

CURRICULUM VITAE



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Qualifications

Degree	Year	Univ./Board	CGPA/Percent
Ph.D. (Electrical Engg.)	2012-2016	MNIT JAIPUR	-
M.Tech. (Power Systems)	2010-2012	MNIT JAIPUR	7.36
B.E. (Elect. Engg.)	2005-2009	JECRC, Univ. Of Raj. Jaipur	72.85
XII	2003-2004	BSER, AJMER	78.31
X	2001-2002	BSER, AJMER	84.67

Teaching Experience : **Associate Professor, PIET Jaipur** **Two Year**
Assistant Professor, Dept. of EE, PIET, Jaipur **Six Years**
(Annexure-I)

Teaching & Research Experience : **Eight years**

Present Position : Assistant Professor(contract) TEQIP III
Deptt. of Elect. Engg., EC Ajmer

- **Conferences/Conventions & STTP Attended:** 8 & 7 (Annexure-II)
- **Research Publications:** (Annexure-III)

Publications	International Conferences/ Journals	National Conf./Seminars	Total
No. of Papers	7	7	14

Statement of Purpose:

From a small Town, I found my way to complete my B. E. in Electrical Engineering from JECRC Jaipur, University of Rajasthan, Jaipur in 2009 and started my Career as an Assistant Professor in Electrical Engineering Department. On August 5,2010 I selected for M.Tech. Program in Power Systems from Malaviya National Institute of Technology Jaipur (MNIT, Jaipur) in the area of Power Electronics and Drives, under the supervision of Prof. R.A. Gupta. After completion of M.Tech. I selected for Ph.D. Program in the same institute under the supervision of Prof. R.A. Gupta.

The broad areas of research include Power Electronics, Drives, Renewable Energy Sources and Microgrid issues.

Presently I am working as Assisstant Professor on contract through TEQIP III in Department of Electrical Engineering in Govt. Engineering College, Ajmer. Before joining this institute I was Associate Professor and HOD in Department of Electrical Engineering in Poornima Institute of Engineering and Technology, Jaipur. During Teaching I taught various courses of Power Electronics, Electrical Machine, Control Systems, Electric Drives and their control, Power System Analysis etc. at UG level. I also supervised a number of students for their minor and major project. I groom the students to complete their project in Latest Research Area. One of them is the SCADA based Grid Substation Model Design. This model is being kept in Electrical Engineering Department at APEX Institute of Engineering & Technology Jaipur and inspiring the students towards the latest research that may lead to overcome the severe problems related to Electrical Engineering field. I have also organized an IEEE international conference as a Track Co-chair in poornima University Jaipur.

Annexure-I

- **Main Area of Research:**

The broad areas of research include Power Electronics, Drives, Electrical Machines, Renewable Energy Sources and Power Quality. The research is mainly focused on Detection and classification techniques for Power Quality Disturbances, The Renewable Energy Sources for Electricity Generation.

- **Teaching:**

Teaching various courses of Power Electronics, Electrical Machine, Control Systems, Electric Drives and their control, Power System Analysis etc. at UG level. In addition to the Establishment of labs and designing of Lab Manuals, a Power Electronic Drives and Control Laboratory was also established in the Department **during 2009-2010** to carry out the UG/PG assignment & research work.

MAJOR RESPONSIBILITIES TAKEN EXCEPT TEACHING

NBA Working:

- ❖ Worked for NBA accreditation in MNIT Jaipur as student coordinator.
- ❖ Worked for NBA accreditation in PCE and PIET Jaipur as Program coordinator in Elect. Engg. Department.

Academic

- ❖ Guide about 25 students (about 5 projects) of Undergraduate level for their Minor/Major projects.
- ❖ Guide about 15-20 students for their Seminars on the latest topics.

Laboratories Establishment

- ❖ Machine Lab-II, Machine Lab-III, High Voltage Lab, Instrumentation Lab, Computer Lab, Power Electronics Lab in Poornima Institute of Engg. & Tech. Jaipur.

Counseling Activity

- ❖ Active member of RPET/AIEEE Counseling team for providing the guidance to the students.

Placement

- ❖ Groom the students for placements.
- ❖ Design & implement the schemes of Aptitude Test, Group Discussion & Mock Interviews for the Campus selection of Final year students in APEX and PIET Jaipur.

Annexure-II

Conferences, Seminar Attended:

1. Attended Technical Session in International Congress on Renewable Energy (ICORE-2010) Chandigarh, India, Dec, 01-03, 2010.
2. Attended Technical Session at MNRE Sponsored National Conference on 'Renewable Energy in Power System (REPS-2010)', at Rajasthan College of Engineering for Women, Jaipur, September 17-19, 2010.
3. Attended Technical Session in "Chandigarh Science Congress (CHASCON-2011)", Punjab University, Chandigarh, India Feb.,26-28, 2011.
4. Attended Technical Session at 4th National Conference on 'Recent trends in power system (RTPS-2011)' at Arya College of Engineering and Technology, Jaipur, April 2-3, 2011.
5. Attended Technical Session at National Conference on 'Recent trends in power system (RTPS-2011)' at SKIT Jaipur', May 14, 2011.
6. Attended Technical Session at National Conference on 'Renewable Energy in Power System (REPS-2011)', at Shrinathji Institute Of Technology, Nathdwara, June 25-26, 2011.
7. Attended Technical Session at National Seminar on 'Power Electronics Applications in Power System (PEAPS-2011)', at Swami Keshwanand Institute of Technology, Management & Gramothan, Jaipur, November 19-20,2011.
8. Attended Technical Session at National Conference on 'Recent Advancements in Power System (RAPS-2012)', at Vivekanand Institute of Technology, Jaipur, Feb. 04-05,2012.
9. Attended Technical Session and co-chaired a session in IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014).
10. Attended Technical Session at IEEE National Power System Conference (NPSC-2014), IIT Guwahati, India.

Short Term Training Program (STTP) Attended:

1. Attended a Short Term Course on "Power System Restructuring and Electricity Market", MNIT Jaipur, Dec., 19 – Dec. 23, 2011.
2. Attended a Short Term Course on "Smart Grid Technologies", MNIT Jaipur, May 14 – May 18, 2012.
3. Participated in two day work shop on "Planning and Implementation of Solar PV Plants" from Dec. 10 -11, 2012 at MNIT Jaipur.
4. Participated in short-term course on "Power Management and Smart Technologies" from Feb. 21 -25, 2013 at MNIT Jaipur.
5. Participated in organizing and participated in a short-term course on 'Power System Operation and Control' from Mar. 7-11, 2013 at MNIT, Jaipur.
6. Participated in organizing and participated in a short-term course on 'Emerging Technology for Power System Operation & Energy Management' from June. 17-23, 2013 at MNIT, Jaipur.
7. Participated in organizing and participated in one week faculty development programme on 'Real Time Implementation of Power Electronics Technologies' from June. 24-28, 2013 at MNIT, Jaipur.

List of Research Publications:

CONFERENCE/JOURNAL PAPERS

1. R. A. Gupta and Nandkishor Gupta “A Robust Optimization Based Approach for Microgrid Operation in Deregulated Environment” in Energy Conversion and Management, Elsevier vol.93, pp 121-131,2015. (SCI Journal)
2. R. A. Gupta and Nandkishor Gupta “ Generation Scheduling at PCC in Grid Connected Microgrid” *IEEE* International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014), pp. 1-5, 2014.
3. R. A. Gupta and Nandkishor Gupta “Robust Microgrid Operation Considering Renewable Power Uncertainties” in IEEE National Power System Conference (NPSC-2014), IIT Guwahati, India pp. 1-5, 2014.
4. R. A. Gupta, N.K. Gupta, B. B. Jain, “Interconnection of Microgrid with Electric Power System”, International Conference on “Advance Research & Innovation in Engineering & Technology (ICARIET’15), pp. 306-310, 2015.
5. Nandkishor Gupta, Mahendra Pratap Singh & Manish Gupta, “Green Energy : The Energy of Universe” proceeding of International Congress on Renewable Energy (ICORE 2010), December 1-2, 2010, Chandigarh 2010.
6. Prof. R.A.Gupta, P. K.Bhatt & Nandkishor Gupta, “Detection And Classification Of Power Quality Disturbances” Proceeding of National Conference on Recent Advancements in Power System (RAPS-2012), pp. 31-35, 2012.
7. Prof. R.A.Gupta, P. K.Bhatt & Nandkishor Gupta, “Switch Mode Power Supply With High Efficiency & High Input Power Factor” National Seminar on Power Electronics Applications in Power System (PEAPS-2011), November 19-20,2011 at Swami Keshwanand Institute of Technology, Management & Gramothan, Jaipur.
8. Nandkishor Gupta, Sunil Agarawal & Jitendra Singh, “An Overview: Renewable Energy Sources” proceeding of National Conference on Renewable Energy in Power System (REPS-2011), at Shrinathji Institute Of Technology, Nathdwara.
9. Nandkishor Gupta, Sunil Agarawal & Ravi Hada, “Superconductor Power Applications” proceeding of National Conference on Recent trends in power system RTPS-2011 at SKIT Jaipur.
10. Nandkishor Gupta, Sunil Agarawal & Rajendra Singh, “Optimal Capacitor Placement in Radial Distribution System” proceeding of 4th National Conference on Recent trends in power system RTPS-2011 at Arya College of Engineering and Technology, Jaipur.

11. Nandkishor Gupta, Mahendra Pratap Singh & Manish Gupta, “Future Aspects of Green Energy” proceeding of Chandigarh Science Congress CHSCON-2011 at Punjab University, Chandigarh.
12. Nandkishor Gupta, Mahendra Pratap Singh & Prashant Kumar, “Deployment of Green Energy Sources” proceeding of MNRE Sponsored National Conference on Renewable Energy in Power System (REPS-2010), September 17-19, 2010 at Rajasthan College of Engineering for Women, Jaipur.
13. R. A. Gupta and Nandkishor Gupta “A Robust Approach for Microgrid Operation considering Network Constraint ” under review for Electric Power System Research, Elsevier.
14. R. A. Gupta and Nandkishor Gupta “Microgrid Operation Management considering Solar and Wind power Uncertainties ” under review for Energy Conversion and Management, Elsevier.