [56] An expert lecture attended on the “**Overview of Digital Control System-I**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [57] An expert lecture attended on the “**Overview of Digital Control System-II**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [58] An expert lecture attended on the “**Introduction of Digital Design**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [59] An expert lecture attended on the “**Virtual Lab**” by **Dr. Vinod Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 30, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [60] An expert lecture attended on the “**Stability Analysis of Digital Control System-I**” by **Dr. Yogesh Vijay Hote, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [61] An expert lecture attended on the “**Design of Digital Controller-I**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [62] An expert lecture attended on the “**VHDL Programming**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [63] An expert lecture attended on the “**Basic Design using VHDL**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on May 31, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [64] An expert lecture attended on the “**Stability Analysis of Digital System-II**” by **Dr. Yogesh Vijay Hote, Department of Electrical Engineering, IIT, Roorkee** on June 01, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [65] An expert lecture attended on the “**Design of Digital Controller-II**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 01, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [66] An expert lecture attended on the “**Digital Implementation on FPGA**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on June 01, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [67] An expert lecture attended on the “**Digital Circuit Design**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on June 02, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [68] An expert lecture attended on the “**Embedded Processor**” by **Dr. Vishal Kumar, Department of Electrical Engineering, IIT, Roorkee** on June 02, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).

- [69] An expert lecture attended on the “**Introduction to Simulink HDL Coder**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 02, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [70] An expert lecture attended on the “**Implementation of PID Controller on FPGA**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 03, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).
- [71] An expert lecture attended on the “**Demonstration of PID Controller Implementation**” by **Dr. Barjeev Tyagi, Department of Electrical Engineering, IIT, Roorkee** on June 03, 2011 under **QIP Short term course on Digital Design Technique: Applications to Control System** at IIT, Roorkee (Uttarakhand).

(1 JULY 2011 — 30 JUNE 2012)

- [72] Plenary Talks by **Dr.H.B Gooi** , school of electrical & electronics engineering, *Nanyang Technological University, Singapore*, “*Sustainable, economic and secure electricity supply in Singapore*” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
- [73] **Plenary Talks by Dr.S.P Chowdhury** , University of Cape Town , “*South Africa, Protection and Control of Domestic PV Based Micro-grids* ” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
- [74] **Plenary Talks by Dr.S. Winberg** , University of Cape Town , South Africa, “**Smart Wireless Networking Innovation Done Faster: Latest Trends in Wireless Network Development using Software Defined Radio and Cognitive Radio Techniques**” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
- [75] **Plenary Talks by Dr.Subir Kumar Sarkar** , *Jadavpur University , India*, “*Nano devices and this impact on electronic systems,*” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
- [76] **Plenary Talks by Dr.Gopichand Bopparaju**, Manager, Grid Systems, R&D, ABB, Chennai , India, “*VSC Based FACTS & HVDC: ABB’s Experience,*” *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
- [77] Attended a Expert Lecture address by **Prof. D.S. Chauhan, Vice-chancellor, Uttarakhand Technical University, Uttarakhand, Dehradun, India** on “**Education with Religions**”, *Department of Electrical Engineering, CSA HALL, Kamla Nehru Institute of Technology, Sultanpur -228118, India, 19 July 2011.*
- [78] Attended a Plenary Lecture address by **Prof. Ashish Dutta, Mechanical Engineering Department, IIT, Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [79] Attended a Plenary Lecture address by **Prof. B.M. Mohan,, Electrical Engineering Department, IIT, Kanpur, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [80] Attended a Plenary Lecture address by **Prof. Debasish Ghosh,, Aerospace Engineering Department, IISc, Bangalore, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [81] Attended a Plenary Lecture address by **Prof. Indra Narayan Kar, Electrical Engineering Department, IITD, Delhi, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [82] Attended a Plenary Lecture address by **Prof. Indrani Kar, Electrical Engineering Department, IIT Guwahati, India** on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear

- Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [83] Attended a Plenary Lecture address by *Prof. K. Madhava Krishna, Electrical Engineering Department, IIT Hyderabad, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [84] Attended a Plenary Lecture address by *Prof. K.S. Venkatesh, Electrical Engineering Department, IIT Kanpur, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [85] Attended a Plenary Lecture address by *Prof. Laxmidhar Behra, Electrical Engineering Department, IIT Kanpur, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [86] Attended a Plenary Lecture address by *Prof. Nischal Kumar Verma, Electrical Engineering Department, IIT Kanpur, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [87] Attended a Plenary Lecture address by *Prof. Radhakant Padhi, Aerospace Engineering Department, IISc, Bangalore, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [88] Attended a Plenary Lecture address by *Prof. Ramprashad Potluri, Electrical Engineering Department, IIT Kanpur, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [89] Attended a Plenary Lecture address by *Prof. Swagat Kumar, Electrical Engineering Department, IIT Rajasthan, India* on “**QIP School on Intelligent Systems and Control 2011**” Organized by SERC School on Adaptive Control of Non-linear Systems Using Fuzzy and Neural Networks and QIP School on Intelligent Systems and Control 2011, EED, IIT Kanpur, India, 5-9th October 2011.
- [90] Attended a Plenary Lecture address by *Er VK Agrawal, POSCO, New Delhi, India* on “**Operation & Management of Indian National Grid: Key Issues & Challenges**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [91] Attended a Plenary Lecture address by *Prof. S.C.Srivastava, Electrical Engineering Department, IIT Kanpur, India* on “**Synchrophasor Technology: Concept and Applications**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [92] Attended a Plenary Lecture address by *Prof. S.N.Singh, Electrical Engineering Department, IIT Kanpur, India* on “**Power Flow Analysis**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [93] Attended a Plenary Lecture address by *Prof. Ashwani Kumar, Electrical Engineering Department, NIT Kurukshetra, India* on “**Introduction to Power System Analysis Tools**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [94] Attended a Plenary Lecture address by *Prof. S.C.Srivastava, Electrical Engineering Department, IIT Kanpur, India* on “**Optimal Power Flow Studies**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [95] Attended a Plenary Lecture address by *Dr Seethalekshmi K, BBDU Lucknow, India* on “**Power Swing & Voltage Instability: Causes and Remedial Measures**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [96] Attended a Plenary Lecture address by *Dr Seethalekshmi K, BBDU Lucknow, India* on “**Adaptive Load Shedding Schemes Ensuring Frequency & Voltage stability**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [97] Attended a Plenary Lecture address by *Prof. S.N.Singh, Electrical Engineering Department, IIT Kanpur, India* on “**Flexible AC Transmission Systems: Concept and Applications**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.

- [98] Attended a Plenary Lecture address by **Dr Saikat Chakraborti, Electrical Engineering Department, IIT Kanpur, India** on “**State Estimation in Emerging Power Systems and Technology**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [99] Attended a Plenary Lecture address by **Dr SK Singh, IIM Lucknow, India** on “**Power Sector in India: Issues, Challenges, and Opportunities**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [100] Attended a Plenary Lecture address by **Mr K Bhashakr, IIT Kanpur, India** on “**Role of Forecasting in Power System operation**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [101] Attended a Plenary Lecture address by **Dr Tripta Thakur, MANIT Bhopal, India** on “**Regulation and Security of Supply: A Global Perspective**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [102] Attended a Plenary Lecture address by **Dr Tripta Thakur, MANIT Bhopal, India** on “**Performance evaluation using productivity and efficiency analysis of the electric utilities: A case study of Indian Power Sector**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [103] Attended a Plenary Lecture address by **Dr Ashwani Kumar, NIT Kurukshetra, India** on “**Load Frequency Control and Congestion Management**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [104] Attended a Plenary Lecture address by **Prof. Bhim Singh, EED, IIT Delhi India** on “**Wind Power Generation in Integrated and Islanded mode of operation**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [105] Attended a Plenary Lecture address by **Prof. Bhim Singh, EED, IIT Delhi India** on “**Recent Trends in Converter Technology in Power Systems**” Organized by Prof. S.N. Singh, STC on “**Operation and Management of Emerging Power System,**” EED, IIT Kanpur, India, 21-25th November 2011.
- [106] Attended a Plenary Lecture address by **Prof. Bhim Singh, EED, IIT Delhi India** on “**Wind Power Technology**” organized by *Department of Electrical Engineering and Electronics Engineering on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011),” ETEEE-2011, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.*
- [107] Attended a Plenary Lecture address by **Prof. D.P. Kothari, EED, IIT Delhi India** on “**Power Systems Operation and Control**” organized by *Department of Electrical Engineering and Electronics Engineering on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011),” ETEEE-2011, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.*
- [108] Attended a Plenary Lecture address by **Prof. D.P. Kothari, EED, IIT Delhi India** on “**Applications of AI Techniques to Power Systems,**” organized by *Department of Electrical Engineering and Electronics Engineering on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011),” ETEEE-2011, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.*
- [109] Attended a Plenary Lecture address by **Prof. Abhay Kumar Srivastava, EED, IIT Kanpur, India** on “**FACTS Controllers and its Applications**” organized by *Department of Electrical Engineering and Electronics Engineering on “Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011),” ETEEE-2011, Kamla Nehru Institute of Technology, Sultanpur-288188, India, and Mahamaya Institute of Information Technology, Ambedkar nagar, India during November 26-27, 2011.*
- [110] Attended a Plenary Lecture address by **Prof. P. K. Dash, Professor, SOA University** on “**Intelligent Systems**” organized by *Department of Electrical Engineering and Electronics engineering on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.*
- [111] Attended a Plenary Lecture address by **Shri. Abhay Samant, R&D Section Manager at National Instruments** on “**Communication Engineering Technology with focus on advancements in SDR, MIMO and Antenna Test Systems**” organized by *Department of Electrical Engineering and Electronics engineering on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.*
- [112] Attended a Plenary Lecture address by **Prof. B. Yegnanarayana, Professor and Microsoft Chair, IIIT Hyderabad** on “**Challenges in processing natural signals like speech**” organized by *Department of Electrical Engineering and Electronics engineering on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.*

- [113] Attended a Plenary Lecture address by **Prof. V. M. Gadre**, Professor, IIT Bombay on “Wavelets and their use in systems” organized by *Department of Electrical Engineering and Electronics engineering* on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.
- [114] Attended a Plenary Lecture address by **Prof. S. Mukhopadhaya, Professor**, IIT Kharagpur on “Ballistic Target Tracking: A Case Study of Real World Kalman Filtering” organized by *Department of Electrical Engineering and Electronics engineering* on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.
- [115] Attended a Plenary Lecture address by **Prof. G. Panda**, Deputy Director, IIT Bhubaneswar on “Design, development and applications of intelligent instrumentation systems” organized by *Department of Electrical Engineering and Electronics engineering* on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.
- [116] Attended a Plenary Lecture address by **Prof. P. N. Ghosh**, VC, Jadavpur University on “High Precision Measurement with Diode Laser” organized by *Department of Electrical Engineering and Electronics engineering* on “National Systems Conference (NSC-2011),” IIT Bhubaneswar, 9-11 December 2011.
- [117] Attended a Plenary Lecture address by **Prof. Harsh Vikram Singh, AP**, EC Department, KNIT Sultanpur on “NANOSCINECE” organized by *Department of Electronics & Communication Engineering of KNIT Sultanpur* on “ONE SHORT TERM COURSE,,” KNIT, Sultanpur, 26 May 2012.
- [118] Attended a Plenary Lecture address by **Prof. SANJIV SRIVASTAVA, PROFESSOR**, EC Department, IISc Bangalore, India on “NANO-SCINECE” organized by *Department of Electronics & Communication Engineering of KNIT Sultanpur* on “ONE SHORT TERM COURSE,,” KNIT, Sultanpur, 26 May 2012.

(1 JULY 2012 — 30 JUNE 2013)

- [119] Attended a Plenary Lecture address by **DISTICT MISISTRAT (DM)- Dhan Lakhmi**, SULTANPUR, U.P., INDIA on “TRAFFIC CONTROL RULES AND REGULATIONS” organized by *Department of CIVIL ENGINEERING* on “ONE DAY WORKSHOP” in KNIT Sultanpur , 23 November, 2012.
- [120] Attended a Plenary Lecture address by **IPS- Smt. ALANKITA SINGH**, SULTANPUR, U.P., INDIA on “TRAFFIC CONTROL RULES AND REGULATIONS” organized by *Department of CIVIL ENGINEERING* on “ONE DAY WORKSHOP” in KNIT Sultanpur , 23 November, 2012.
- [121] Attended a Expert Lecture address by **Er. SCHIN SHARMA**, Director manager, HAL, Korva, SULTANPUR, U.P., INDIA on “SIX SIGMA” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 17 March 2013.

(1 JULY 2013 — 30 JUNE 2014)

- [122] Attended a Expert Lecture address by **DR. MOHNTI SIR, PROFESSOR**, IIT BHU, VARANASI on “ADVANCED IN POWER ELECTRONICS” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 24 JUNE, 2014

(1 JULY 2014 — 30 JUNE 2015)

- [123] Attended a Expert Lecture address by **DR. R.C. BANSAL**, ENGLAND on “SMART GRIDS & METERS” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 23 Jan., 2015, *WBTEQIP-II Phase*.
- [124] Attended a Expert Lecture address in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** by **DR. R.C. BANSAL**, ENGLAND on “An overview of Conventional and Artificial intelligence optimization for electric power systems” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase*.
- [125] Attended a Expert Lecture address in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** by **DR. Devendra Singh**, IIT BHU, VARANASI on “Evolutionary Computational in Power Systems” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase*.
- [126] Attended a Expert Lecture address in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** by **DR. S N SINGH**, IIT Kanpur on “Applications of Optimization techniques in Power Systems” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase*.
- [127] Attended a Expert Lecture address in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** by **DR. R K. Mishra**, IIT BHU, Varanasi on “Phase re-phasing in distribution systems” organized by *Department of Electrical Engineering* in KNIT Sultanpur , 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase*.
- [128] Attended a Expert Lecture address in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** by **DR. Divya Gupta**, CS DEPARTMENT, MNNIT, Allahabad on “Multi-

objective optimization and artificial bee colony algorithms in Power systems” organized by *Department of Electrical Engineering in KNIT Sultanpur*, 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase*.

[129] Attended a Expert Lecture address in TWO-DAY workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** by **DR. K. K. Mishra**, CS DEPARTMENT, MNNIT, Allahabad on “**Nature inspired Algorithm and their applications**” organized by *Department of Electrical Engineering in KNIT Sultanpur*, 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase*.

[130] Attended a Expert Lecture address by **DR. N.K. Yadav**, EED, FOREN UNIVERSITY, on “**Renewable energy resources**” organized by *Department of Electrical Engineering in KNIT Sultanpur*, 18 July 2015, sponsored by *WBTEQIP-II Phase*.

(1 JULY 2015 — 30 JUNE 2016)

(1 JULY 2016 — 30 JUNE 2017)

STUDIES/REPORTS:

- [1] Power Loss in Transmission System for 2008-2009. (2000).
- [2] Transmission System for Evacuation of Power from Singrauli and Rihand Super Thermal Power Station of National Thermal Power Corporation (2009).
- [3] 8th Five Year Plan (2010-11) Power System. (2005).
- [4] Short Circuit Studies for year 2007-08 (2006).

Annexure-VI

Workshop /Symposia/ Short term Courses/Seminar/Conferences/FDP Attended:

- [1] Attended the **National Seminar** on “**Computer Vision Syndrome**” organized by *National Society for the Prevention of Blindness-India, Ginni Devi Modi Community Ophthalmology Research Center, Modinagar, Ghaziabad, India, December 10, 2006*.
- [2] National Conference on Technical Challenges in Power Systems *KNIT Sultanpur, March 24-25 2006. (Tutorial Speaker)*.
- [3] Workshop on Laboratory Teaching in Electrical Engineering (LTEE-06), *KNIT Sultanpur, India, November 24-26, 2006 (Valedictory session)*.
- [4] National Conference on Electric Power Technology, Management and IT Application, *MMMEC Gorakhpur, February 17-18, 2006 (Keynote Speaker)*.
- [5] 2nd International Conference on Power Systems (ICPS2007), *CPRI Bangalore, 12-14 December 2007*.
- [6] 15th National Power System Conference, *IIT Bombay (Mumbai), December 16-18, 2008*.
- [7] IEEE Conference & Exhibition on Control, Communication and Automation, *INDICON 2008, IIT Kanpur, 11-13 December, 2008*.

(1 JULY 2009 — 30 JUNE 2010)

- [8] National Seminar on Non-Conventional Energy Resources & Its Application (NCERU09), July 27-28, 2009, *KNIT Sultanpur (Keynote Speaker)*.

(1 JULY 2010 — 30 JUNE 2011)

- [9] Attended the **short term courses** on “**Intelligent System Applications to the Smart Electric Grid Solutions**” organized by Prof. S.N. Singh, *QIP, Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during Nov.15-19, 2010*.
- [10] Attended the **short term workshop** on “**High Impact Teaching Skills**” organized by *WIPRO technologies, Mission 10X, Department of Electrical Engineering, KNIT, Sultanpur, India, during Nov.22-26, 2010*.
- [11] Attended the **short term workshop** on “**Teaching, Research, Administrative and Professional Contribution,**” organized by Prof. L.U.B Pandey (Coordinator) and Prof. Deependra Singh (Convener), *KNIT, Sultanpur, India, 18th May, 2011*.
- [12] Attended the **short term courses** on “**Digital Design Techniques: Application to Control Systems**” organized by *Department of Electrical Engineering, Indian Institute of Technology, Roorkee (IITR), Uttarakhand, India, during 30 May-03 June 2011*.

(1 JULY 2011 — 30 JUNE 2012)

- [13] Attended the workshop on “SERC School on Adaptive Control of Nonlinear Systems using Fuzzy and Neural Networks” organized by Prof. L.D. Behera, QIP, *Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during October 5-9, 2011.*
- [14] Attended the workshop on “Operation and Management of Emerging Power Systems” organized by Prof. S.N.Singh, QIP, *Department of Electrical Engineering, Indian Institute of Technology, Kanpur (IITK), India, during November 21-25, 2011.*

(1 JULY 2012 — 30 JUNE 2013)

- [15] 17th National Power System Conference, *IIT Varanasi, U.P., India, December 12-15, 2012.*
- [16] Attended a workshop on “TRAFFIC CONTROL RULES AND REGULATIONS” organized by *Department of CIVIL ENGINEERING* on “ONE DAY WORKSHOP” in KNIT Sultanpur, 23 November, 2012.
- [17] Attended a workshop on “FACULTY DEVELOPMENT PROGRAMME” Sponsored by Entrepreneurship Development Institute of India, Ahmadabad under the aegis of Department of Science and Technology, Government of India, New Delhi, organized by *Department of MECHANICAL ENGINEERING* on “TWO WEEKS WORKSHOP” in KNIT Sultanpur, 25 February-08 March, 2013.
- [18] Attended a ONE DAY workshop on “EFFICIENCY THROUGH MIND ENGINEERING” Speaker: BK. E.V. SWAMINATHAN, Raj yoga and Memory Management Trainer, Mumbai, India, organized by *Department of CIVIL ENGINEERING* of KNIT Sultanpur in association with Prajapita Brahmakumaris Godly University, Sultanpur Branch, 12 April, 2013.

(1 JULY 2013 — 30 JUNE 2014)

- [19] Attended a one day workshop on “NPTEL” organized by *Department of ELECTRICAL ENGINEERING* on “E-LECTURERS” in KNIT Sultanpur, 2nd August, 2013.
- [20] Attended a KAVI SAMELAN on “BY INTERNATIONAL PERSONS” organized by *Department of ELECTRICAL ENGINEERING* on “ONE DAY SAMELAN” in KNIT Sultanpur, 16 August 2013.
- [21] Attended a workshop on “FACULTY DEVELOPMENT PROGRAMME” Sponsored by Entrepreneurship Development Institute of India, Ahmadabad under the aegis of Department of Science and Technology, Government of India, New Delhi, organized by *Department of Applied Sciences and Humanities* on “TWO WEEKS WORKSHOP” in KNIT Sultanpur, 16-12-2013 to 27-12-2013.
- [131] Attended a ONE WEEK SHORT TERM COURSES on VLSI Design through CT organized by *Department of Electronics and Communication Engineering* in KNIT Sultanpur, 10-03-2014 to 14-03-2014, sponsored by National Institute of Technical Teachers Training and Research Chandigarh (NITTTR), AICTE Recognized and Ministry of Human
- [22] Attended a one day comprehensive workshop on “RECENT SIMULATION TECHNIQUES AND TOOLS” organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, 29 April 2014.

(1 JULY 2014 — 30 JUNE 2015)

- [132] Attended a ONE WEEK SHORT TERM COURSES on Solid State Control of Electric Drives through CT organized by *Department of Electrical Engineering* in KNIT Sultanpur, 21-07-2014 to 25-07-2014, sponsored by National Institute of Technical Teachers Training and Research Chandigarh (NITTTR), AICTE Recognized and Ministry of Human Resources Development (MHRD), Government of India.
- [133] Attended a TWO-DAY workshop on Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS) organized by *Department of Electrical Engineering* in KNIT Sultanpur, 20-21 FEB, 2015, sponsored by *WBTEQIP-II Phase.*
- [23] Attended a workshop on “FACULTY DEVELOPMENT PROGRAMME” Sponsored by Entrepreneurship Development Institute of India, Ahmadabad under the aegis of Department of Science and Technology, Government of India, New Delhi, organized by *Department of ELECTRONICS AND COMMUNICATION ENGINEERING* on “TWO WEEKS WORKSHOP” in KNIT Sultanpur, 16-28 FEB, 2015.
- [134] Attended a ONE WEEK SHORT TERM COURSES on MATHEMATICA10 organized by *Department of Mechanical Engineering* in KNIT Sultanpur, 23-03-2015 to 27-03-2015, sponsored organized by *Department of Mechanical Engineering* in KNIT Sultanpur, 23-27 March, 2015, sponsored by *WBTEQIP-II Phase.*
- [135] Attended a ONE WEEK SHORT TERM COURSES on TEACHING LERNING PROCESS organized by *Department of Applied Science and Humanities* in KNIT Sultanpur, 27-04-2015 to 04-05-2015, sponsored organized by *Department of Applied Science and Humanities* in KNIT Sultanpur, 06-12 APRIL, 2015, sponsored by *WBTEQIP-II Phase.*

- [136] Attended a TWO-DAY workshop on Curriculum Development in Electrical Engineering (CDEE) organized by *Department of Electrical Engineering in KNIT Sultanpur, 25-26 May, 2015, sponsored by WBTEQIP-II Phase.*
- [137] Attended a TWO-DAY Second workshop on Curriculum Development in Electrical Engineering (WCDEE) organized by *Department of Electrical Engineering in KNIT Sultanpur, 26-27 June, 2015, sponsored by WBTEQIP-II Phase.*

(1JULY 2015—30 JUNE 2016)

- [138] Attended a **ONE WEEK SHORT TERM COURSES** on SIMULATION and MATHEMATICAL TOOL for ENGINNERING APPLICATIONS (SMTEA) organized by *Department of Electrical Engineering in KNIT Sultanpur, 27-07-2015 to 31-07-2015, sponsored by WBTEQIP-II Phase.*
- [139] Attended a **ONE WEEK SHORT TERM COURSES** on ADVANCES IN REMOTE SENSING & GIS organized by *Department of Civil Engineering in KNIT Sultanpur, 18-09-2015 to 19-09-2015, sponsored by WBTEQIP-II Phase.*
- [140] Attended a **ONE WEEK SHORT TERM COURSES** on “Embedded System Development” organized by ADVANCED TECHNOLOGY in Collaboration with KNIT Sultanpur, *Department of Electronics Engineering Department, KNIT Sultanpur, 02-11-2015 to 06-11-2015, sponsored by WBTEQIP-II Phase.*
- [141] Attended a **ONE WEEK SHORT TERM COURSES** on “Wireless Techologies & WSN” organized by ADVANCED TECHNOLOGY in Collaboration with KNIT Sultanpur, *Department of Electronics Engineering Department, KNIT Sultanpur, 06-10-2015 to 07-10-2015, sponsored by WBTEQIP-II Phase.*
- [142] Attended a **TWO WEEK SHORT TERM COURSES** on “RESEARCH METHODOLOGY USING DATA ANALYSIS TOOLS” organized by AICTE in Collaboration with KNIT Sultanpur, *Department of Mechanical Engg Department, KNIT Sultanpur, 11-01-2016 to 22-01-2016, sponsored by MHRD GOVT. of India and AICTE.*
- [143] Attended a **ONE WEEK FACULTY DEVELOPMENT PROGRAMME** on “RECENT ADVANCES IN NUMERICAL AND OPTIMIZATION TECHNIQUES” organized by TEQIP-II in Collaboration with KNIT Sultanpur, *Department of Civil Engg Department, KNIT Sultanpur, 01-03-2016 to 05-03-2016, sponsored by TEQIP-II.*
- [144] Attended a **ONE WEEK FACULTY DEVELOPMENT PROGRAMME** on “DISATER MANAGEMENT & MITIGATION MEASURES” organized by TEQIP-II in Collaboration with KNIT Sultanpur, *Department of Civil Engg Department, KNIT Sultanpur, 26-04-2016 to 30-04-2016, sponsored by TEQIP-II.*

(1JULY 2016—30 JUNE 2017)

- [145] Attended a **TWO FACULTY DEVELOPMENT PROGRAMME** on “SIMULATION TOOLS AND ANALYSIS OF ENGINNERING FIELD RESEARCH” organized by AICTE in Collaboration with KNIT Sultanpur, *Department of Electronics Engg Department, KNIT Sultanpur, 04-07-2016 to 15-07-2016, sponsored by MHRD GOVT. of India and AICTE.*
- [146] Attended a **ONE WEEK FACULTY DEVELOPMENT PROGRAMME** on “SMAT METERING” organized by TEQIP-II in Collaboration with KNIT Sultanpur, *Department of Electrical Engg Department, KNIT Sultanpur, 13-09-2016 to 17-09-2016, sponsored by TEQIP-II.*
- [147] Attended a **ONE WEEK FACULTY DEVELOPMENT PROGRAMME** on “RECENT ADVANCES IN RENEWABLE ENERGY TECHNOLOGIES AND SMART MIRC0-GRIDS,” organized by TEQIP-II in Collaboration with KNIT Sultanpur, *Department of Electrical Engg Department, KNIT Sultanpur, 13-09-2016 to 17-09-2016, sponsored by TEQIP-II.*
- [148] Attended a **ONE WEEK FACULTY DEVELOPMENT PROGRAMME** on “ROLE OF MATLAB IN ADVANCE COMPUTING” organized by TEQIP-II in Collaboration with KNIT Sultanpur, *Department of Computer Science Engg Department, KNIT Sultanpur, 25-07-2016 to 29-07-2016, sponsored by TEQIP-II.*

Workshop /Symposia Short term Courses/Seminar/Conferences/FDP Organized:

(1JULY 2009—30 JUNE 2010)

- [32] Organizing Member of **National Seminar** on “Non Conventional Energy Resources & its Utilization (NCERU 2009)” organized by *Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur & IEEE UP Section, during JULY 27-28, 2009.*

(1JULY 2010—30 JUNE 2011)

- [33] Co-Convener Member of **workshop** on “**Application of MATLAB to power system and power electronics**” organized by *Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188,India, India during December 15-16, 2010.*

(1JULY 2011—30 JUNE 2012)

- [34] Co-Convener Member of **National Conference** on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**” organized by *Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188,India, and Mahamaya Institute of Information Technology, Ambedakar nagar, India during November 26-27, 2011.*

(1JULY 2012—30 JUNE 2013)

- [35] *Organizing Member of one day workshop* on “**TRAFFIC CONTROL: RULES AND REGULATIONS**” organized by *Department of CIVIL ENGINEERING* on “**ONE DAY WORKSHOP**” in **KNIT Sultanpur, 23 November, 2012.**
- [36] *Co-Convener Member of two day conference* on “**ADVANCED IN IMAGE PROSESSING,**” *International Conference on Electronics Engineering, Electronics and Communication Engineering Department, Kamla Nehru Institute of Technology, Sultanpur, U.P.-228118, India, 8-9 November 2012.*
- [37] Co-Coordinator Member of one day **workshop** on “**Programming in MATLAB**” organized by *Department of Electrical Engineering and Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur-288188, India, India during February 2, 2013.*
- [38] Co-coordinator Member of **National Conference** on **Recent Trends on Energy Systems “NCRTE-2013**” organized by *Department of Electrical Engineering , Kamla Nehru Institute of Technology, Sultanpur-288188,India, during April 5-6, 2013.*
- [39] Co-Convener Member of “**FACULTY DEVELOPMENT PROGRAMME**” organized by *Department of MECHANICAL ENGINEERING* on “**TWO WEEKS WORKSHOP**” in **KNIT Sultanpur , 25 Febrarury-08 March, 2013.**
- [24] Work as Co-Convenor of workshop on “**FACULTY DEVELOPMENT PROGRAMME**” Sponsored by Entrepreneurship Development Institute of India, Ahmadabad under the aegis of Department of Science and Technology, Government of India, New Delhi, organized by *Department of MECHANICAL ENGINEERING* on “**TWO WEEKS WORKSHOP**” in **KNIT Sultanpur , 25 Febrarury-08 March, 2013.**

(1JULY 2013—30 JUNE 2014)

- [40] *Work as a Co-Coordinator* of one day workshop on “**NPTEL**” organized by *Department of ELECTRICAL ENGINEERING* on “**E-LECTURERS**” in **KNIT Sultanpur, 2nd August, 2013.**
- [25] Work as Co-Convenor of workshop on “**FACULTY DEVELOPMENT PROGRAMME**” Sponsored by Entrepreneurship Development Institute of India, Ahmadabad under the aegis of Department of Science and Technology, Government of India, New Delhi, organized by *Department of Applied Sciences and Humanities* on “**TWO WEEKS WORKSHOP**” in **KNIT Sultanpur , 16-12-2013 to 27-12-2013.**
- [41] *Work as a Co-ordinator* of **First National Power and Energy System Conference** on “**NPESC-I 2014**” organized by *Department of ELECTRICAL ENGINEERING* in **KNIT Sultanpur, April 25-26 2014.**

(1JULY 2014—30 JUNE 2015)

- [42] *Work as a ORGANIZING COMMITTEE* in **TWO-DAY** workshop on **Advances in Optimization Techniques and their Application in Power Systems (WAOTAPS)** organized by *Department of Electrical Engineering* in **KNIT Sultanpur, 20-21 FEB, 2015, sponsored by WBTEQIP-II Phase.**
- [43] *Work as a ORGANIZING COMMITTEE* in workshop on “**FACULTY DEVELOPMENT PROGRAMME**” Sponsored by Entrepreneurship Development Institute of India, Ahmadabad under the aegis of Department of Science and Technology, Government of India, New Delhi, organized by *Department of ELECTRONICS AND COMMUNICATION ENGINEERING* on “**TWO WEEKS WORKSHOP**” in **KNIT Sultanpur, 16-28 FEB, 2015.**
- [44] *Work as a Co-ordinator* of **First National Power and Energy System Conference** on “**NPESC-II 2015**” organized by
- [149] *Work as a ORGANIZING COMMITTEE* in **ONE WEEK SHORT TERM COURSES** on **MATHEMATICA10** organized by *Department of Mechanical Engineering* in **KNIT Sultanpur, 23-03-2015 to 27-03-2015, sponsored** organized by *Department of Mechanical Engineering* in **KNIT Sultanpur, 23-27 March, 2015, sponsored by WBTEQIP-II Phase.**

- [150] Work as a **ORGANIZING COMMITTEE** in **ONE WEEK SHORT TERM COURSES** on TEACHING LERNING PROCESS organized by Department of Applied Science and Humanities in **KNIT Sultanpur, 06-04-2015 to 12-04-2015**, sponsored organized by Department of Applied Science and Humanities in **KNIT Sultanpur, 06-12 APRIL, 2015**, sponsored by **WBTEQIP-II Phase**.

(1JULY 2015—30 JUNE 2016)

- [151] Work as a **ORGANIZING COMMITTEE** member in **ICETEESES-16** on INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRICAL, ELECTRONICS & SUSTAINABLE ENERGY SYSTEMS (ICETEESES-16) organized by Department of Electrical Engineering and Department of Electronics Engineering in **KNIT Sultanpur, 11-03-2015 to 12-03-2015**, sponsored by **WBTEQIP-II Phase**.

(1JULY 2016—30 JUNE 2017)

Awards/ Recognition/Appreciation/Prizes:

- [1] Received Appreciation letter from the Chairman, *Dr. KNMIET, Modinagar, U.P., India, 2006 for Good Managing of Department as a HEAD.*
- [2] Received Appreciation letter from the Director, *Krishna Engineering College, Mohan Nagar Ghaziabad, U.P., India, 2008 for Good Managing of Training and Placement Department as Placement Coordinator.*
- [3] Appreciation letter from Dean, *KEC, Ghaziabad, U.P., India for Good Results of First Year Electrical Engineering, 2008.*
- [4] Khosla Research Award (Gold) of *Roorkee University, Roorkee, India, 2001.*
- [5] I am receipt of best paper award of the *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur -273010, India, 25-26 March 2011.*

FOREIGN VISITS:

- [1] Visited Asian Institute of Technology (AIT), **Bangkok, Thailand**, for attended the IEEE International Conference on Electrical Power and Energy Management, during April 11-25, 2006.
- [2] Visited **KATHAMANDU, Nepal** for attended the International conference on Recent Technology in Electrical Engineering, during March 25-28, 2008.

CONTACT WITH FOREIGN PERSONS FOR RESEARCH WORKS:

- [1] **Dr. S. N. Singh** (*I. I. T. Kanpur*), Visiting Professor, Denmark Technical University, Denmark. (Email: snsingh@iitk.ac.in, snsingh93@gmail.com).
- [2] **Dr. Santosh Kumar Singh**, Associate Professor (IT-BHU, Varanasi), Research Scholar, UK. (Email: santosh_kumar@gamil.com).
- [3] **Prof. Shashank Priya**, Associate Professor, Department of Material Science & Engineering, Virginia Tech, U.S.A. (Email: shashank_priya@yahoo.com).
- [4] **Prof. (Dr.) S.A. Oke**, PhD, Department of Mechanical Engineering, University of Lagos, Nigeria (Email: sa_oke@yahoo.com).

Annexure-VII

Administrative Post Held/ Member Academic Bodies:

Institute Level:

- [1] Worked as a **Dy. O.C. Time Table** in the *Electrical Engineering Department, MMMEC, Gorakhpur, U.P., India, 2001-2002.*
- [2] Worked as a **Dy. O.C. Time Table/Project Incharge/Seminar Incharge/Practical Industrial Training Presentation Incharge** in the *Electrical Engineering Department, RKGIT, Ghaziabad, U.P., India, 2003-2004*
- [3] Worked as Officer-in-charge **EMMI LAB** in *RKGIT, Ghaziabad, U.P., India, 2003-2004.*
- [4] Worked as a **Head of Department (HOD)**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2006.*
- [5] Worked as a **WARDEN** of Sarojani Girls Hostel, *Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June*

2006.

- [6] Working as a member of **PROCTERIAL BOARD** of Dean DSW Committee, *Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2006.*
- [7] Worked as **TRAINING AND PLACEMENT OFFICER**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2005.*
- [8] Worked as Officer-in-charge **POWER ELECTRONICS LAB**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2005.*
- [9] Worked as **DEAN (DSW)**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2004 to June 2005.*
- [10] Worked as **DEAN (ACADEMIC)**, *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, August 2005 to June 2006.*
- [11] Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, 2005-2006.*
- [12] Worked as a **Project /Seminar/ Practical Industrial Training Presentation/O.C. Time Table** in the *Electrical Engineering Department, Dr. KNMIET, Modinagar, Ghaziabad, U.P., India, 2004-2006.*
- [13] Worked as a **Project /Seminar/Practical Industrial Training Presentation/O.C. Time Table** in the *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2006-2009.*
- [14] Worked as Officer-in-charge **POWER SYSTEMS LAB** in *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2006-2007.*
- [15] Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2006-2007.*
- [16] Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2007-2008.*
- [17] Worked as Officer-in-charge **ELECTRICAL MACHINES LAB** in *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, 2007-2008.*

(1JULY 2009——30 JUNE 2010)

- [18] Worked as Officer-in-charge **POWER SYSTEM LAB** in *KNIT, Sultanpur, U.P., India, session: JULY-JUNE 2009-2010.*
- [19] Worked as Officer-in-charge **NETWORK LAB** in *KNIT, Sultanpur, U.P., India, session: JULY-JUNE 2009-2010.*
- [20] Worked as a **Dy. CONTROLLER OF EXAMINATION**, *Examination Cell, Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, SEPT. 2009, 2008-2009.*
- [21] Worked as Officer-in-charge **SIMULATION LAB** in *Electrical & Electronics Engineering Department, KEC, Ghaziabad, U.P., India, SEPT. 2009, 2008-2009.*
- [22] Worked as a **Deputy Project Coordinator/Practical Industrial Training Presentation Incharge/Deputy O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: MARCH, 2010, 2009-2010.*
- [23] Member of Departmental Representative for project preparation of **WBTEQIP-II**, *KNIT Sultanpur-228118(U.P.), India, MARCH, 2010.*

(1JULY 2010——30 JUNE 2011)

- [24] Working as a **hostel warden** for **Maiteyee Girls Hostel**, *KNIT Sultanpur-228118(U.P.), JUNE, 2010, India. From 10-06-2010 to 15/06/2011.*
- [25] Working as a member of **PROCTERIAL BOARD** of Dean DSW Committee, *KNIT Sultanpur-228118(U.P.), India. From JUNE 2010, 10-06-2010 to 15/06/2011.*
- [26] Worked as a **Deputy Project Coordinator/Practical Industrial Training Presentation Incharge/Deputy O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: JUNE, 2010, 2010-2011.*
- [27] Worked as Officer-in-charge **POWER SYSTEM LAB** in *KNIT, Sultanpur, U.P., India, session: JULY-JUNE 2010-2011.*
- [28] Worked as Officer-in-charge **ELECTRICAL SIMULATION LAB** in *KNIT, Sultanpur, U.P., India, session: JULY-JUNE 2010-2011.*

(1JULY 2011——30 JUNE 2012)

- [29] Working as a **hostel warden** for **Gargi Girls Hostel**, *KNIT Sultanpur-228118(U.P.), India. JUNE 2011 From 16-06-2011 to 15/06/2012.*
- [30] Working as a member of **PROCTERIAL BOARD** of Dean DSW Committee, *KNIT Sultanpur-228118(U.P.), India. From 16-06-2010 to 15/06/2012.*

- [31] Worked as Officer-in-charge **ELECTRICAL MACHINE LAB** in *KNIT, Sultanpur, U.P., India, session: JULY-JUNE 2011-2012.*
- [32] Worked as **Deputy-Coordinator** for Security of Students “**ENFLUENCES-2011**” at *KNIT, Sultanpur, U.P., India, 13-16th October 2011.*
- [33] Worked as a member of **FOOTBALL COMMITTEE** “**TVARAN’2011**” a **National Level Sports Meet** at *KNIT, Sultanpur, U.P., India, 04-06th November 2011.*
- [34] Worked as a member of **DISCIPLINE COMMITTEE** “**TVARAN ’2011**” a **National Level Sports Meet** at *KNIT, Sultanpur, U.P., India, 04-06th November 2011.*
- [35] Worked as a member of **VISIT COMMITTEE** of “**AICTE 2011 and UGC2011 Team**” for Autonomous of the *KNIT Sultanpur, U.P.-228118, India, 08th November 2011*

(1JULY 2012—30 JUNE 2013)

- [36] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 15 June- 20 July 2012.*
- [37] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 7 January-18th January 2013.*
- [38] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 3rd May, 2013.*
- [39] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 9th MAY, 2013.*
- [40] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 3-4 June, 2013.*
- [41] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 6 June, 2013.*
- [42] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 8-12 June, 2013.*

(1JULY 2013—30 JUNE 2014)

- [43] Working as a **hostel warden** for **Gargi Girls Hostel**, *KNIT Sultanpur-228118(U.P.), India. JUNE 2013 from 16-06-2013 to 15/06/2014.*
- [44] Worked as a **Deputy Project Coordinator/Practical Industrial Training Presentation Incharge/ O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: JULY 2013-JUNE 2014, 2013-2014.*
- [45] Working as a **hostel warden** for **New Maiteyee Girls/ Gargi Girls Hostel (M.Tech. Level)**, *KNIT Sultanpur-228118(U.P.), India. From 01-06-2013 to 31-05-2014.*
- [46] Worked as a **O/C Time Table/Project Incharge/Practical Industrial Training Presentation Incharge** in the *Electrical Engineering Department, KNIT Sultanpur, U.P., India, July 2013-June 2014.*
- [47] Worked as a Co-Coordinator of **INTERDICPLINRY PROJECT**, *KNIT Sultanpur, U.P., India, July 2013-June 2014.*
- [48] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 9 July, 2013.*
- [49] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 16 July, 2013.*
- [50] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 8 August, 2013.*
- [51] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 16 August, 2013.*
- [52] Worked as a **Head of Department (ACTING)** of Electrical Engineering Department, *KNIT Sultanpur, U.P.-228118, India, 30-31 August, 2013.*
- [53] Worked as a **Project In-charge/Practical Industrial Training Presentation In-charge/ O.C. Time Table/ Seminar In-charge** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: JULY-JUNE 2013-2014.*

(1JULY 2014—30 JUNE 2015)

- [54] Working as a **hostel warden** for **Gargi Girls Hostel**, *KNIT Sultanpur-228118(U.P.), India. JUNE 2014 from 16-06-2014 to 16/06/2015.*
- [55] Worked as a **Practical Industrial Training Presentation Incharge/ O.C. Time Table** in the *Electrical Engineering*

(1JULY 2015—30 JUNE 2016)

- [56] Working as a **hostel warden** for **Gargi Girls Hostel**, KNIT Sultanpur-228118(U.P.), India. JUNE 2014 from 16-06-2014 to 16/06/2015.
- [57] Worked as a **Practical Industrial Training Presentation In-charge/ O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: JULY-JUNE 2013-2014.*

(1JULY 2016—30 JUNE 2017)

- [58] Working as a **hostel warden** for **Gargi Girls Hostel**, KNIT Sultanpur-228118(U.P.), India. JULY 2016 from 16-06-2016 to 16/06/2017.
- [59] Worked as a **Practical Industrial Training Presentation In-charge/ O.C. Time Table** in the *Electrical Engineering Department, KNIT, Sultanpur-228118, U.P., India, Session: JULY-JUNE 2016-2017.*
- [60] Working as a Lab Incharge of MACHINE LAB, EED, KNIT Sultanpur-228118(U.P.), India. JULY 2016 from 16-06-2016 to 16/06/2017.

University Level:

- [1] Worked as a **Nodal officer In charge** for Management Kota Admission at *SRMS, Modinagar, Ghaziabad, U.P., India, UPTU, June 2004.*
- [2] Worked as a **Deputy Head Examiner (DEPUTY HEAD EXAMINAR)** for Network Analysis& Synthesis and Basic Systems Analysis for evaluation work (*UPTU, Lucknow*) at *IPEC, Ghaziabad, U.P., India, UPTU, June 2006.*
- [3] Worked as Flying Squad Member in *U.P. Technical University, Lucknow, U.P., India, Even Semester Examination, 2006-07.*
- [4] Worked as a **Deputy Head Examiner (DEPUTY HEAD EXAMINAR)** for Network Analysis& Synthesis for evaluation work (*UPTU, Lucknow*) at *IPEC, Ghaziabad, U.P., India, January 2007.*
- [5] Worked as Flying Squad Member in *U.P. Technical University, Lucknow, U.P., India, Even Semester Examination, 2007-08.*
- [6] Worked as Flying Squad Group Leader in *U.P. Technical University, Lucknow, U.P., India, Special Carryover Semester Examination, 2007-08.*
- [7] Worked as a **Deputy Head Examiner (DEPUTY HEAD EXAMINAR)** for Network Analysis& Synthesis and Basic Systems Analysis for evaluation work (*UPTU, Lucknow*) at *ABES Engineering College, Ghaziabad, U.P., India, July 2008.*
- [8] Worked as a **Centre Controller** for UPTU SEE'08 at *I.E.T., Lucknow, U.P., India, 18-19 Aril 2008.*
- [9] Worked as Flying Squad Group Leader in *U.P. Technical University, Lucknow, U.P., India, Odd Semester Examination, 2008-09.*
- [10] Worked as a **Centre Controller** for UPTU SEE'08 at *MMMEC, Gorakhpur, U.P., India, 18-19 Aril 2009.*
- [11] Worked as a **Paper setter / practical / Project examiner** in *Uttar Pradesh Technical University, Avadh University, and Gorakhpur University, March, 2009, 2008-2009.*

(1JULY 2009—30 JUNE 2010)

- [12] Worked as **Dy. Coordinator** Re-evaluation for **Banaras Hindu University**, IT BHU, U.P., Varanasi, India, at KNIT Centre in Semester Examination July, 2009, 2008-09.
- [13] Worked as a **Head Examiner (HEAD EXAMINAR)** for Network Analysis& Synthesis and Basic Systems Analysis for evaluation work (*UPTU, Lucknow*) at *KEC, Ghaziabad, U.P., India, January 2010.*
- [14] Worked as **Dy. Coordinator** Re-evaluation for **Banaras Hindu University**, IT BHU, U.P., Varanasi, India, at KNIT Centre in Semester Examination June 2010, 2009-10.
- [15] Worked as a **Centre Controller** for UPTU SEE'2010 at *MMMEC, Gorakhpur, U.P., India, 17-18 Aril 2010.*
- [16] Worked as a **Paper setter / practical / Project examiner** in *Uttar Pradesh Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, Jaunpur, March, 2010.*
- [17] Worked as a **Paper setter** for M.Tech.(Regular) + M.Tech(Part Time) in *G.B. Technical University, Lucknow, June, 2010.*

(1JULY 2010—30 JUNE 2011)

- [18] Worked as a **Head Examiner (HEAD EXAMINAR)** for the Subjects of EHVAC&DC Transmission, PSOC, High Voltage Engineering, Advanced Control Systems, Digital Control Systems, Switchgear and Protective Relaying, for M.Tech. regular (*G.B. Technical University*) for evaluation work at *KNIT, Sultanpur, U.P., India, August 2010.*

- [19] Worked as a **Paper setter** for M.Tech.(Regular) + M.Tech(Part Time) in *G.B. Technical University, Lucknow, September, 2010.*
- [20] Worked as a **Paper setter** for M.Tech.(Regular) + M.Tech(Part Time) +B. Tech in *G.B. Technical University, Lucknow, November, 2010.*
- [21] Worked as a **Paper setter / practical / Project examiner** in *HBTI, Kanpur, Deemed University, December, 2010.*
- [22] Worked as a **Paper setter / practical / Project examiner** in *Uttar Pradesh Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, Jaunpur, December, 2010.*
- [23] Worked as a **Paper setter / practical / Project examiner** in *Uttar Pradesh Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, December 2010-January, 2011.*
- [24] Worked as a **Examiner** for EEE-501 (EMEC-II) and EIPC-502 (IPC) for evaluation work (*GBTU Lucknow*) at *KNIT, Sultanpur, U.P., India, January 2011.*
- [25] Worked as a **Head Examiner (HEAD EXAMINAR)** for EEE-503 (Elements of Power Systems) and TEE-701 (Switchgear &Protection) for evaluation work (*GBTU Lucknow*) at *KNIT, Sultanpur, U.P., India, January 2011.*
- [26] Worked as a **NODAL OFFICER** for *Mahamaya Technical University (MTU), UPSEE '2011* at *BIT Muzaffarnagar, U.P., India, 14-17 April 2011.*
- [27] Worked as a **Head Examiner (HEAD EXAMINAR)** for carry over papers of EMEC-I, EMEC-II, Element of Power Systems, Switchgear &Protection, IPC, Electrical Machine Design, Control Systems-I, for evaluation work (*Vir Bahadur Singh Purvanchal University, Jaunpur*) at *KNIT, Sultanpur, U.P., India, April 2011.*
- [28] Worked as a **Paper setter** in *Gautama Buddha Technical University, Lucknow, Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, April- May, 2011.*
- [29] Worked as a **practical examiner** for **NETWORK LAB and EMEC-I LAB** in EED of *Vir Bahadur Singh Purvanchal University, 2nd May, 2011.*
- [30] Worked as a **practical examiner for Electrical Engineering Lab** in EED of *Vir Bahadur Singh Purvanchal University, 4th May, 2011.*
- [31] Worked as a **practical examiner** for **Control System Lab** in EED of *MJP Rohilkhand University, Bareilly, 19-20 May, 2011.*
- [32] Worked as a **Practical Examiner** for EEE-451 (EMEC-I Lab) and EEE-251 (EE Lab) for practical examinations (*GBTU Lucknow*) at *IIMT Meerut, and VBCET, Kanpur, U.P., India, June 2011.*

(1JULY 2011—30 JUNE 2012)

- [33] Worked as a **Head Examiner (HEAD EXAMINAR)** for EEE-401 (EMEC-I), and EEEE-402 (Network Analysis& Synthesis) for evaluation work (*GBTU, Lucknow*) at *KEC, Mohan Nagar, Ghaziabad, U.P., India, June-July 2011.*
- [34] Worked as a **OBSERVER** of *MTU counseling of B.Tech., MBA, MCA* at *KNIT Sultanpur, U.P., India, 21-27 July 2011.*
- [35] Worked as a **COUNCELOR OFFICER** of *MTU counseling of B.Tech., MBA, MCA* at *KNIT Sultanpur, U.P., India, 28 July-16 August 2011.*
- [36] Worked as a **Deputy Coordinator** for Paper setting of M.Tech. Part Time (Power Systems Engg.), *KNIT, Sultanpur, India of Gautama Buddha Technical University, Lucknow, September 2011.*
- [37] Worked as a **Deputy Coordinator** for Paper setting of B.Tech. I, III, V, VII Semesters of Electrical Engineering Subjects (EEE-101, EEE-301, EEE-302, EEE-501, EEE-502, EEE-507, EEE-031, EEE-701, and EEE-703) in *Gautama Buddha Technical University, Lucknow, October 2011.*
- [38] Worked as a **Deputy Coordinator** for Paper setting of B.Tech. I, III, V, VII Semesters of Electrical Engineering Subjects (TEE-101, TEE-301, TEE-302, TEE-303, TEE-501, TEE-502, TEE-503, TEE-701, TEE-702, and TEE-703) in *Gautama Buddha Technical University, Lucknow, October 2011.*
- [39] Worked as a **Deputy Coordinator** for Re-evaluation of B. Tech. I, III, V, VII Semesters of Electrical Engineering, Mechanical Engineering, Electronics and Communication Engg. Applied Science & Humanities Department subjects in *IT BHU Varanasi, India, November 2011.*
- [40] Worked as a **Co-Coordinator** of Paper setter of Subjects of Electrical Engineering Department and Electrical & Electronics Engineering in *Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, January-March, 2012.*
- [41] Worked as a **Deputy Coordinator** for Paper setting of B.Tech. II, IV, VI, VIII Semesters of Electrical Engineering and Electronics & Communication Engineering Subjects (EEE-101, EEE-301, EEE-302, EEE-303, EEE-501, EEE-502, EEE-503, EEE-701, EEE-702, and EEE-703) in *Gautama Buddha Technical University, Lucknow, March 2012.*
- [42] Worked as a **Coordinator** of Paper setter of Subjects of Electrical Engineering Department and Electrical & Electronics Engineering, Computer Science Engineering and Information Technology in *Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, GBTU, Lucknow, MTU Noida, May-June, 2012.*

(1JULY 2012—30 JUNE 2013)

- [43] Worked as a **Deputy Coordinator** for Re-evaluation of B. Tech. & M.Tech. I, III, V, VII Semesters of Electrical Engineering, Mechanical Engineering, Electronics and Communication Engg. Applied Science & Humanities Department subjects in IT BHU Varanasi, India, August 2012.
- [44] Worked as a **Deputy Coordinator** for Paper setting of B.Tech. I, III, V, VII, Semesters of Electrical Engineering and Electronics & Communication Engineering Subjects (EEE-101, EEE-301, EEE-302, EEE-303, EEE-501, EEE-502, EEE-503, EEE-701, EEE-702, and EEE-703) in *Gautama Buddha Technical University, Lucknow, and MTU Noida, SEPTEMBER-OCTOBER 2012.*
- [45] Worked as a **practical examiner** for **Control System Lab** in EED of MKREC, AMBEDHAKAR NAGAR, U.P., INDIA, GBTU, Lucknow, 4th January -2013.
- [46] Worked as a **practical examiner** for **Control System Lab** in EED of MMMEC, GORAKHPUR, AMBEDHAKAR NAGAR, U.P., INDIA, GBTU, Lucknow, 4th January -2013.
- [47] Worked as a **practical examiner** for **EMEC_II Lab** in EED of HBTI, KANPUR, U.P., INDIA, GBTU, Lucknow, 4th January -2013.
- [48] Worked as a **practical examiner** for **EMEC-II Lab, NT Lab** in EED of MKREC, AMBEDHAKAR NAGAR, U.P., INDIA, GBTU, Lucknow, 4th January -2013.
- [49] Worked as a **practical examiner** for **EMMI, NT, EE, EIPC Lab** in EED of Vir Bahadur Singh University, Jaunpur, U.P., INDIA, GBTU, Lucknow, 8, 9, 11th January -2013.
- [50] Worked as a **Coordinator** of Paper setting of Subjects of Electrical Engineering and Electrical & Electronics Engineering, *GBTU, Lucknow, and MTU Noida, March, 2013.*
- [51] Worked as a **NODAL OFFICER** for GBTU, *UPSEE'2013 at BIT MEERUT, U.P., India, 19-21 April 2013.*
- [52] Worked as a **Coordinator** for Paper setting of B.Tech. Electrical Engineering Subjects in **INTEGRAL UNIVERSITY, Lucknow, JUNE 2013.**

(1JULY 2013—30 JUNE 2014)

- [53] Worked as a **NODAL OFFICER** for UPTU, *UPSEE'2014 at MMMUT, GORAKHPUR U.P., India, 18-20 Aril 2014.*
- [54] Worked as a **Coordinator** for Paper setting of B.Tech. Electrical Engineering Subjects in **INTEGRAL UNIVERSITY, Lucknow, JANUARY 2014.**
- [55] Worked as a **Coordinator** for Paper setting of B.Tech. Electrical Engineering Subjects in **INTEGRAL UNIVERSITY, Lucknow, JUNE 2014.**
- [56] Worked as a **Coordinator** of Paper setter of Subjects of Electrical Engineering Department and Electrical & Electronics Engineering, Computer Science Engineering and Information Technology in *Ram Manohar Lohia Avadh University, Faizabad and Vir Bahadur Singh Purvanchal University, UPTU, Lucknow, MTU Noida, AUGUST, 2013.*
- [57] Worked as a **FLYING SQUAD** for UPTU, *ODD SEM EXAM'2015 at KNIT, Sultanpur U.P., India, 16.12.2013-05.01.2014.*
- [58] Worked as a **FLYING SQUAD** for UPTU, *EVEN SEM EXAM'2015 at KNIT, Sultanpur U.P., India, 10.05.2014-02.06.2014.*

(1JULY 2014—30 JUNE 2015)

- [59] Worked as a **Coordinator** for Paper setting of B.Tech. I, III, V, VII, Semesters of Electrical Engineering and Electronics & Communication Engineering Subjects (EEE-101, EEE-301, EEE-302, EEE-303, EEE-501, EEE-502, EEE-503, EEE-701, EEE-702, and EEE-703) in U.P. *Technical University, Lucknow, and MTU Noida, SEPTEMBER-OCTOBER 2014.*
- [60] Worked as a **practical examiner** for **EMEC-II Lab, NT Lab** in EED of MKREC, AMBEDHAKAR NAGAR, U.P., INDIA, GBTU, Lucknow, 19th January -2015.
- [61] Worked as a **NODAL OFFICER** for UPTU, *UPSEE'2014 at MMMUT, GORAKHPUR U.P., India, 18-20 Aril 2014.*
- [62] Worked as a **NODAL OFFICER** for UPTU, *UPSEE'2015 at ITM, Gida, GORAKHPUR U.P., India, 18-19 Aril 2015.*
- [63] Worked as a **FLYING SQUAD** for UPTU, *ODD SEM EXAM'2015 at KNIT, Sultanpur U.P., India, 12.12.2014-03.01.2014.*
- [64] Worked as a **FLYING SQUAD** for UPTU, *EVEN SEM EXAM'2015 at KNIT, Sultanpur U.P., India, 12.05.2015-03.06.2015.*

(1JULY 2015—30 JUNE 2016)

- [65] Worked as a **NODAL OFFICER** for AKTU, *UPSEE-2016 at ITM GIDA, GORAKHPUR, U.P., India, 15.04.2016-17.04.2016.*
- [66] Worked as a **PAPER SETTING OF ELECTRICAL SUBJECTS** for AKTU, *SEMESTER EXAM-2016 at KNIT, U.P., India, April 15, 2016.*

(1JULY 2016—30 JUNE 2017)

- [67] Worked as a **PAPER SETTING OF ELECTRICAL SUBJECTS** for AKTU, *SEMESTER EXAM-2017 at KNIT, U.P., India,*

OCTOBER 30, 2016.

- [68] Worked as a PAPER SETTING OF ELECTRICAL SUBJECTS for Intergral University, SEMESTER EXAM-2017 at KNIT, U.P., India, OCTOBER 15, 2016.
- [69] Worked as a PAPER SETTING OF ELECTRICAL SUBJECTS for AKTU, SEMESTER EXAM-2016 at KNIT, U.P., India, April 18, 2017.

(1 JULY 2017 — 30 JUNE 2018)

- [70] Worked as a PAPER SETTING OF ELECTRICAL SUBJECTS for AKTU, SEMESTER EXAM-2017 at KNIT, U.P., India, JULY 25, 2017.
- [71] Worked as a PAPER MODERATION OF ELECTRICAL SUBJECTS for AKTU, SEMESTER EXAM-2017 at KNIT, U.P., India, JULY 25, 2017.
- [72] Worked as a PAPER SETTING OF ELECTRICAL SUBJECTS for AKTU, SEMESTER EXAM-2017 at KNIT, U.P., India, OCTOBER 25, 2017.
- [73] Worked as a PAPER SETTING OF ELECTRICAL SUBJECTS for Intergral University, SEMESTER EXAM-2017 at KNIT, U.P., India, OCTOBER 28, 2017.

UGC/AICTE/ UPSC/Others Level:

- [1] Worked as a PAPER SETTER of UP PCS for ELECTRICAL ENGINEERING SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 20 JAN -2013.
- [2] Worked as a EVALUTOR for checking conventional papers of UP PCS for ELECTRICAL ENGINEERING SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 20 JULY -2013.
- [3] Worked as a PAPER SETTER of UP PCS for ELECTRICAL ENGINEERING SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 20 JAN -2014.
- [4] Worked as a EVALUTOR for checking conventional papers of UP PCS for ELECTRICAL ENGINEERING SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 20 JULY -2014.
- [5] Worked as a PAPER SETTER of UP PCS for ELECTRICAL ENGINEERING SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 20 JAN -2015.
- [6] Worked as a EVALUTOR for checking conventional papers of UP PCS for ELECTRICAL ENGINEERING SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 20 JUNE -2014.
- [7] Worked as a PAPER SETTER for conventional papers of UP-PCS for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, 10 JUNE -2015.
- [8] Worked as a PAPER SETTER for conventional papers of UP-PCS for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, JAUNAURY -2016.
- [9] Worked as a PAPER SETTER for conventional papers of UP-PCS for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, FEBRUARY-2016
- [10] Worked as a PAPER SETTER for conventional papers of UP-PCS (MAIN) for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, MARCH -2016
- [11] Worked as a PAPER SETTER for conventional papers of UP-PCS (MAIN) for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, MAY -2016.
- [12] Worked as a PAPER SETTER for conventional papers of UP-PCS (MAIN) for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, MARCH -2017
- [13] Worked as a PAPER SETTER for conventional papers of UP-PCS (MAIN) for ELECTRICAL ENGINEERING (PAPER-II) SUBJECTS, Uttara Pradesh Service Commission (UPSC), ALLAHABAD, U.P., INDIA, MAY -2017.
- [14] Worked as a PRACTICAL EXAMINER of Electrical Machines II, Electrical Engg., Final Year Project Electrical Measurement Lab, MAHA MANAV POLYTECHNIQUE, Khajni, Gorakhpur, U.P., INDIA, 02 June 2017.
- [15] Worked as a PRACTICAL EXAMINER of Electrical Machines II, Final Year Project, Electrical Engg., Electrical Measurement Lab, LITTLE FLOWER POLYTECHNIQUE, SUBA BAJAR, Gorakhpur, U.P., INDIA, 01 June 2017.
- [16] Worked as a PRACTICAL EXAMINER of Electrical Machines II Lab, Electrical Engg., Electrical Measurement Lab, HEWETT POLYTECHNIQUE, LUCKNOW, U.P., INDIA, 22-23 DEC. 2017.
- [17] Worked as a PRACTICAL EXAMINER of Electrical Machines II, Electrical Engg., Electrical Measurement Lab, MAHA MANAV POLYTECHNIQUE, Khajni, Gorakhpur, U.P., INDIA, 02 January 2018.
- [18] Worked as a PRACTICAL EXAMINER of Electrical Machines II, Electrical Engg., Electrical Measurement Lab, SURYA POLYTECHNIQUE, HAKABAD, Gorakhpur, U.P., INDIA, 28 DEC. 2017.
- [19] Worked as a PRACTICAL EXAMINER of Electrical Machines II, Electrical Engg., Electrical Measurement Lab, LITTLE

Annexure-VIII

Session Chair in Seminar/Conference/Others Activities:

Session Chair in National/International Seminar/Conference/ Session Chair in others Activities:

- [1] Worked as a chair person of technical session-III papers presentation in **National Seminar** on “**Computer Vision Syndrome**” organized by *National Society for the Prevention of Blindness-India, Ginni Devi Modi Community Ophthalmology Research Center, Dr. KNMIET, Modinagar, Ghaziabad, India, December 10, 2005.*

(1JULY 2009 — 30 JUNE 2010)

(1JULY 2010 — 30 JUNE 2011)

- [1] Worked as a **CHAIR PERSON** of technical session-II papers presentation in *International Conference in Electrical & Electronics Engineering (ICAEEE-2011) at Moradabad Institute of Technology (MIT), Muradabad, U.P., India, 25-26 February, 2011.*
- [2] Worked as a **CHAIR PERSON** of technical session-IV papers presentation in *National Conference, Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), Department of Electrical Engineering, Madan Mohan Malviya Engineering College (MMMEC), Gorakhpur -273010, India, 25-26 March 2011.*
- [3] Worked as a **CHAIR PERSON** of technical session-V papers presentation in *National Conference on Recent Development in Electrical Engineering, In Technical Association with Institution of Engineers (India) North Bengal Local Centre and Department of Electrical Engineering Jalpaiguri Govt. Engineering College, Jalpaiguri, 25-26 March, 2011, West Bengal, India-735102.*
- [4] Worked as a **CHAIR PERSON** of technical session-II papers presentation in *National Conference on Recent Development in Electrical Engineering, In Technical Association with Institution of Engineers (India) North Bengal Local Centre and Department of Electrical Engineering Jalpaiguri Govt. Engineering College, Jalpaiguri, 25-26 March, 2011, West Bengal, India-735102.*

(1JULY 2011 — 30 JUNE 2012)

- [5] Worked as a **CHAIR PERSON** of technical session-VI papers presentation in *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*
- [6] Worked as a **CHAIR PERSON** of technical session-VIII papers presentation in *IET Chennai 2nd International Conference on sustainable Energy and Intelligent System Conference (SEISCON2011), Department of Electrical & Electronics Engineering, Dr M.G R. University, Meduravoyal, Chennai-600095, India, 20-22 July 2011.*

(1JULY 2012 — 30 JUNE 2013)

- [7] Worked as a chair person of technical session-I, IV papers presentation in “**International conference on electrical and electronics engineering**” organized by EC Department, KNIT, Sultanpur, India, 7-8 November 2012.
- [8] **Work as Session Chair Person of technical session-01** “Renewable Source of Energy,” *National Conference on Recent Trends on Energy Systems (NCRTES-2013), organized by EED of KNIT Sultanpur-(U.P.), India, 5th - 6th April 2013.*
- [9] **Work as Session Chair Person of technical session-02** “POWER SYSTEMS,” *National Conference on Recent Trends on Energy Systems (NCRTES-2013), organized by EED of KNIT Sultanpur-(U.P.), India, 5th - 6th April 2013.*
- [10] **Work as Session Chair Person of technical session-06** “SUSTAINABLE DEVELOPMENT,” *National Conference on Recent Trends on Energy Systems (NCRTES-2013), organized by EED of KNIT Sultanpur-(U.P.), India, 5th - 6th April 2013.*
- [8] **Work as Session Chair Person of technical session-09** “POWER SYSTEM OPERATION, CONTROL, PLANNING, ECONOMICS AND MANAGEMENT,” *National Conference on Recent Trends on Energy Systems (NCRTES-2013), organized by EED of KNIT Sultanpur-(U.P.), India, 5th - 6th April 2013.*

(1JULY 2013 — 30 JUNE 2014)

- [45] Work as Session Chair Person of technical session-01 “Renewable Source of Energy,” First National Power and Energy System Conference on “NPESC-I 2014” organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 25-26 2014.
- [46] Work as Session Chair Person of technical session-02 “POWER SYSTEMS,” First National Power and Energy System Conference on “NPESC-I 2014” organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 25-26 2014.
- [47] Work as Session Chair Person of technical session-06 “SUSTAINABLE DEVELOPMENT,” First National Power and Energy System Conference on “NPESC-I 2014” organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 25-26 2014.
- [48] Work as Session Chair Person of technical session-09 “POWER SYSTEM OPERATION, CONTROL, PLANNING, ECONOMICS AND MANAGEMENT,” First National Power and Energy System Conference on “NPESC-I 2014” organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 25-26 2014.

(1JULY 2014—30 JUNE 2015)

- [49] Work as Session Chair Person of technical session-01 “Renewable Source of Energy,” Second National Power and Energy System Conference on “NPESC-II 2015” organized by *Department of ELECTRICAL ENGINEERING* in KNIT Sultanpur, April 10-11 2015.

(1JULY 2015—30 JUNE 2016)

(1JULY 2016—30 JUNE 2017)

Annexure-VIV

RESEARCH PROJECTS HANDLED:

S. No.	Name of Project	Status	Sponsoring Agency	Amount	Other investigators
1	Optimal location of FACTS controllers in Emerging Power Systems, MMMEC, GKP	finished	AICTE	Rs.5 Lacks	Prof. N.K. Sharma
2	Optimal location of Distributed Generations in Large-Scale Power Systems, MMMEC, GKP	finished	MHRD	Rs.8 Lacks	Prof. A.N. Tiwari

SOFTWARE HANDLED:

- [1] WASP Version III / Extended LINDO
- [2] MATPOWER 4.0 ((Load Flow, Short Circuit, Stability)
- [3] MATPOWER 4.1 (load flow analysis)
- [4] Electro Magnetic Transient Programming (EMTP)
- [5] Power System Studies (Load Flow, Short Circuit, Stability)
- [6] Parallel Self-Organizing Hierarchical Neural Networks (PSHNN)
- [7] PSCAD/EMTDC
- [8] MATLAB Toolbox
- [9] Power World Simulators (Power System Simulation Package)