

## Current Resume

Name : **Dr. DEEPENDRA SINGH**  
Father's Name : Sri R. C. SACHAN  
Date of Birth : 06 - 07 -1977  
Sex (status) : Male (Married)  
Address : Professor, Electrical Engineering Department,  
Kamla Nehru Institute of Technology,  
Sultanpur- 228118 (INDIA)  
Email: **deependra\_knit@yahoo.com**  
Mobile : 09415156186



## 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 (12000-420-18300)/ Revised: Associate Professor (P.B.37400- 67000 + AGP 9000)	-do-	21 Oct 2008-Sept 2014
4.	Professor (P.B.37400- 67000 + AGP 10000) Level-14	-do-	21 Oct. 2014 - till date

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

## ADMINISTRATIVE EXPERIENCE

1. Working as **Professor-in-Charge, START-UP Cell**, KNIT Sultanpur in session 2020-till now.
2. Worked as **Registrar(Offg.), in Establishment of REC, AmbedkarNagar** in session 2010-14.
3. Worked as **Registrar, KNIT Sultanpur** in session 2010-2014.
4. Worked as **Public Information Officer** in KNIT Sultanpur in session 2009-2014.
5. Worked as **Controller of Examinations**, KNIT Sultanpur in session 2014-2018.
6. Worked as **Officer-in-Charge Dispensary** in session 2015-2016
7. Worked as **Officer-in-Charge Purchase** in KNIT Sultanpur in session 2011-2014
8. Worked as **Hostel Warden** in KNIT, Sultanpur in session 2001-02.
9. Worked as **Hostel Warden** in KNIT, Sultanpur in session 2002-03.
10. Worked as **Officer-in-Charge Time-Table** in session 2002-2009.

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**Total academic experience: 20 years**  
**Total administrative experience: Over 10 years**

## **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.)

## **SPECIALIZATIONS**

Measurement & Instrumentation, Power Systems, Distributed Generation

## **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** (See Annexure-I)

Type of Publications	Journals		Conferences/Seminar*	
	Published	Under Review	Published	Under Review
<b>International</b>	30	-	11	-
<b>National</b>	05	-	19	-

\* Accepted for publication.

## **PROJECT/THESIS SUPERVISED** (See Annexure-II)

## **BOOK PUBLICATIONS**

- 1 Contributing as **Editor of a Book** entitled *AI Applications in Distributed Energy Systems*, NOVA Science Publisher, Inc, USA.  
Co-Editors: Aseem Chandel, S N Singh & Fushuan Wen.

## **ARTICLES / CHAPTERS PUBLISHED IN BOOKS**

- 1 Published a Chapter “Distributed Generation and Its Location in Open Power Market”, in a Book entitled *Challenges and Strategies for Sustainable Energy Efficiency and Environment*, New Age International, New Delhi, 2006, pp. 330-340.
- 2 “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.

## **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”.
- 3 Visited Bangkok, Thailand, during Sept. 28-30, 2011 to present a research paper in International Conference, “ICUE 2011”.

## **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 (Uttaranchal) 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.
8. Short-Term Course on “Power Markets: Economics & Management” at I I T Kanpur during Oct 29- Nov. 02, 2012.
9. Short-Term Course on “Solid State Control of Electric Drives through ICT” at KNIT Sultanpur during July 21-25, 2014.
10. Faculty Development Programme on “MATHEMATICA’10” at KNIT Sultanpur during March 23-27, 2015.
11. Faculty Development Programme on “Entrepreneurship Development” at KNIT Sultanpur during Feb. 16-28, 2015.
12. Short Term Training Programme on “Simulation & Mathematical Tool for Engineering Applications (SMTEA)” at KNIT Sultanpur during July 27-31, 2015.
13. Faculty Development Programme on “Research Methodology using Data Analytical Tools” at KNIT Sultanpur during Jan. 11-22, 2016.
14. Faculty Development Programme on “Simulation & Mathematical Tools for Engineering Research” at KNIT Sultanpur during July 04-15, 2016.
15. Faculty Development Programme on “Recent Advances in Distribution Generation Systems & Management (RADGSM-18)” at KNIT Sultanpur during April 02-06, 2018.
16. Faculty Development Programme on “ICT in Advanced Teaching and Learning for Academicians: A Gateway to Technical Excellence” jointly organized by NIT Patna and KNIT Sultanpur at KNIT Sultanpur, during March 25-30, 2019.

## **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.
- 4 Attended and presented a paper in “International Conference on Utility and Exhibition ICUE 2011”, Pattaya, Thailand, during Sept. 28-30, 2011.

## **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.
- 14 Attended a National Conference at KNIT Sultanpur on "Emerging Trends in Electrical & Electronics Engineering, ETEEE- 2011" on Nov 26-27, 2011.
- 15 Attended one day Workshop on "Exposure on Nanotechnology" on 26 May 2012 at Kamla Nehru Institute of Technology Sultanpur.
- 16 Attended one day Seminar cum Workshop at KNIT Sultanpur on "NPTEL (National Programme on Technical Enhanced Learning)" on Aug 02, 2013.
- 17 Attended one day National Seminar at KNIT Sultanpur on "Advances in Power Systems (NSAPS-2013)" on Sept 07, 2013.

- 18 Attended two day Seminar at KNIT Sultanpur on “Youth Camp: Role of Medical Science in Personality Building” on Feb 22-23, 2014.
- 19 Attended First National Conference at KNIT Sultanpur on “National Power & Energy System Conference (NPESC-2014)” on April 25-26, 2014.
- 20 Attended one day Workshop at KNIT Sultanpur on “Recent Simulation Techniques & Tools” on April 29, 2014.
- 21 Attended one day Workshop at KNIT Sultanpur on “Road Safety” on Nov. 19, 2014.
- 22 Attended Two days Workshop at KNIT Sultanpur on “Curriculum Development in Electrical Engineering” on May 15-16, 2015.
- 23 Attended Two days National Conference “2<sup>nd</sup> National Power & Energy System Conference-2015 (NPESC-2015)” on April 10-11, 2015 at KNIT Sultanpur.
- 24 Attended Two days 2<sup>nd</sup> Workshop at KNIT Sultanpur on “Curriculum Development in Electrical Engineering” on Jun 26-27, 2015.
- 25 Attended two days Workshop on “Advances in Remote Sensing & GIS” during 18-19 Sept. 2015 at KNIT Sultanpur.
- 26 Attended two days Workshop on “Pre-preparation methods for Accreditation” during 19-20 March. 2018 at KNIT Sultanpur.

### **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.
4. Delivered a Lecture on “LABView: Getting Started” in Workshop at KNIT Sultanpur on “Recent Simulation Techniques & Tools” on April 29, 2014.
5. Delivered Expert Lecture on topic “Application of MATLAB in Power System” in three days Workshop “Application of MATLAB in Electrical Engineering” at Rajkiya Engineering College, Ambedkar Nagar on November 23, 2015.
6. Delivered Expert Lecture on topic “Application of MATLAB in Power System” in Faculty Development Programme “MATLAB & its Application in Engineering” at Azad Technical Campus, Lucknow on Jan. 17, 2016.

7. Delivered Expert Lecture on topic “MATLAB Application in Power System” in Faculty Development Programme “MATLAB & its Application in Engineering” at RRSIMT, Amethi, on Feb. 23, 2019.
8. Delivered Expert Lecture on topic “Effective Research Thesis Writing” in Faculty Development Programme “ICT in Advanced Teaching and Learning for Academicians: A Gateway to Technical Excellence” jointly organized by NIT Patna and KNIT Sultanpur at KNIT Sultanpur, March 27, 2019.
9. Delivered Expert Lecture on topic “Distributed Generation Environment with Smart Grid” in Faculty Development Programme “Power System Operation & Control(PSOC)-2019” at REC, Sonbhadra, on May 08, 2019.

### **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.
3. Chaired one technical session in the National conference on Emerging Trends in Mechanical & Electrical Engineering 2012 at Integral University, Lucknow, June 12, 2012.
4. Chaired one technical session in 2nd National Power & Energy System Conference-2015 at KNIT Sultanpur, April 11, 2015.

### **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.

7. Organized one day Seminar cum Workshop at KNIT Sultanpur on “NPTEL” on Nov 26-27, 2011.
8. Organized one day National Seminar “Advances in Power Systems (NSAPS-2013) on Sept 07, 2013.
9. Organized two day Seminar at KNIT Sultanpur on “Role of Medical Science in Personality Building” on Feb 22-23, 2014.
10. Organized one day Workshop at KNIT Sultanpur on “Recent Simulation Techniques & Tools” on April 29, 2014.
11. Organized Two days Workshop at KNIT Sultanpur on “Curriculum Development in Electrical Engineering” on May 15-16, 2015.
12. Organized two days National Conference “2<sup>nd</sup> National Power & Energy System Conference-2015 (NPESC-2015)” at KNIT Sultanpur on April 10-11, 2015.
13. Organized two days International Conference “International Conference on Emerging Trends in Electrical, Electronics & Sustainable Energy Systems ICETEESES-2016)” at KNIT Sultanpur on March 11-12, 2016.
14. Organized one week Faculty Development Programme “Recent Advances in Renewable Energy Technology & Smart Micro-Grids” at KNIT Sultanpur on Sept. 13-17, 2016.
15. Organized one week short term course “Thermal Power Plants: Past & Present” at KNIT Sultanpur on Feb. 20-25, 2017.
16. Organized one week Faculty Development Programme on “Recent Advances in Distribution Generation Systems & Management (RADGSM-18)” at KNIT Sultanpur during April 02-06, 2018.
17. Organized one week Short Tern Course on “Emerging Power Technologies and Management (EPTM-2019)” at KNIT Sultanpur during April 08-13, 2019.

## **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**

- I. Worked as Hostel Warden in KNIT, Sultanpur in session 2001-02.
- II. Worked as Hostel Warden in KNIT, Sultanpur in session 2002-03.
- III. Worked as Officer-in-Charge Time-Table in session 2002-2009.
- IV. Worked as Public Information Officer in KNIT Sultanpur in session 2009-2014.
- V. Worked as Officer-in-Charge Purchase in KNIT Sultanpur in session 2011-2014
- VI. Worked as Registrar, KNIT Sultanpur in session 2010-2014.
- VII. Worked as Convenor “KNIT DrishtiCone” News Paper in session 2010-2018.
- VIII. Working as Convenor TFT, “TEACH FOR TECHNOCRATS” fully assisted by earn-while-learn scheme from July, 2009 till date.
- IX. Worked as Officer-in-Charge Dispensary in session 2015-2016.
- X. Worked as Controller of Examination, KNIT Sultanpur in session 2014-2018
- XI. Working as Institute SPOC “NPTEL” from July, 2016 till date.
- XII. Working as Professor-In-Charge, START-UP Cell, KNIT Sultanpur in session 2020-till date

### **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.
28. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2012-13.
29. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2012-13.
30. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2013-14.
31. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2013-14.
32. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2014-15.

33. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2014-15.
34. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2015-16.
35. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2015-16.
36. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2016-17.
37. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2016-17.
38. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2017-18.
39. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2017-18.
40. Worked as Officer-in-charge Electrical Instrumentation Lab in KNIT, Sultanpur in session 2018-19.
41. Worked as Officer-in-charge Electrical Measurement Lab in KNIT, Sultanpur in session 2018-19.

#### **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 Exam. 2008-09.
26. Worked as Flying Squad Group Leader in U.P. Technical University Even Semester Exam. 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 Exam. 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 Exam. 2011-12.
36. Worked as UPTU Affiliation Committee Member to inspect various Engineering Institutes in 2011.

37. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2010-11.
38. Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2012-13.
39. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2012-13.
40. Worked as Flying Squad Member in U.P. Technical University Special Carryover Exam. 2012-13.
41. Worked as UPTU Affiliation Committee Member to inspect various Engineering Institutes in 2012.
42. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2013-14.
43. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2013-14.
44. Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2013-14.
45. Worked as Flying Squad Member in U.P. Technical University Odd Semester Examination 2014-15.
46. Worked as Flying Squad Member in U.P. Technical University Even Semester Examination 2014-15.
47. Worked as UPTU Affiliation Committee Member to inspect various Engineering Institutes in 2013.
48. Worked as Flying Squad Member in U.P. Technical University Special Carryover Examination Aug-Sept 2015.

### **CONSULTANCY PROJECTS CONTRIBUTIONS**

1. Worked as Chairman, Third Party Evaluation of Electrical Works in various projects of UPRNN Ltd. Meerut in session 2017-18 (Consultancy Amount Rs. 2.70 Lacs).
2. Worked as Member, Third Party Evaluation of Electrical Works in various projects of NCCFI Ltd. Lucknow in session 2019-20 (Consultancy Amount Rs. 5.70 Lacs).

### **MOU FORMULATED FOR ACADEMIC COLLABORATIONS:**

1. MOU formulated between KNIT-IIT Kanpur for academic collaborations in year 2012-2015.
2. MOU Coordinator between KNIT-MMMUT Gorakhpur for academic collaborations in year 2019-2022.

### **RESEARCH PROJECTS CONTRIBUTIONS**

1. Sanctioned as Project Co-Principal Investigator on “DESIGN AND CONTROL OF GRID-TIED PMSG BASED WIND GENERATION SYSTEM”, Aug. 2017 by DR. APJ AKTU Lucknow, India (Amount sanctioned Rs. 1.00 Lac)

## **REVIEWER OF JOURNALS**

1. Reviewed various research papers of “*Elsevier Journal- Renewable & Sustainable Energy Reviews*”.
2. Reviewed various research papers of “*International Journal of Green Energy*”.

## **MEMBER OF PROFESSIONAL BODY**

1. Member IEEE (No. 91240996)
2. Member of Scientific & Technical Committee ( WASET, USA)
3. Member of International Association of Engineers(IAENG) (No. 189036)
4. Life Member, ISTE New Delhi (No. LM-117194)
5. Fellow Member, The Institution of Engineers (India) (IEI) (No. F-123114-2)

## **REFEREES**

1. Dr S. N. Singh, Professor  
Department of Electrical Engineering,  
Indian Institute of Technology, Kanpur (UP) - 208016, INDIA  
Tel: +91-512-2597009, Fax: +91-512-2590063, Mob: 09450605039  
Email: [snsingh@iitk.ac.in](mailto:snsingh@iitk.ac.in)
2. Dr Vinod Kumar, Professor  
Department of Electrical Engineering,  
Indian Institute of Technology, Roorkee (UK) - 246667, INDIA  
Tel: +91-1332-285593  
Email: [vinodfee@iitr.ernet.in](mailto:vinodfee@iitr.ernet.in)

(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.
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Co-authors: Devender Singh & K S Verma.
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Co-authors: Devender Singh & K S Verma.
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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*, Vol. 1, No. 3, pp. 362-375, Aug. 2009  
Co-authors: Devender Singh & K S Verma.
- 8 “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, pp. 980-992, June 2010.  
Co-authors: Bindeshwar Singh, N K Sharma, A N Tiwari, & K S Verma
- 9 “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

- 10** “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
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Co-authors: Bindeshwar Singh, S. N. Singh and K.S. Verma
- 12** “An Efficient Control on Photovoltaic Energy Conversion using Modified Perturb & Observe Technique for Stand Alone Applications”, MIT International Journal of Electrical & Instrumentation Engineering, ISSN No. 2230-7656, Vol. 2, No. 1, pp. 25-30, Jan 2012.  
Co-authors: Nitya Nand, S. P. Singh and Tarun Varshney.
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Co-authors: Bindeshwar Singh, Nupur Mittal, S. P. Singh, Rahul Dixit, Manvendra Singh, Anchal Baranwal and K. S. Verma
- 14** “Pricing of Distributed Resources”, International Journal of Computer Science & Its Applications, vol. 2, issue-3, pp. 36-39, ISSN 2250-3765, 2013.  
Co-authors: D S Chauhan and Aseem Chandel
- 15** “Reliable Distributed Generation Planning”, International Journal of Advances in Electronics Engineering, vol. 2, issue-3, pp. 176-179, ISSN 2278-215X, 2013.  
Co-authors: D S Chauhan and Aseem Chandel
- 16** “Distributed Generation Planning in Deregulated Power Market- A bibliographical Survey”, International Journal of Energy Technology and Policy (Inderscience Journal), 2014.  
Co-authors: D S Chauhan and Aseem Chandel
- 17** “Performance Investigation of Shunt and Hybrid Active Power filters for Power Quality Improvement”, MIT International Journal of Electrical & Instrumentation Engineering, ISSN No. 2230-7656, Vol. 4, No. 2, pp. 53-60, Aug. 2014.  
Co-authors: Satyaveer Gupt, S. P. Singh and Manish Tripathi
- 18** “Grid Integrated Permanent Magnet Synchronous Generator Based Wind Energy Conversion Systems: A Technical Review”, International Journal of Renewable & Sustainable Energy Reviews, pp. 1288-1305, Elsevier, 2015.  
Co-authors: A N Tiwari and Saurabh Mani Tripathi
- 19** “Optimum Design of Proportional-Integral Controller in a Grid Integrated PMSG Based Wind Energy Conversion Systems”, International Transactions on Electrical Energy Systems (Wiley), Vol. 26, Issue 5, pp. 1006-1031, 2016.  
Co-authors: A N Tiwari and Saurabh Mani Tripathi
- 20** “A Taxonomical Review on Distributed Generation Planning,” European Journal of Advances in Engineering and Technology (EJAET) ,Vol 3, Issue 4, 2016.  
Co-authors: Bindeshwar Singh, R. P. Payasi, Manish Yadav & Janmejy Sharma



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- 22 “Controller Design for a Variable-speed Direct-drive Permanent Magnet Synchronous Generator-based Grid-interfaced Wind Energy Conversion System using D-partition Technique”, IEEE Access, ISSN: 2169-3536, digital object identifier 10.1109/ACCESS.2017.2775250, Vol. 5, pp. 27297-27310, 2017  
Co-authors: Saurabh Mani Tripathi & A N Tiwari
- 23 “Improved Transformerless Inverter with Common-mode Leakage Current Elimination for a Photovoltaic Energy Conversion System”, IJERT, Vol. 6, Issue 11, Nov. 2017  
Co-author(s): Rajat Sachan
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- 25 “Stability Improvement of Multi-Machine Power System Network using STATCOM & UPFC”, International Journal for Research in Applied Science & Engineering Technology(IJRASET), 179-188, DOI: 10.22214, Print ISSN: 2321-9653, IC Value:45.98; Vol. 7; Issue X, Oct. 2019  
Co-authors: Sandeep Kumar & K S Verma
- 26 “Performance Investigation of Single Phase AC/DC Power factor Corrected Boost Converter for PHEV Battery Charger”, International Journal for Research in Applied Science & Engineering Technology(IJRASET), 277-286, DOI: 10.22214, Print ISSN: 2321-9653, IC Value:45.98; Vol. 7; Issue X, Oct. 2019  
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- 27 “Techno-Economic Analysis & Optimal Planning of Hybrid Renewable Energy Systems”, International Journal of Innovative Technology & Exploring Engineering, vol. 9, issue-2, Dec. 2019  
Co-authors: Chandarani K Sutar & K S Verma
- 28 “Multi-criteria Optimization of Hybrid Renewable Energy for Standalone Electrification”, International Journal of Advanced Science & Technology(Elsevier Scopus), vol. 28, No. 15, Nov. 2019  
Co-authors: Chandarani K Sutar & K S Verma
- 29 “Analysis of Five Level Diode Clamped in Comparison with Cascaded H Bridge Multilevel Inverter”, International Journal for Research in Applied Science & Engineering Technology(IJRASET), 82-89, DOI: 10.22214, Print ISSN: 2321-9653, IC Value:45.98; Vol. 8; Issue III, Mar 2020  
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- 30 “GA-based Multi-Objective Optimization for Distributed Generations Planning in Distribution Systems with ZIP Load Models”, International Transactions on Electrical Energy Systems (Wiley) (ITEES), DOI: 10.1002/2050-7038.12576, Sep. 2020  
Co-authors: Dilip Kumar Patel & Bindeshwar Singh

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- 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.
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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
- 6 "Performance Evaluation of Hybrid Active Filter based on SVPWM Technique for Power Conditioning using MATLAB/Simulink Environment", *International Conference on Emerging Trends in Engineering & Technology, pp.1-9*, at Thirthankar Mahaveer University, Moradabad, 6-7, April 2012.  
Co-author: Rajendra Kumar Yadav, S. P. Singh, Mohd Naim and Ravi Prakash Vishwakarma.
- 7 "Investigation of Transient Performance of VSI fed IM Drives using V/f and Vector Control Techniques", 2<sup>nd</sup> *International Conference on Power Control & Embedded System (ICPCES 2012)*, 978-1-4673-1049-9, pp. 86-91, at MNNIT, Allahabad, 17-19, Dec 2012 (also in IEEE Explore).  
Co-author: Rajnish Mishra, S. P. Singh, B. Singh and Dinesh Kumar.
- 8 "Economic Planning of Distribution System", *Proc. International Conference 2014 IEEE Innovative Smart Grid Technologies-Asia (ISGT ASIA)*, pp. 429-434, at Kuala Lumpur, Malaysia, 22-23 May, 2014.  
Co-author: Assem Chandel & D S Chauhan
- 9 "Improvement of PQ parameters by optimally placed DG with realistic load models in Distribution Power System" *International Conference on Advanced and Agile Manufacturing Systems" ICAM 2015*, KNIT Sultanpur India, Dec. 28-29, 2015.  
Co-authors: Bindeshwar Singh, & Ashok Kumar

- 10 “Review on Performance Enhancement of Load Frequency Control in Smart Grid” International Conference on Emerging Trends in Electrical, Electronics & Sustainable Energy Systems” ICETEESES-16, KNIT Sultanpur India, Mar.11-12, 2016.  
Co-authors: Chandarani & K.S. Verma
- 11 “FRT Compliance in Grid Integrated PMSG-based Wind Energy Conversion System” International Conference on Emerging Trends in Electrical, Electronics & Sustainable Energy Systems” ICETEESES-16, KNIT Sultanpur India, Mar.11-12, 2016.  
Co-authors: S.M. Tripathi & A.N. Tiwari

## **NATIONAL**

### **JOURNALS**

- 1 “Efficient Water Supply System”, *Journal of Trade Science Inc.*, vol. 5, issue-2, pp. 163-178, 2010.  
Co-authors: D N Srivastava & K S Verma.
- 2 “Energy and Water Conservation: Present Need”, *ISST Journal of Electrical & Electronics Engineering (IJEEE)*, vol. 1, no. 1, 2010.  
Co-authors: D N Srivastava & K S Verma.
- 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 “Review of Artificial Intelligence based Information Security System”, RTFIT, HBTI Kanpur 2012.  
Co-authors: Harsh Vikram Singh.

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- 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.  
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- 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: Assem 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: Aseem 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: Aseem Chandel & Manoj Fozdar.
- 10 “Transient Performance Investigation of Vector Controlled Z-source Inverter fed Induction Motor Drive”, *Proc. National Conference on Excellence in Technology in Management, Gaziabad*, pp 98-103, 07-08, May, 2011.  
Co-authors: Neha Sharma, S. M. Tripathi, Bindeshwar Singh, and Pawan Kr Sen
- 11 “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
- 12 “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: Aseem Chandel & M Fozdar
- 13 “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
- 14 “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
- 15 “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

- 16** “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 & S P Singh
- 17** “A Review on Active Power Filter and its Control Techniques”, AICTE Sponsored *National Conference Computer Applications in Electrical Engineering: Recent Trends(CAEE-RT 11) at MITS Gwalior (MP)*, pp. 1-9, 16-17 Dec 2011.  
Co-authors: Satyaveer Gupt & S P Singh
- 18** “Performance Investigation of Shunt & Hybrid Active Power Filters for Power Quality Improvement”, *Proc. National Conference ETES-14 at MMMUT Gorakhpur*, pp. 68-70, ISBN 978-93-84224-07-3, March 28-29, 2014.  
Co-authors: Satyaveer Gupt & S P Singh
- 19** “Large Wind Power Generation Impact on Grid frequency Stabilization”, *National Conference Recent Advances in Electrical Engineering, MMMUT, Gorakhpur*, p. 41, April 25-26, 2015.  
Co-authors: S. M. Tripathi, A.N. Tiwari, Nistha Anand & A K Srivastava

## **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”, 2012 (Awarded)**
2. **Saurabh Mani Tripathi, KNIT Sultanpur on “Investigations on Grid Integrated PMSG based Wind Energy Conversion System”, 2016 (Awarded)**
3. **Chanda Rani Sutar, RRSMT Amethi on “Multiobjective Optimization Approach for Hybrid Distributed Generation”, 2020 (Submitted).**
4. Gaurav Sachan, BBDNITM Lucknow on “Integration of Non Conventional Energy to fulfill the Energy Need., Regd. 2015.
5. Dilip Kumar Patel, KNIT Sultanpur on “Impact Assessment of DG with Plug-in Electric Vehicles in Distribution System” Regd. 2019.
6. Vinod Kumar, Dronacharya IET, Noida on “Wavelet Parameter Selection Based Adaptive Fuzzy Inference System and Detection of Power Quality” Regd. 2019

### **M.TECH.**

1. Raj Kumar Singh on “Distributed Generation & Strategy for its location in Restructured Power System” June 2007
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” Jun 2008
4. Aseem Chandel on “Sizing & Location of Wind Generation in power systems using Dynamic Modeling” July 2008
5. Rahul Singh on “Placement of Combustion Generation in Power Systems using Dynamic Modeling” July 2008
6. Abhishek Mishra, “ Simulation of Hybrid power controller for hybridization of SPV panel with Grid” Oct 2008
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
11. Nupur Mittal "Simulation and Analysis of Flying Capacitor Multilevel Inverter FED Induction Motor Drive" Oct 2012
12. Shiddh Nath Singh "Minimization of Power Losses by Optimally placed DGs in Power Systems" Jan 2013
13. Priyanka Singh "An Adaptive Neuro-Fuzzy Inference System (ANFIS) controlled CSI-fed Induction Motor Drive, Feb. 2013
14. Satyaveer Gupta "Performance Investigation of Active Power Filters for Power Quality Improvement" Feb 2014
15. Sunil Kumar Singh "Modelling, Design and Control of Cockraft-Walton Voltage Multiplier" April 2015
16. Ashok Kumar "Enhancement of Voltage Profile in Distribution System by DGs with Realistic Load Model" July 2015
17. Janmejy Sharma "Optimal Sizing & Placement of Distributed Generation with Different Load Models for Improvement of System performances" May 2016
18. Vikas Gautam "Voltage Sag & Harmonics Mitigation Using Distributed Power Flow Controller" Sept 2017
19. Rajat Sachan "Improved Transformer-less Inverter with Common-mode Leakage Current Elimination for Photovoltaic Energy Conversion System" Sept 2017
20. Abhay Katyayan "Optimal Design of PID Controller for CSTR System using BF-PSO Algorithm" June 2018.
21. Rekhadeep "Performance Investigation of VSI FED Induction Motor Drive using Vector Controlled Technique" June 2018.
22. Arun Kumar Verma "Performance Investigation of Single-phase AC/DC Power factor Corrected Boost Converter for PHEV Battery Charger", June 2019
23. Amit Kumar "A Comparative Analysis of 5-level Diode-clamped and Cascaded H-bridge Multilevel Inverter", June 2019
24. Sandeep Kumar "Stability Improvement of Multi-machine Power System Network using STATCOM & UPFC", June 2019
25. Gaurav Kumar "Modified Hysteresis Current Controlled PMSM Drive", June 2019
26. Nahid Hina Khan "Analysis of D-STATCOM for Power Quality Enhancement in Distribution System", June 2019

## **Brief Description about Dr. Deependra Singh**

Name : PROF. DEEPENDRA SINGH  
Father's Name : SRI R. C. SACHAN  
Date of Birth : 06 - 07 -1977  
Address : Professor, Electrical Engineering Department,  
Kamla Nehru Institute of Technology,  
Sultanpur- 228118 (INDIA)  
Mobile : 09415156186

### **DETAILS OF QUALIFICATIONS**

- **Ph.D. Electrical (Power Systems) from UP 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.).**
- **B.Tech. Electrical Engineering, 1997, HBTI Kanpur.** Marks obtained **72.66 %.**
- **Intermediate, U.P. Board 1992,** Marks obtained **64.4%**
- **High school, U.P. Board 1990,** Marks obtained **79 % (Hons.)**

### **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.	Associate Professor(PB-IV)	-do-	Oct 2008-Sept 2014
4.	Professor (Level-14)	-do-	Oct 2014-till date.

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

### **EXPERIENCE**

(i) Total academic experience- 20 years

(ii) Total administrative experience- Over 10 years

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** in 2002-2009.
4. Worked as **Public Information Officer** in KNIT Sultanpur in 2009-2014.
5. Worked as **Officer-in-Charge Purchase** in KNIT Sultanpur in 2011-2014
6. Worked as **Registrar**, KNIT Sultanpur from 2010-2014.
7. Working as **Officer-in-Charge Dispensary** from July, 2014
8. Working as **Controller of Examination**, KNIT Sultanpur from Aug, 2014
9. Working as **Convenor KNIT New Paper “DRISHTICONE”** from July, 2011
10. Working as **Convenor TFT, “TEACH FOR TECHNOCRATS”** fully assisted by earn-while-learn scheme from July, 2009
11. Working as **Finance Coordinator**, TEQIP-II Project running in Institute fully assisted by **WBTEQIP Programme**.
12. Working as **Professor-In-Charge**, START-UP Cell, KNIT Sultanpur in session 2020-till date

### **TEACHING SUBJECT AREAS**

**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, High Voltage Engineering, Power Converters.

### **PUBLICATIONS**

Type of Publications	Journals		Conferences/Seminar*	
	Published	Under Review	Published	Under Review
<b>International</b>	30	-	11	-
<b>National</b>	5	-	19	-

### **PROJECT/THESIS SUPERVISED**

Degree Level	Completed	on progress
<b>Ph.D.</b>	02+01 (submitted)	03
<b>M.Tech</b>	26	02
<b>B.Tech</b>	37	02

### **ABROAD VISIT (for research competence upgradation)**

- 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".
- 3 Visited Bangkok, Thailand, during Sept. 28-30, 2011 to present a research paper in International Conference, "ICUE 2011".

### **PROFESSIONAL EXPERIENCE (Subject Knowledge and Academic Enhancement):**

1. Attended various Short term courses in areas of Electrical Engg, Professional Excellence and Human Values in IITs, NITs and NITTR Chandigarh.
2. Attended various International Conferences in areas of Electrical Engg.
3. Attended various National Conferences/Seminars/Workshops/Awareness Camps in area of Electrical Engg, Patents, Curriculum Development, Laboratory Teaching, E-Learning, Soft Computing applications, NPTEL Courses, Medical Sciences, Professional Excellence and Human Values in IITs, NITs & State Institutions.
4. Delivered Lectures/ Expert Talks in National Conferences/ Seminars/ Workshops in areas of Electrical Engg & Soft Computing applications.
5. Chaired Technical Sessions in International/National Conferences/ Seminars/ Workshops in areas of Electrical Engg & Soft Computing applications.
6. Participated as Member in Syllabus Design of B.Tech./M.Tech. courses in areas of Electrical Engg.
7. Participated in Laboratory Structure/Experiment Design of B.Tech./M.Tech. Courses in areas of Electrical Engg.
8. Contributed in various capacities in University Academic Support as Dy. Head Examiner and Head Examiner in Centralized Evaluation System in UP Technical University Lucknow, Dr RML Avadh University Faizabad, Dr BRA Agra University Agra etc.

### **MANAGERIAL EXPERIENCE(Management Capacity Enhancement):**

1. Organised various National Conferences/Seminars/Workshops/Training Courses/Awareness Camps in area of Electrical Engg, Laboratory Teaching, Soft Computing applications, NPTEL Courses, Medical Sciences.
2. Contributed in various Departmental levels as Officer-in-Charges in different research laboratories for upgradation & development.
3. Contributed in various capacities in Institute Administration as Cotroller of Examinations, Incharge START-UP Cell, Hostel Warden, Time Table Incharge, Institute Public Information Officer, Central Purchase Officer and Registrar of the Institute from 2001-2020.
4. Contributed in various capacities in University Academic Support as Question Papers Setter and Moderator in UP Technical University Lucknow, Dr RML Avadh University Faizabad, Dr BRA Agra University Agra, VBS Purvanchhal University Jaunpur, MTU Noida etc.
5. Contributed in various capacities in University Administration Support as Member in Affiliation Committees and Inspection Committees of UP Technical University Lucknow and MTU Noida

- etc.
6. Contributed as Dy Head Examiners/Head Examiners in areas of Electrical Engg in Centralized Evaluation System of UP Technical University Lucknow.
  7. Contributed as Coordinator Evaluation in KNIT Centre of Banaras Hindu University Varanasi.
  8. Contributed as Flying Squad Member and Flying Squad Group Leader in Centralized Examination System of UP Technical University Lucknow.
  9. Contributed in various capacities in Administration for **establishment of NEW GOVT ENGG COLLEGE at AMBEDKAR NAGAR** as Central Purchase Officer and Registrar of the Institute from 2012-2014.
  10. Working as Officer-In-Charge Dispensary in Institute from July 2014.
  11. Working as Controller of Examination of Institute from August 2014.
  12. Working as Convenor KNIT New Paper “DRISHTICONE” from July, 2011.
  13. Working as Convenor TFT, “TEACH FOR TECHNOCRATS” fully assisted by Earn-while-learn scheme from July, 2009
  14. Working as Finance Coordinator, TEQIP-II Project running in Institute fully assisted by WBTEQIP Programme.

### **MEMBER OF PROFESSIONAL BODY:**

1. Member IEEE (No. 91240996)
2. Member of Scientific & Technical Committee ( WASET, USA)
3. Member of International Association of Engineers(IAENG) (No. 189036)
4. Life Member, ISTE New Delhi (No. LM-117194)
5. Fellow Member, The Institution of Engineers (India) (IEI) (No. F-123114-2)

### **OUTCOMES OF ADMINISTRATIVE RESPONSIBILITY:**

1. Implemented Six Pay Commission for AICTE Teachers in Institute as per guidelines of AICTE/ UP Technical Education Department Gazette in Minimum time Frame.
2. Implemented ACP (Assured Career Promotion) Scheme for Non-Technical & Teaching Supporting Staffs in Institute in Minimum time Frame.
3. Disposed-off more than 50 legal cases of Institute related to promotion, pay problems, selection process problems.
4. Disposed-off almost all legal cases under RTI ACT-2005 related to demand of information's of Institute functioning in terms of selection, promotion, Implementation of Govt. orders, and personal information of staffs/employees of Institute.
5. Settled GIS (Group Insurance Scheme) related problems of all employees of the Institute.
6. Settled Pension related problems of various retired employees.
7. Organized meeting like BoG, Finance, Academic Committees etc for proper functioning of Institute.
8. Implemented new and good transparent practices in Establishment, Finance and Purchase sections for smooth & transparent functioning of the Institute.
9. Solved/Settled chronic LAND ISSUES of KNIT for construction of Hostels, Laboratories, Library and Class Rooms etc.
10. Conducted Selection Processes for regular selection of faculty, staff, W/S etc and promotion of existing faculties for healthy academic environment.
11. Prepared Road Map for development and smooth functioning of the Institute in terms of Human Resources, Class Rooms and Laboratories Up-gradation and Infrastructures.
12. Visited for discussions with leading persons of IITK, IITR, IIT BHU, MNNIT Allahabad, IIT

Allahabad, and RGPT Raibareilly, AIT Bangkok etc to solve establishment, mentoring and MOUs related activities.

13. Implemented new and good practices in Examination System of the Institute to attract the students towards Class Rooms study.
14. Organized various workshops/Programmes for Personality development of Students for enhancement of Placement, Health awareness, Spiritual Lectures and Mind Engineering.
15. Opened New Bank, Parag Booth, Shops for daily needs of students/staffs/ faculties for betterment of campus life.

(Deependra Singh)