

CURRICULUM VITAE

Name : **DR DEEPENDRA SINGH**
Father's Name : SRI R. C. SACHAN
Date of Birth : 06 - 07 -1977
Sex (status) : Male (Married)
Address : Electrical Engineering Department,
Kamla Nehru Institute of Technology,
Sultanpur- 228118 (INDIA)
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EMPLOYMENT DETAILS

S No	Nature of Job	Department where employed	Duration
1.	Lecturer	EED, K.N.I.T Sultanpur	Dec 2000- Dec 2005
2.	Lecturer (Sr. Scale)	-do-	Dec 2005-Oct 2008
3.	Assistant Professor	-do-	Oct 2008-Dec 2009
4.	Associate Professor	-do-	22 Dec 2009-till date

- *Selected as Lecturer in Higher College of Technology, Muscat, Oman (Saudi Arabia) for one year contract.*

EXPERIENCE

Total teaching experience 11 years & 2 months

SPECIALIZATIONS

Measurement & Instrumentation, Power Systems,
Distributed Generation

DETAILS OF QUALIFICATIONS

- Ph.D. Electrical (Power Systems) from U P Technical University, Lucknow, 2009.

Topic: Optimal Location & Sizing of Distributed Generation in power systems.

- M. E. Electrical Engg. (Measurement & Instrumentation), 1999, University of Roorkee, Roorkee, (presently IIT Roorkee), Marks obtained 78.35 %(Hons.).
Topic: Performance analysis of Vibration Controller.
- B.Tech. Electrical Engineering, 1997, HBTI Kanpur, Uttar Pradesh (India). Marks obtained 72.66 %.
- Intermediate, Board of High School and Intermediate Education Uttar Pradesh,1992, Marks obtained 64.4%
- High school, Board of High School and Intermediate Education Uttar Pradesh, 1990, Marks obtained 79 % (Hons.)

TEACHING RECORD

UG Level:

- Extra High Voltage AC/DC Transmission,
- High Voltage Engineering,
- Electrical Measurement & Measuring Instruments,
- Instrumentation & Process Control, Power Electronics.

PG Level:

- Extra High Voltage AC/DC Transmission,
- Power Converter-I,
- Power Converter-II,
- Power Converter Applications.

PUBLICATIONS (Annexure-I)

Type of Publications	Journals		Conferences/Seminar*	
	Published	Under Review	Published	Under Review
International	12	2	5	-
National	4	1	15	-

* Accepted for publication.

PROJECT/THESIS SUPERVISED (Annexure-II)

Degree Level	Completed	on progress
Ph.D.	-	3
M.Tech	10	2
B.Tech	15	2

ABROAD VISIT

- 1 Visited Bangkok, Thailand, during Dec 13-17, 2007 to present a research paper in International Conference, "WASET'2007".
- 2 Visited Singapore, during Nov 24-27, 2008 to present a research paper in International Conference, "ICSET 2008".

SUMMER/ WINTER COURSES ATTENDED

1. Short-Term Course on "The Finite Element Method in Electrical Engineering Applications" at I I T Kanpur during Dec 15-19, 2004.
2. Short-Term Course on "Professional Excellence and Ethics for Teachers" at I I T Roorkee (Uttaranchal) during Jan 31- Feb 4, 2005.
3. Short-Term Course on "Nanotechnology-Nanomaterials & their Applications" at I I T Roorkee (Utaranchal) during Feb 21-25, 2005.
4. Short-Term Course on "Intelligent Sensors and Control" at I I T Kanpur during May 4-10, 2005.
5. Short-Term Course on "Computer Machine Interfacing" at NITTTR Chandigarh during March 27-31, 2006.
6. Short-Term Course on "Electric Power System Operation & Control: Modern Trends & Future Challenges" at I I T Kanpur during Aug 28- Sep 1, 2006.
7. Short-Term Course on "Intelligent System Applications to the Smart Electric Grid Solutions" at I I T Kanpur during Nov. 15-19, 2010.

CONFERENCES/WORKSHOPS/SEMINARS ATTENDED

INTERNATIONAL

- 1 Attended and presented a paper in International Conference, "Challenges and Strategies for Sustainable Energy Efficiency and Environment", Lucknow, June 10-11, 2006.
- 2 Attended and presented a paper in International Conference,"WASET'2007", Bangkok, Thailand, Dec 14-16, 2007.

- 3 Attended and presented a paper in “International Conference on Sustainable Energy Technologies, ICSET 2008”, Singapore, Nov 24-27, 2008.

NATIONAL

- 1 Attended one day workshop “Patent Awareness Workshop” at KNIT Sultanpur, Dec 5, 2003.
- 2 Attended and presented a research paper in IEE National Conference PEPeM’05 at TIET, Patiala during Jan 28-29, 2005
- 3 Attended a workshop organized by Electrical Engg. Department at HBTI, Kanpur during Oct 28-30, 2005.
- 4 Attended Workshop at KNIT Sultanpur on “Environmental Studies (Curriculum Development)” on Jan 23, 2006.
- 5 Attended and presented research paper in the National Conference at KNIT Sultanpur, March 24-25, 2006.
- 6 Attended Workshop at KNIT Sultanpur on “Laboratory Teaching in Electrical Engineering, LTEE’06” on Nov 24-26, 2006.
- 7 Attended Workshop at KNIT Sultanpur on “Laboratory Teaching in Electrical Engineering, LTEE’08” on Feb 28-29, 2008.
- 8 Attended course on e-learning at KNIT Sultanpur during July 15, 2008 to July 31, 2008.
- 9 Attended Expert Lecture Series at KNIT Sultanpur on Various fields of Electrical Engineering on Nov 11-15, 2008.
- 10 Attended National Seminar at KNIT Sultanpur on “Non Conventional Energy Resources & its Utilization, NCERU’ 09” on Feb 27-28, 2009.
- 11 Attended a Training Course at KNIT Sultanpur on “MATLAB & its Applications in Electrical Engineering, MAEE’ 09” on Dec 14-16, 2009.
- 12 Attended two days Workshop on “Deployment and Use of NPTEL Courses” during 12-13 July 2010 at IIT Kanpur.
- 13 Attended one day Workshop on “National Programme on Education and Enhanced Learning” on 27 Feb 2011 at G B Technical University Lucknow.

LECTURE/ EXPERT TALK DELIVERED

1. Delivered a lecture in National Workshop “Laboratory Teaching in Electrical Engineering, LTEE’08, Feb 28-29, 2008” at KNIT Sultanpur on “Virtual Instrumentation”.
2. Delivered a lecture on “Role of Power Electronics in Power Systems” at Sagar Institute of Technology & Management, Barabanki (UP) on Oct. 31, 2009.
3. Delivered a Lecture on “MATLAB: Getting Started” in Training Course at KNIT Sultanpur on “MATLAB & its Applications in Electrical Engineering, MAEE’ 09” during Dec 14-16, 2009.

SESSION CHAIRED

1. Chaired one technical session in the National conference on “Technical Challenges in Power Systems” KNIT Sultanpur, March 25, 2006.
2. Chaired one technical session in the International conference on Sustainable Energy Technologies “ICSET 2008” KNIT Sultanpur, Nov 25, 2008.

CONFERENCES/WORKSHOPS/SEMINARS ORGANIZED

1. Organized National Conference at KNIT Sultanpur on “Technical Challenges in Power Systems” on Mar 24-25, 2006.
2. Organized National Workshop at KNIT Sultanpur on “Laboratory Teaching in Electrical Engineering, LTEE’06” on Nov 24-26, 2006.
3. Organized National Workshop at KNIT Sultanpur on “Laboratory Teaching in Electrical Engineering, LTEE’08” on Feb 28-29, 2008.
4. Organized National Seminar at KNIT Sultanpur on “Non Conventional Energy Resources & its Utilization, NCERU’ 09” on Feb 27-28, 2009.
5. Organized a Training Course at KNIT Sultanpur on “MATLAB & its Applications in Electrical Engineering, MAEE’ 09” on Dec 14-16, 2009.
6. Organized a National Conference at KNIT Sultanpur on “Emerging Trends in Electrical & Electronics Engineering, ETEEE- 2011” on Nov 26-27, 2011.

ACADEMIC CONTRIBUTIONS

- 1 Participated as member of B. Tech Second Year Electrical Engg. Syllabus

- development committee in 2001.
- 2 Participated as member of B. Tech Final Year Electrical Engg. Syllabus development committee in 2003.
 - 3 Participated as member for modification of B. Tech Second Year Electrical Engg. Syllabus development committee in 2005.
 - 4 Prepared syllabus of B. Tech Second Year Electrical Engg. Subject: Electrical Measurement & Measuring Instruments.
 - 5 Participated as member for modification of B. Tech Final Year Electrical Engg. Syllabus development committee in 2007.
 - 6 Prepared syllabus of B. Tech Final Year Electrical Engg. Subject: Bio-Instrumentation.
 - 7 Prepared syllabus of B. Tech Final Year Electrical Engg. Subject: Instrumentation & Process Control.
 - 8 Developed new experiments in Electrical Measurement Lab.
 - 9 Developed new experiments in Electrical Instrumentation Lab.
 - 10 Developed in Virtual Instrumentation Lab.

ADMINISTRATIVE POST HELD

INSTITUTE LEVEL

1. Worked as Hostel Warden in KNIT, Sultanpur in session 2001-02.
2. Worked as Hostel Warden in KNIT, Sultanpur in session 2002-03.
3. Worked as Officer-in-Charge Time-Table.
4. Worked as Public Information Officer in KNIT Sultanpur.
5. Worked as Officer-in-Charge Purchase in KNIT Sultanpur
6. **Working as Registrar, KNIT Sultanpur**

DEPARTMENT LEVEL

1. Worked as Officer-in-charge High Voltage Lab in KNIT, Sultanpur in session

- 2001-02.
2. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2001-02.
 3. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2001-02.
 4. Worked as Officer-in-charge High Voltage Lab in KNIT, Sultanpur in session 2002-03.
 5. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2002-03.
 6. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2002-03.
 7. Worked as Officer-in-charge High Voltage Lab in KNIT, Sultanpur in session 2003-04.
 8. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2003-04.
 9. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2003-04.
 10. Worked as Officer-in-charge Power Electronics Lab in KNIT, Sultanpur in session 2003-04.
 11. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2003-04.
 12. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2003-04.
 13. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2004-05.
 14. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2004-05.
 15. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2005-06.
 16. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2005-06.

17. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2006-07.
18. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2006-07.
19. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2007-08.
20. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2007-08.
21. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2008-09.
22. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2008-09.
23. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2009-10.
24. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2010-11.
25. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2010-11.
26. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2011-12.
27. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2011-12.

UNIVERSITY LEVEL

1. Worked as Paper Setter in Electrical Engg. Subjects of various Universities i.e. UPTU, MTU, Dr. B.R.A. Agra University, Jaunpur University, RML Avadh University, Faizabad etc.
2. Worked as UPTU Affiliation Committee Member to inspect various Engineering Institutes in 2006.
3. Worked as UPTU Affiliation Committee Member to inspect various Engineering

Institutes in 2007.

4. Worked as Dy. Head Examiner in U P Technical University Odd Semester Examination 2002 for evaluation in Basic Electrical Engg..
5. Worked as Dy. Head Examiner in U.P. Technical University Even Semester Examination 2003 for evaluation in Electrical Engg. subjects.
6. Worked as Dy. Head Examiner in U.P. Technical University Odd Semester Examination 2003 for evaluation in Electrical Engg. subjects.
7. Worked as Dy. Head Examiner in U.P. Technical University Odd Semester Examination 2004 for evaluation in Electrical Engg. subjects.
8. Worked as Dy. Head Examiner in U.P. Technical University Even Semester Examination 2005 for evaluation in Electrical Engg. subjects.
9. Worked as Dy. Head Examiner in U.P. Technical University Odd Semester Examination 2005 for evaluation in Electrical Engg. subjects.
10. Worked as Head Examiner in U.P. Technical University Even Semester Examination 2006 for evaluation in Electrical Engg. subjects.
11. Worked as Dy. Head Examiner in U.P. Technical University Odd Semester Examination 2006 for evaluation in Electrical Engg. subjects.
12. Worked as Head Examiner in U.P. Technical University Even Semester Examination 2007 for evaluation in Electrical Engg. subjects.
13. Worked as Head Examiner in U.P. Technical University Even Semester Examination 2007 for evaluation in Electrical Engg. subjects.
14. Worked as Head Examiner in U.P. Technical University Odd Semester Examination 2007 for evaluation in Electrical Engg. subjects.
15. Worked as Dy. Head Examiner in U.P. Technical University Odd Semester Examination 2008 for evaluation in Electrical Engg. subjects.
16. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2004-05.
17. Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2004-05.
18. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2005-06.

- 19.** Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2005-06.
- 20.** Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2006-07.
- 21.** Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2006-07.
- 22.** Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2007-08.
- 23.** Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2007-08.
- 24.** Worked as Flying Squad Group Leader in U.P. Technical University Special Carryover Semester Examination 2007-08.
- 25.** Worked as Flying Squad Group Leader in U.P. Technical University Odd Semester Examination 2008-09.
- 26.** Worked as Flying Squad Group Leader in U.P. Technical University Even Semester Examination 2008-09.
- 27.** Worked as Coordinator Re-evaluation for Banaras Hindu University at KNIT Centre in Semester Examination 2008-09.
- 28.** Worked as Coordinator Re-evaluation for Banaras Hindu University at KNIT Centre in Semester Examination 2009-10.
- 29.** Worked as Flying Squad Group Leader in U.P. Technical University Odd Semester Examination 2009-10.
- 30.** Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2009-10.
- 31.** Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2009-10.
- 32.** Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2010-11.
- 33.** Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2010-11.

34. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2011-12.
35. Worked as Flying Squad Member in U.P. Technical University Special Carryover Examination 2011-12.
36. Worked as UPTU Affiliation Committee Member to inspect various Engineering Institutes in 2011.

REFEREES

1. Dr S N Singh,
Professor, Department of Electrical Engineering,
Indian Institute of Technology, Kanpur (UP) - 208016, INDIA
Tel: +91-512-2597009,
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2. Dr Vinod Kumar,
Professor & Head, Department of Electrical Engineering,
Indian Institute of Technology, Roorkee (UK) - 246667, INDIA
Tel: +91-1332-285593
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3. Dr S P Singh,
Professor, Department of Electrical Engineering,
Institute of Technology, Banaras Hindu University, Varanasi (UP)
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(Deependra Singh)

LIST OF PUBLICATIONS

INTERNATIONAL

JOURNALS

- 1 “Effect of Load Models on Distributed generation planning”, *IEEE Trans. on Power Systems*, Vol. 22, No. 4, pp. 2204-2212, Nov. 2007.
Co-authors: Devender Singh & R K Misra.
- 2 “Multiobjective Optimization for DG planning with Load Models”, *IEEE Trans. on Power Systems*, Vol. 24, No. 1, pp. 427-436, Feb 2009.
Co-authors: Devender Singh & K S Verma.
- 3 “GA based Optimal Sizing and Placement of Distributed Generation for Loss Minimization”, *International Journal of Intelligent Technology*, Vol. 2, No. 4, pp. 263-269, 2007.
Co-authors: Devender Singh & K S Verma.
- 4 “GA based Energy Loss Minimization Approach for Optimal Sizing and placement of Distributed Generation”, *International Journal on Knowledge-based & Engineering Intelligent Systems*, Vol. 12, No. 2, pp. 147-159, 2008.
Co-authors: Devender Singh & K S Verma.
- 5 “Stochastic Optimization Method for Signalized Traffic Signal Systems”, *International Journal of Knowledge-based & Engineering Intelligent Systems* (In Publication)
Co-author: Rajan Singh.
- 6 “Comparative Study and Performance Evaluation of Different Timing Plans of Signalized Intersections”, *International Journal of Computer & Electrical Engineering* (In Publication)
Co-author: Rajan Singh.
- 7 “Distributed Generation Planning Strategy with Load Models in Radial Distribution System”, *International Journal of Computer & Electrical Engineering* (In Publication)
Co-authors: Devender Singh & K S Verma.
- 8 “Utility Distributed Generation Integration & Operational Impacts with Load Models”, *IEEE Trans. on Power Systems* (Under Review Process)
- 9 “Micro Energy Management: A Review”, *International Journal of Computer &*

Electrical Engineering (Under Review Process)

- 10 “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. 980-992.
Co-authors: Bindeshwar Singh, N K Sharma, A N Tiwari, & K S Verma
- 11 “Carrier Frequency Selection of Three-phase Matrix Converter,” *International Journal of Advances in Engineering & Technology (IJAET)*, Vol. 1, No. 3, pp. 41-54, July 2011.
Co-authors: Pawan Kumar Sen, Neha Sharma, Ankit Kumar Srivastava, Dinesh Kumar and K S Verma
- 12 “Performance Evaluation of AC Motor Drives Through Matrix Converter-an Indirect Space Vector Modulation Approach,” *International Journal of Advances in Engineering & Technology (IJAET)*, Vol. 1, No. 3, pp. 145-161, July 2011.
Co-authors: Pawan Kumar Sen, Neha Sharma, Ankit Kumar Srivastava, Dinesh Kumar and K.S. Verma

CONFERENCES

- 1 “GA based Optimal Sizing and Placement of Distributed Generation for Loss Minimization”, *Proc. International Conference WASET'2007*, Bangkok, Thailand, pp. 381-387, Dec 14-16, 2007.
Co-authors: Devender Singh & K S Verma.
- 2 “Distributed Generation and Its Location in Open Power Market”, *Proc. International Conference Challenges and Strategies for Sustainable Energy Efficiency and Environment-2006*, U. P.T.U, Lucknow, pp. 330-340, Jun 10-11, 2006.
Co-authors: Devender Singh, K S Verma & J P Pandey.
- 3 “Comparative Analysis for Penetration of Distributed Generation in Power Systems”, *IEEE International Conference on Sustainable Energy Technologies “IEEE ICSET 2008”*, Singapore, pp. 1417-1422, Nov 24-27, 2008.
Co-authors: Devender Singh & K S Verma.
- 4 “Enhancement of Voltage Stability By Coordinated Control Of Multiple Facts Controllers in Multi-Machine Power System Environments,” *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.
Co-authors: Bindeshwar Singh, N K Sharma, A N Tiwari & K S Verma

- 5 “GA based Congestion Management in Deregulated Power System using FACTS Devices”, *International Conference ICUE 2011* at Pattaya City, Bangkok, 28-30 Sept, 2011.
Co-author: K S Verma

NATIONAL

JOURNALS

- 1 “Efficient Water Supply System”, *Journal of Trade Science Inc.* (in Publication Process)
- 2 “Energy and Water Conservation: Present Need”, *Journal of Trade Science Inc.* (in Publication Process)
- 3 “Need of Energy Conservation: Power to All”, *ISST Journal of Mechanical Engineering (IJME)* Vol.-1 No-2, July-Dec-2010
Co-authors: D N Srivastava & K S Verma.
- 4 “Competency of Distributed Generation in Deregulated Environment” *Journal of Institution of Engineers India* (in Review Process).
Co-authors: Aseem Chandel & K S Verma.
- 5 “Changing Scenario of Electric Power Injection: Generation Side to Load Side”, *Electrical India Magazine*, Chary Publication Pvt. Ltd. Mumbai, 2011.
Co-authors: S N Singh & K S Verma.

CONFERENCES/SEMINARS

- 1 “Distributed Generation in deregulated environment: An Overview and Key Issues” *Proc. IEE National Conference at TIET, Patiala, PEPEM’05*, pp. 183-185, Jan 28-29, 2005.
Co-authors: Devender Singh & K S Verma.
- 2 “Distributed Generation & strategy for its location in open power market”, *Proc. National Conference at KNIT Sultanpur*, March 24-25, 2006.
Co-authors: R K Singh, Devender Singh & K S Verma.
- 3 “Distributed Generation and its applications: Review”, *Proc. National Conference at KNIT Sultanpur*, March 24-25, 2006.
Co-authors: Neha Tiwari, Devender Singh & K S Verma.
- 4 “Power flow control using Generalised Unified Power Flow Controller”, *Proc.*

- National Conference at MMMEC Gorakhpur (EPTIMITA 06)*, Feb. 17-18, 2006.
Co-authors: Devender Singh & K S Verma.
- 5 “Distributed Generation and its Placement in Electric Power Systems”, *Proc. All India Seminar on Energy: The Future Scenario*, IT BHU, Varanasi, pp. 297-305, March 10-11, 2007.
Co-authors: Devender Singh, R K Misra & K S Verma.
 - 6 “Development of a DG Set Model for Local Network Stability Analysis (Voltage and Frequency)”, *Proc. National Conference at SKIT, Jaipur*, Feb 8-9, 2008.
Co-authors: Asem Chandel & Nitin Bharadwaj.
 - 7 “Dynamic Modelling of Wind Turbine Generator-An Approach”, *Proc. National Seminar “Non Conventional Energy resources & its Utilization”*, KNIT Sultanpur, pp. 71-79, Feb 28-29, 2009.
Co-authors: Asem Chandel & K S Verma.
 - 8 “Distributed Power Generation: Energy Solution for 3G”, *Proc. National Seminar “Non Conventional Energy Resources & its Utilization”*, KNIT Sultanpur, pp. 80-86, Feb 28-29, 2009.
Co-author: K S Verma.
 - 9 “Performance Analysis (Sensitivity Based) of Wind Turbine Generator in Distribution System”, *Proc. National Conference “Emerging Trends in Power Systems & Energy Management (NCPSEM-2010)”*, Lingaya’s University, Faridabad, Haryana , pp. 280-283, Feb 22-23, 2010.
Co-authors: Asem Chandel & Manoj Fozdar.
 - 10 “Multi Objective VAR Planning with SVC using Particle Swarm Optimization Techniques in Power System Networks”, *Proc. National Conference ETEEE-2011 at KNIT Sultanpur*, 26-27 Nov, 2011.
Co-authors: Bindeshwar Singh, S N Singh, K S Verma & Shah Alam Malik
 - 11 “Effect of load Models and Power Factor on Nodal Pricing of Distributed Resources”, *Proc. National Conference ETEEE-2011 at KNIT Sultanpur*, 26-27 Nov, 2011.
Co-authors: Asem Chandel & M Fozdar
 - 12 “Performance Investigation of Three-phase SVPWM unipolar AC-AC Converter-Fed induction Motor Drive under different loading Conditions”, *Proc. National Conference ETEEE-2011 at KNIT Sultanpur*, 26-27 Nov, 2011.
Co-authors: Rajneesh Mishra, S P Singh, S M Tripathi & Dinesh Kumar
 - 13 “Space Vector Pulse Width Modulation based Speed Control of Induction Motor using PI Controller”, *Proc. National Conference ETEEE-2011 at KNIT Sultanpur*, 26-27 Nov, 2011.

Co-authors: Mohd Naim, Rajneesh Mishra, Bindeshwar Singh, S P Singh, & Jaswant Singh

- 14** “Enhancement of Performance Parameters Space Vector PWM Controlled Hybrid Active Power Filter for Power Conditioning”, *Proc. National Conference ETEEE-2011 at KNIT Sultanpur, 26-27 Nov, 2011.*

Co-authors: Rajendra Kumar Yadav, S P Singh & Mohd Naim

- 15** “Performance Investigation of Photovoltaic Energy System using State-Space Averaging Technique”, *Proc. National Conference ETEEE-2011 at KNIT Sultanpur, 26-27 Nov, 2011.*

Co-authors: Nitya Nand Singh & S P Singh

LIST OF PhD/PG THESIS SUPERVISED

Ph.D.

1. Aseem Chandel, SIT Mathura on “Economy Analysis for Sizing & Location of Distributed Generation in power systems”, 2011 (in progress)
2. Govind Singh, GIC Allahabad on “Detection & Classification of Fault in Conventional Power System with Penetration of Distributed Generation”, 2012 (in progress)
3. Saurabh Mani Tripathi, KNIT Sultanpur on “Simulation based Study of Wind Energy Generation, Grid Integration and Coordination in Power Systems”, 2012 (in progress)

M.TECH.

1. Raj Kumar Singh on “Distributed Generation & Strategy for its location in Restructured Power System”
2. Rakesh Kumar on “To Investigate the Breakdown Characteristic of Atmospheric Air with Varying Degree of Uniformity in Extremely Non-Uniform Electric Field with DC & AC Voltages”
3. Rajan Singh on “Timing Plan Development for a Signalized Intersection through Delay Estimation”
4. Aseem Chandel on “Sizing & Location of Wind Generation in power systems using Dynamic Modeling”
5. Rahul Singh on “Placement of Combustion Generation in Power Systems using Dynamic Modeling”
6. Abhishek Mishra, “ Simulation of Hybrid power controller for hybridization of SPV panel with Grid”
7. Hari Shankar Tripathi “Design and performance analysis of PID controller for controlled converter fed separately excited DC motor Drive” Feb 2009.
8. Ritul Agrawal “Frequency Domain Controller Design using MARKOV Parameter

and Time moment method” March 2009

- 9.** Pawan Kumar Sen “Performance Investigation of Three Phase Induction Motor fed by Direct Matrix Converter through Indirect SVPWM Approach” Jan 2011
- 10.** Nitya Nand Singh “Performance Investigation of Photovoltaic Energy System using State-Space Averaging Technique” Dec 2011