



**Dr. K. S. Verma**

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**Pay Band** : Rs.37400-67000 AGP 10000/- Level 14

**Date of Birth** : April 03, 1966

**Permanent Address** : House No-152, In-front of KNIT Gate  
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**Gender** : Male

**Marital Status** : Married

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**Area of Teaching and Research Interest**

- Power Systems
- Power Quality
- Flexible AC Transmission Systems
- Planning and Operation of Distributed Generation,
- Modeling & Simulation of Power Systems

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**Educational Qualification**

**Annexures (1-6)**

**1980** First Class in **High School** Examination of UP Board with 78% (Hons.)

**1982** First Class in Intermediate Examination of UP Board with 64.4%.

**1987** First Class with (78.1%) Hons. in the **B. Tech in Electrical Engineering** from KNIT Sultanpur, Dr. Ram Manohar Lohia (Avadh) University, Faizabad (U. P.)

**1998** First Class with 74.1 % in the **M. Tech in Electrical Engineering** with Spec. In Power System from KNIT Sultanpur, Dr RML (Avadh) University Faizabad.  
*Topic: Effect of series and shunt compensation on static voltage stability.*

**2003** **Ph.D in Electrical Engineering** from Indian Institute of Technology, Roorkee, Roorkee.  
*Topic: Optimal Transmission Dispatch using FACTS devices in Open Power Market*

**Professional Experience:**

Sr. No	Nature of Job	Pay Scale	Duration	Experience
1.	Teaching Assistant	1000.00 fixed	22.08.1987-13.12.1988	1 Year 04 Month
2.	Lecturer ( Ad-hoc)	700-1600	14.12.1988 -06.08.1989	0 Year 08 Month
3.	Lecturer	2200-4000	07.08.1989 -31.12.1995	6 Year 05 Month
4.	Lecturer (Sr. Scale)	10000-15200	01.01.1996 -31.12.2000	4 Year 05 Month
5.	Assistant Professor	12000-18300	01.01.2001 - 20.10.2008	7Year 09 Month
6.	Professor	16400-22400 (Revised)	21.10.2008 – Till Now	12Year05 Month
<b>Total</b>				<b>33 Years (Approx.)</b>

**Administrative Experience:**

Sr. No	Nature of Job	Pay Scale	Duration	Experience
1.	Head EED, KNIT	37400-67000/- AGP 10000	15.07.2009 - 29.01.2010	00 Y 06 M 14 D
2.	Director KNIT, Sultanpur	37400-67000/-AGP 10000 (Additional Rs.3000/-)	30.01.2010- 28.10.2014	04 Y 08 M 24 D
3.	Principal(Acting) MKRECIT AMBD	37400-67000/-AGP 10000 (Additional Rs.3000/-)	30.01.2010- 28.10.2014	04 Y 08 M 24 D
4.	Director REC, Ambedkarnagr	37400-67000/-AGP 10000 (Additional Rs.3000/-)	15.01.2015- 14.01.2018	03 Y 00 M 00 D
<b>Total</b>				<b>08Y 03M 08 D</b>

**Publications**

Type of Publications	Journals		Conferences/Seminar*	
	Published	Under Review	Published	Under Review
<b>International</b>	57	05	26	4
<b>National</b>	07	00	08	0

**Project/Thesis Supervised**

	Completed	Ongoing
Ph. D	06	06
M. Tech	24	02

**Patent Published**

- 1- Kumar Gautam, A. Tariq M, Pandey J P, Verma K S, “ Smart E-Rickshaw Powered by Solar PV with MPPT Technique and Controlled by Intelligent positioning system,” Australian Journal of Patents, Vol 35/29, 22-07-2021.

## LIST OF JOURNAL PUBLICATIONS

### Journals indexed in SCI/SCIE/SCOPUS

1. K. S. Verma, and H. O. Gupta, "Impact on real and reactive power in open power market using Unified Power Flow Controller" *IEEE Transaction on Power Systems*, vol 27, Jan 2006, pp. 365-371[SCIE/UGC-CARE/Web of Science]  
<https://doi.org/10.1109/TPWRS.2005.857829>.
2. K. S. Verma, S. N. Singh, and H. O. Gupta, "Location of Unified Power Flow Controller for Congestion Management", *Electric Power Systems Research*, vol. 58, no.2, June 2001, pp. 89-96 [SCIE/UGC-CARE/Web of Science]  
[https://doi.org/10.1016/S0378-7796\(01\)00123-7](https://doi.org/10.1016/S0378-7796(01)00123-7).
3. Deependra Singh, Devender Singh, & K. S. Verma, "Multi-objective optimization for DG planning with load models", *IEEE Transaction on Power Systems*, vol.24, no.1, Feb 2009, pp 427-436[SCIE/UGC-CARE/Web of Science]  
<https://doi.org/10.1109/TPWRS.2008.2009483>.
4. Deependra Singh, Devender Singh, and K. S. Verma, "GA based Energy Loss Minimization Approach for Optimal Sizing and placement of Distributed Generation", *International Journal of Knowledge-based & Engineering Intelligent Systems*, vol.12, no.2, pp 147-156, 2008[SCOPUS/ESCI/UGC-CARE/Web of Science]  
<https://doi.org/10.3233/KES-2008-12206>.
5. Saxena, D., Singh, S.N., Verma, K.S. and K. Singh, S. (2014), "HHT-based classification of composite power quality events", *International Journal of Energy Sector Management*, Vol. 8 No. 2, pp. 146-159. [ESCI/Web of Science/UGC-CARE]  
<https://doi.org/10.1108/IJESM-02-2013-0001>
6. S. Singh, Anurag Tripathi and K.S. Verma, "A New Technique to Implement SVC in Optimal Power Flow", *ARNP Journal of Engineering and applied Sciences*, vol. 6, no.5, May 2011[SCOPUS/UGC-CARE]ISSN:1819-6608.
7. S. Singh and K.S. Verma, "A New Method to Incorporate TCSC in Optimal Power Flow using Genetic Algorithm", *ARNP Journal of Engineering and applied Sciences*, vol. 6, no.7, July 2011[SCOPUS/UGC-CARE] ISSN: 1816-94X.
8. Chandarani Sutar, Deependra Singh, Kripa Shanker Verma, "Multi-Criteria optimization of a Hybrid Renewable Energy for Standalone Electrification" *International journal of advanced science and technology*, 15 Nov19 Vol 28, No 15 [SCOPUS/UGC-CARE] ISSN: 2005-4238.
9. Jaswant Singh, S P Singh, K S Verma, etal , "Comparision of Controllers used in Fuel Cell for power conditioning,"Vol 63 No 4 (2020) / Articles [SCOPUS/UGC-CARE]  
[www.solidstatetechnology.us/inde](http://www.solidstatetechnology.us/inde)

10. Chandarani Sutar, Deependra Singh, Kripa Shanker Verma, “Techno Economic Analysis and optimal planning of Hybrid Renewable Energy Systems,” International Journal of Innovative Technology and Exploring Engineering (IJITEE)ISSN: 2278-3075, Volume-15 Issue-5, December 2020<http://dx.doi.org/10.36478/jeasci.2020.1158.1164>.
11. [Gautam, Abhinav K.](#), [Tariq, Mohd](#) | [Verma, Kripa Shankar](#), [Pandey, Jai Prakash](#), An intelligent BWO algorithm-based maximum power extraction from solar-PV-powered BLDC motor-driven light electric vehicles,” [Journal of Intelligent & Fuzzy Systems](#), vol. Pre-press, no. Pre-press, pp. 1-11, 2021, SCIE, <https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs189747>
12. [Gautam, Abhinav K.](#) | [Tariq, Mohd](#) | [Pandey, Jai Prakash](#) | [Verma, Kripa Shankar](#), Optimal power management strategy of regenerative braking using fuzzy logic controller for BLDC Motor-Driven E-Rickshaw,” [Journal of Intelligent & Fuzzy Systems](#), vol. Pre-press, no. Pre-press, pp. 1-10, 2021, SCIE, <https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs189774>
13. Jaswant Singh, Surya Prakash Singh, Kripa Shanker Verma, Arif Iqbal, Bhavnesh Kumar, “Recent control techniques and management of AC microgrids: A critical review on issues, strategies, and future trends” Int Trans Electr Energ Syst.2021, wileyonlinelibrary.com/journal/etep © 2021, Accepted: 3 July 2021, <http://doi.org/10.1002/2050-7038.13035>.
14. Vijay Laxmi Mishra, Yogesh K Chauhan, K S Verma, “A novel PV array reconfiguration approach to mitigate non-uniform irradiation effect,” [Energy Conversion and Management](#), Volume 265, 1 August 2022, 115728. <https://doi.org/10.1016/j.enconman.2022.115728>

## **Conference proceedings indexed in SCI/SCIE/ SCOPUS**

1. S. N. Singh, K. S. Verma, and H. O. Gupta, “Optimal Power Flow Control in Open Power Market Using Unified Power Flow Controller”, IEEE Proceedings, IEEE PES Summer meeting, 2001, pp 1698-1703 [SCIE/UGC-CARE/Web of Science]<https://doi.org/10.1109/PSS.2001.970331>.
2. K. S. Verma, S. N. Singh and H. O. Gupta, “FACTS Device location for enhancement of total transfer capability”, IEEE Proceedings, IEEE PES Winter Meeting, 2001, pp 522-527[SCIE/UGC-CARE/Web of Science].
3. Varma, C.P., Verma, K.S., Singh, S., Optimization Models for Integrated Renewable Energy Source in International Conference on Electrical and Electronics Engineering, ICE3 2020, 2020, pp. 124–130, 9122820[SCOPUS/UGC-CARE/Web of Science]<https://doi.org/10.1109/ICE348803.2020.9122820>.
4. Gautam, A.K., Singh, B., Pandey, J.P., ...Singh, D., Kumar, P., Simulation Analysis of Protection for Power System Networks by Non Super Conducting Fault Current Limiter in International Conference on Electrical and Electronics Engineering, ICE3 2020, 2020, pp. 338–344, 9122907[SCOPUS/UGC-CARE/Web of Science]<https://doi.org/10.1109/ICE348803.2020.9122907>.
5. Jitendra Dwivedi, M. Shukla, K.S. Verma, and R.K. Singh, A Novel Technique for Indication of Power Frequency Deviations in Electrical Systems in Power Electronics, and Instrumentation Engineering. Communications in Computer and Information Science.

6. Deependra Singh; Devender Singh; K. S. Verma, Comparative analysis for penetration of distributed generation in power systems Published in: 2008 IEEE International Conference on Sustainable Energy Technologies, 10.1109/ICSET.2008.4747202[SCOPUS/UGC-CARE/Web of Science]<https://doi.org/10.1109/ICSET.2008.4747202>.
7. Bindeshwar Singh, N K Sharma, A N Tiwari & K S Verma, “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[SCOPUS/UGC-CARE]<https://doi.org/10.1049/CP.2011.0328>.
8. Deependra Singh, K S Verma, “GA based Congestion Management in Deregulated Power System using FACTS Devices”, Energy and Sustainable Development: International Conference ICUE 2011 at Pattaya City, Bangkok, 28-30 Sept, 2011[SCOUPS/UGC-CARE]<https://doi.org/10.1109/ICUEPES.2011.6497716>.
9. Chandarani Sutar, KS Verma and Ajay Shekhar Pandey, “Wide Area Measurement and Control Using Phasor Measurement Unit in Smart Grid” IJCA Proceedings on International Conference in Computational Intelligence (ICCIA2012), March 2012. Published by Foundation of Computer Science, New York, USA [SCOPUS/UGC-CARE]<https://doi.org/10.1109/ICPCES.2012.6508076>.
10. D. Saxena, S. N. Singh, and K.S. Verma, “Analysis of Composite Power Quality Events Using S-Transform” IEEE Power & Energy Society Innovative Smart Grid Technologies” Asia (ISGT-ASIA 2012) Conference by IEEE at Tianjin, China / 1-7 / 2012[SCOPUS/UGC-CARE]<https://doi.org/10.1109/ISGT-ASIA.2012.6303357>.
11. Sarika Shrivastava, Anurag Tripathi, K.S. Verma, “Reduction in Total Harmonic Distortion by Implementing Multi-Level Inverter Technology in Grid Integrated DFIG”, IEEE International Conference on CCIS-15[SCOPUS/UGC-CARE]<https://doi.org/10.1109/CCINTELS.2015.7437966>.
12. Imran Khan, K. S. Verma, Balgopal, “Static Synchronous Compensator (STATCOM) using FCMLI–A devices for power system security and efficiency Enhancement” IEEE sponsored International Conference ICCET 2011, Organized By National College of Engineering Maruthakulam, Tirunelveli, Tamilnadu, PP no.444-449,18-19 March 2011[SCOPUS/UGC-CARE] <https://doi.org/10.1109/ICCET.2011.5762516>.
13. Abhinav K. Gautam, R. K. Chauhan, J. P. Pandey, K. S. Verma, “A Survey on Solar Power for Present and Future Perspective in Indian Market, Renewable Power for Sustainable Growth Proceedings of International Conference on Renewal Power (ICRP 2020), 2021 [SCOPUS/UGC-CARE] [https://link.springer.com/chapter/10.1007%2F978-981-33-4080-0\\_12](https://link.springer.com/chapter/10.1007%2F978-981-33-4080-0_12)

## **List of Referred/peer-reviewed Journals.**

1. D. Saxena, K.S. Verma, and S.N. Singh, “Power Quality Event FACTS: An Overview and Key Issues”, *International Journal OF Engineering, Scienceand Technology*, vol. 2, no. 2, 2010, pp. 187-200.

2. D. Saxena, K. S. Verma, "Wavelet Transform Based Power Quality Events Classification Using Artificial Neural Network and SVM", *International Journal of Engineering, Science and Technology*, vol. 4, no. 1, 2012, pp. 87-96.
3. Deependra Singh, Devender Singh, and K. S. Verma, "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.
4. D. Saxena, K.S. Verma, and S.N. Singh, "Application of computational intelligence in emerging power systems" *International Journal of Engineering, Science and Technology*, vol. 2, no. 2, 2010, pp. 01-07
5. Prof S. N Singh and Prof KS Verma," Editorial" INTERNATIONAL JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY,VOL. 2, NO. 2, 2010, PP. I
6. L.U. B. Panday, and K. S. Verma, "Visionfor Smart Campus Engineering Colleges" *The Indian Journalof Technical Education*,vol. 33, no.3,Sep. 2010, pp 70-76.
7. B. Singh, K. S. Verma, and S. N. Singh, "Applications of PMU in Power Systems with Facts Controllers," *IJSET, DENMARK*, vol.3, Issue. 3, 2011
8. C. R. Sutar, K. S. Verma, and A. V. Singh, "Next Generation Monitoring, Analysis and Control for the future Smart Control Centre," *International Journal of Electrical, Electronics and Computer Systems (IJEECS)*, Vol. 1, Issue 2, April 2011.
9. Deependra Singh, K. S. Verma,& S. N. Singh, "Changing Scenario of Electric Power Injection: Generation Side to Load Side" Article-Electrical India magazine, Chary publications Pvt. Ltd Mumbai.
10. D. Saxena,S. N. Singh, K. S. Verma, "Wavelet Based De-noising of Power Quality Events for Characterization",*International Journal of Engineering, Science and Technology*, vol. 3, no. 3, 2011, pp.119-132
11. Bindeshwar Singh, N. K. Sharma, A. N. Tiwari, & K. S. Verma, "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.
12. Pawan Kumar Sen, Neha Sharma, Ankit Kumar Srivastava, Dinesh Kumar, and K S Verma, "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.
13. Pawan Kumar Sen, Neha Sharma, Ankit Kumar Srivastava, Dinesh Kumar and K. S. Verma "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.
14. D. N. Srivastava, Deependra Singh & K. S. Verma "Need of Energy Conservation: Power to All", *ISST Journal of Mechanical Engineering (IJME)* Vol.-1 No-2, July-Dec-2010
15. Nupur Mittal, S. P. Singh, D Singh, K S Verma, "Multilevel Inverter and its Control Strategies: A Comprehensive Review" in *International Journal of Material Science and Electronic Research (IJSMER)*, vol. 3, no.2, pp.215-234, July-Dec., 2012.
16. C R Sutar, K S Verma, "Application of Synchronized phasor measurement unit in smart Grid" *Journal of Information, Knowledge and Research in Electrical Engineering*, Issue 02, vol 01, pp 44-49, 2011
17. D. Saxena, Sayak Bhaumik, S.N. Singh, and K.S.Verma, "Optimal Placement of Power Quality Monitors",*Journal of CPRI*, vol. 7, 2011, pp. 199-208
18. Sarika Srivastava, Anurag Tripathi, K. S. Verma, "Reduction in DC-Voltage Fluctuation Using PI Controller In DFIG-Based Wind Energy Converters Under Normal and Fault Conditions", *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 3 Issue 5, 2014
19. Sarika Shrivastava, Anurag Tripathi,K. S. Verma, "Reactive Power Control of DFIG Wind Turbine Integrated with Grid Under Symmetrical and Unsymmetrical Fault

- Conditions”*International Journal of Electrical Engineering*, vol. 8, no. 1 2015, pp. 39-46, 2015. ISSN. 0974-2158
20. Sarika Shrivastava, Anurag Tripathi, K.S. Verma, “Control Strategy for Total Harmonic Distortion Reduction in Generated Voltage for Grid Connected DFIG under Symmetrical & Unsymmetrical Fault Conditions”,*International Journal of Scientific & Engineering Research*, vol. 6, Iss.5, 2015.
  21. Sarika Shrivastava, Anurag Tripathi K.S. Verma,” Power Quality Improvement in Grid Integrated DFIG using Multi-Level Inverter”, *Elixir International Journal, Elec. Engg.* 83, 33275-33279, 2015.
  22. Ritul Agrawal, Imran Khan, K S Verma, Bal Gopal, “Margin Computational Method-A Method to Compute Margins Of Electrical Power System Security”,*VSRD International Journal Of Electrical, Electronics & Communication Engineering*, vol.1(1), pp. 1-12, March 2011.
  23. Imran Khan, M. A. Mallick, K. S. Verma, Faheemullah, “Implementation of Margin Sensitivity Methods In Indian Power System”, *International Journal of Engineering Research and Applications (IJERA)*, pp. 31-37, June 2013.
  24. Imran Khan, M. A. Mallick , K. S. Verma , Faheemullah, “Optimal Placement of FACTS Controller Scheme For Enhancement of Power System Security In Indian Scenario”, *Journal of Electrical Systems and Information Technology*”, Vol. 2, Issue 2, Sep. 2015, pp. 161-171
  25. S. Singh and K.S. Verma, “Optimal Power Flow using Genetic Algorithm and Particle Swarm Optimization, *IOSR Journal of Engineering*, vol.2, Jan 2012, pp. 044-49.
  26. Satyendra Singh, K. S. Verma, “Artificial Intelligence Techniques for Multi Objective Optimum Power Flow with Valve Point Loading Incorporating SVC” *Journal of Engineering*, vol.4, Issue 6 June 2015.
  27. Nikhil Mishra, Ankit Dixit, S.M.Tripathi and K S Verma, “A Survey on Slip Power Recovery Drives”*Journal of Natural and Physical Sciences*, Vol 24, No.1, pp- 21-28 (2011).
  28. Sandeep Kumar, Deependra Singh, K. S. Verma, “Stability Improvement of Multi-Machine Power System Network using STATCOM & UPFC, *International Journal for Research in Applied Science & Engineering Technology*, vol. 7, Iss. X, Oct 2019, ISSN: 2321-9653.
  29. Arun Kumar Verma, Deependra Singh, K. S. Verma, “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*, vol.7, Iss. X, Oct. 2019.
  30. S. P. Singh, Krishna Kumar Singh, K. S. Verma, Jaswant Singh, and Naveen Tiwari, “A Review on Control of a Brushless DC Motor Drive”, *International Journal on Future Revolution in Computer Science & Communication Engineering*, vol. 4 Issue. 1 pp. 82-97, Jan. 2018[UGC-CARE].
  31. B. Singh, K S Verma, deependra Singh, “Incorporation of Facts Controllers in Multi Machine Power Systems for Enhancement of Damping Ratio and Voltage Stability” *International Journal of Computer Science and Engineering*, vol. 5, Issue 3, 2010[UGC-CARE].

## **LIST OF PUBLICATION IN CONFERENCES / SEMINARS**

1. K. S. Verma, R. P. Payasi and T. N. Shukla, “Comparative study of Series and Shunt Compensation for Enhancement of Power Transfer Capability and Static Voltage Stability”*Proc. of the 14<sup>th</sup> national convention of electrical engineers*, IIT Kanpur, Dec 1999.
2. S. N. Singh, Sachchidanand, G. K. Dubey, and K. S. Verma, “State Space Representation

- of a Pulse Width Modulated GTO Converter for Dynamic Simulation”, *Proc. of International Conference on Power System Technology*, Beijing, China, Oct.1994, pp.979-983.
3. K. S. Verma, R. P. Pyasi, and T. N. Shukla, “Effect of series and shunt compensation on static voltage stability”, *Proc. of 10<sup>th</sup> National Power System Conference, NPSC-98, Baroda*, pp. 41-45.
  4. K. S. Verma, A. S. Pandey and R Mohanty, “Reactive Power Control for Static Voltage Stability Enhancement at weak Bus in Power System Network using and Series and Shunt Compensation-A Comparative Study”, *Proc. of The Seminar Electric Energy System Management- Indian Scenario*, IIT Roorkee 1998, pp. 106-110.
  5. K. G. Upadhyay, K. S. Verma and S. N. Singh, “Restoration Problem - Key Issues and Constraints”, *National conference on Trends in Industrial Electronics, Transducers, Controls and Communication(TIET.COM 2000)*, Patiala, November 14-15, 2000.
  6. K. S. Verma, H. O. Gupta and S. N. Singh, “Power Flow Control Using UPFC in Open Power Market”, *Proceeding Cigre Regional Meeting*, Nov 2001, New Delhi
  7. K. S. Verma, H. O. Gupta and S. N. Singh, “Location of UPFC for Power Systems’ Security in Deregulated Environment” *Proc. of International conference “EAIT-2001”* Dec 2001, IIT Kharagpur, pp-149-154.
  8. K. S. Verma, S. N Singh and H. O. Gupta, “FACTS in Open Power Market: An Overview and Key Issus”, *CERA-01*, IIT Roorkee, Feb 21-23 2002
  9. K. S. Verma, S. N. Singh and H. O. Gupta, “Technical Challenges in computing Available Transfer Capability in Open Access”, *Proceeding of International Conference CERA-01*, IIT Roorkee, Feb 21-23, 2002
  10. K. S. Verma and H. O. Gupta, “Enhancement of ATC using UPFC in open power market” *NPSC, I.I.T Kharagpur*, December 2002, pp. 463-467.
  11. K. S. Verma and H. O. Gupta, “Modeling of different FACTS controllers for power system studies”, *Workshop 2003, Conference on Modern Trends on High Voltage and Power System Engineering*, July 7-8, 2003, JEC Jabalpur
  12. K. S. Verma, D. Singh and H.O.Gupta, “Enhancement of transmission line capability using FACTS devices” *Seminar on Innovative Techniques for Design, Construction, Maintenance and Renovation of Transmission Lines*,5-6 Feb. 2004, New Delhi, pp.1-8.
  13. K.S. Verma, A.Kumar D.K. Tiwari, Hekaito Assumi, Ritesh Anand and Saurabh Awasthi, “Power Flow Control Using Unified Power Flow Controller”, *Proceeding of International Conference PEITSICON 2005*,at Science city Kolkata, Jan 28-29,2005, pp. 505-509.
  14. Deependra Singh, K.S.Verma and Devendra Singh, “Distributed Generation in deregulated environment:An Overview and Key Issues”*Proceedings of National Conference at Patiyala, PETEM05*,January 28-29,2005, pp. 183-185.
  15. Satendra Singh, K.S.Verma, “Direct Load Flow Control Using UPFC in open Power Market”*Proceedings of National Conference at MMMEC Gorakhpur(EPTIMITA06)*, Feb. 17-18, 2006.
  16. Deependra Singh, D. Singh & K.S.Verma, “Power flow control using Generalized Unified Power Flow Controller,”*Proceedings of National Conference at MMMEC Gorakhpur (EPTIMITA 06)*, Feb. 17-18, 2006.
  17. Deependra Singh, D. Singh,J. P. Pandey & K.S.Verma, “Distributed Generation and Its Location in Open Power Market”*Proceeding of International Conference Challenges and Strategies for Sustainable Energy Efficiency and Environment-2006*, U. P.T.U, Lucknow, pp. 330-340.
  18. Deependra Singh, Devender Singh, K.S.Verma,“GA based optimal sizing and placement of Distributed generation for loss minimization,” *Proceeding of International conference WASET 26, CESSE 2007*, Dec 14-16, 2007, Bangkok Thailand.
  19. Deependra Singh, K S Verma, J. P. Pandey and D. S. Pundhir, “Practibility of prepaid energy meter: An Indian Perspective” *All India seminar Energy Management an Indian*



- Perspective, Institution of Engineers Local chapter Lucknow, October 17-19,2008.*
20. Deependra Singh, K S Verma, “Distributed power generation: energy solution for 3g” *NCERU 09*, EED, KNIT Sultanpur, Feb 27-28, 2009, pp 044
  21. Aseem Chandel , Deependra Singh and K.S Verma, “Dynamic Modeling of Wind turbine Generator -An approach” *NCERU 09*, EED, KNIT Sultanpur, Feb 27-28, 2009, pp 043.
  22. D. Saxena, S.N. Singh, and K.S. Verma, “Characterization of Power Quality Events Using Wavelet Transform”,National Conference on Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), 25-26 March 2011 pp.
  23. D. Saxena, S.N. Singh, and K.S. Verma, “Denoising of Power Quality using Wavelets” *National Conference on Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011)*, 25-26 March 2011 pp.
  24. Nupur Mittal, Dr. K.S. Verma, Deependra Singh, S.P. Singh, “Multilevel Inverter : A Literature Survey On Topologies And Modulation Strategies,” *IEEE Students Conference on Engineering and Systems SCES2012, MNNIT Allahabad.*
  25. Ravindra Kumar, Surya Prakash Singh, K. S. Verma, and Bindeshwar Singh, “Power quality problem as Voltage Sag: An Overview and Key Issues”, *National conference 'ETEEE'*,Nov 26-27, 2011, EED KNIT, Sultanpur
  26. Deependra Singh, Devender Singh, R K Misra & K S Verma, “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.
  27. Bindeshwar Singh, S N Singh, K S Verma & Shah Alam Malik “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.
  28. Nupur Mittal, S. P. Singh, D. Singh, K. S. Verma., “Multilevel Inverter: A Literature survey topologies and Control Strategies”,in *2<sup>nd</sup> International Conference on Power Control and Embedded System (ICPCES 2012)*,17<sup>th</sup>-19<sup>th</sup> Dec, 2012, MNNIT Allahabad, U.P.
  29. D. Saxena, S.N. Singh, and K.S. Verma, “Comparison of Hilbert-Huang Transform and Wavelet Transform for Analysis of Composite Power Quality Events”*All India Seminar on Recent Techniques and Future of Information Technology (RTFIT-2012)* by HBTI Kanpur at H.B.T.I. East Campus, Kanpur / 1-7 / 2012
  30. Chandarani, K. S. Verma and Deependra Singh, “Smart Grid approach for Wide Area Measurement Protection and Control Applications”*2<sup>nd</sup> National Power and Energy System Conference*, April 10-11, 2015, EED KNIT Sultanpur.
  31. Imran Khan,K. S. Verma,Balgopal, “STATICSynchronous Compensator (STATCOM) using FCMLI”,*International Conference on “Modeling of Engineering & Technology Problems*,organized By BMAS College, Keetham, Agra on, pp no.124-131, 14-16 January 2009.
  32. Chanda Rani, Deependra Singh, K S Verma, Sarika Srivastava, “Reduction in global warming effect using multi optimization of hybrid renewable energy system”, *National Conference on emerging Trends in science, Technology and Management (ETSTM-2018)* Nov 2-3, 2018, pp 24-26

## **EDITOR / REVIEWER OF BOOKS AND JOURNALS**

1. International Journal of Power and Energy Conversion (IJPEC)  
ISSN (Online): 1757-1162 - ISSN (Print): 1757-1154
2. “IEEE Transactions of Power Systems”
3. Book “Utilization of Electrical Energy” Pearson Education, Chennai, 2009
4. Guest Editor of International Journal of Engineering Science and Technology, IJEST
5. Reviewer of The Institution of Engineers (India)

## **SUMMER/ WINTER COURSES ATTENDED**

1. Short-Term Course on Artificial Neural Network application to Power Systems at I I T Kanpur during June 14-19, 1993.
2. Winter Course on Active Filters for Improving Power Quality at REC Rourkela during 22 Dec-3<sup>rd</sup> Jan 1998.
3. Course on Voltage Security and Stability Assessment using Artificial Neural Networks at UOR Roorkee during June 11- June 25, 1998.
4. Course on Educational Technology for Excellence in Teaching at QIP Centre IIT Roorkee during June 20 to July 4 2002.
5. Short term Course on Restructuring and Financing of Power Sector at I I T Kanpur during December 26-30, 2001.
6. Course on Human Values and Professional Ethics at QIP Centre during 18-22 March 2002.
7. Attended course on e-learning at KNIT Sultanpur during July 15, 2008 to July 31, 2008.
8. Attended two days Training Programme on “Journey to Excellence in a Technical Institute” during March 6-7, 2009 at K N I T Sultanpur.
9. Attended one day DST-SERC Workshop on “Smart Energy Delivery Systems” at IIT Kanpur Jan 15,2010.
10. Seminar on “Nuclear Technology: A holistic Solution for Progress” September 16, 2014.

## **CONFERENCES/ SEMINARS/ WORKSHOPS ATTENDED**

1. 10<sup>th</sup> National Power System Conference, NPSC98, Baroda, Dec 1998.
2. Seminar electric energy system management- Indian scenario, IIT Roorkee 1998.
3. 14<sup>th</sup> national convention of electrical engineers, IIT Kanpur, Dec 1999.
4. Cigre Regional Meeting, Nov 2001, New Delhi.
5. International conference “EAIT-2001” Dec 2001, IIT Kharagpur.
6. International Conference CERA-01, I I T Roorkee, Feb 21-23 2002.
7. National Conference on Creating and Friendly Environment for Education and Training of the Handicapped in Technical Institution, Dec 18-19, 1999, UOR Roorkee.
8. Conference on Human Values in Technical Education March 11 2002 at IIT Roorkee.
9. Attended and presented the paper in NPSC 2002 at IIT Kharagpur Dec 2002.
10. Attended workshop “Patent Awareness Workshop” at KNIT Sultanpur, December 05, 2003.
11. Attended and presented the paper in Seminar on Innovative Techniques for Design, Construction, Maintenance and Renovation of Transmission Lines, 5-6 Feb. 2004, New Delhi.
12. Attended and presented the paper in an international conference at Science City Kolkata during January 28-29, 2005
13. Attended and delivered a talk on “FACTS” in a workshop organized by Electrical Engg. Department at HBTI, Kanpur during October 28-30, 2005.
14. Attended Workshop at BIET, Jhansi on “Energy” during November 19-20,2005
15. Attended and presented paper in the National Conference at MMMEC Gorakhpur (EPTIMITA 06), Feb.17-18, 2006.
16. Attended International Conference,” Challenges and Strategies for Sustainable Energy Efficiency and Environment” Lucknow, June, 2006.
17. All India seminar Energy Management an Indian Perspective, Institution of Engineers Local chapter Lucknow, October 17-19,2008.
18. National Seminar “Non-Conventional Energy and its Utilization (NCERU 09), EED, KNIT Sultanpur, Feb 27-28, 2009
19. Attended two days’ Workshop on Project Implementation Plan TEQIP II and SWOT analysis March 3-4, 2010, UPTU Lucknow
20. Attended two days’ Workshop on Deployment and use of NPTEL courses during 12-13 July 2010 at I.I.T Kanpur.
21. Attended one-day meet at Bangalore “Educators Meet- Mission 10 X” organized by Wipro September 6,2010.

22. Attended one-day workshop Recent trends in Science and Technology at Mumbai Feb 13,2011
23. Attended one-day workshop on National Programme on Education and Enhanced Learning at GBTU, Lucknow Feb 27,2011
24. Attended one-day talk on Innovations in video conferencing organized by Polycom & Presto at hotel Taj Lucknow April 29,2011
25. Workshop on capability Building of Affiliated Institutes of GBTU during Jan 17-18, 2013 at Lucknow
26. Attended one-day workshop on “Industry Academia Interaction for strengthening Technical Education” 30<sup>th</sup> August 2013, Friday, Ph D Chamber Lucknow.
27. Attended Two days’ workshop TEQIP II “Good Governance, Leadership and management 14-15 October 2014, Hotel Metropolitan New Delhi.
28. Attended Workshop at NITTTR Chandigarh “UP state FDP workshop for Directors” on 16-17 Oct 2014
29. Attended two-day workshop on outcome-based education & accreditation for undergraduate programs at KNIT Sultanpur, March 18-19, 2018
30. Delivered expert talk and attended one-week faculty development programme on recent advances in distribution generation systems and management (RADGSM-18), April 02-06, 2018, KNIT Sultanpur (UP) 228118
31. Participated one-day Workshop on Accounts & Audit conducted on 12<sup>th</sup> September 2019 at Lucknow, Uttar Pradesh under the aegis of NPIU and organized by the SPIU UP.
32. Attended one-day workshop on Equity Action plan and civil works under TEQIP III, 13 Sept 2019, by SPIU UP
33. Attended one-day workshop on Accounts and Audits under TEQIP III, 12 Sept 2019, by SPIU UP
34. Attended two days’ workshop on Summit Connect, 08-09 Nov 2019 at BMS college of Engineering Bengaluru, by SPIU UP & SPIU Karnataka.
35. Attended one-day workshop on Micro-review of Program preparedness for NBA Accreditation, 05 March, 2020, by SPIU UP
36. Attended short term Training programme through ICT Mode on Control and Automation organized by NITTTR,Kolkata.

## **CONFERENCES/TUTORIAL ORGANIZED/CHAired SESSIONS**

1. Organized one day tutorial on distributed generation and FACTS March 23, 2006, KNIT Sultanpur
2. National Conference,” Technical Challenges in Power Systems” March 24-25, 2006 at KNIT Sultanpur.(Organizing Secretary)
3. Workshop “Laboratory Teaching in Electrical Engineering LTEE06” Nov 24-26, 2006.(Organizing Secretary)
4. Workshop “Laboratory Teaching in Electrical Engineering LTEE08” Feb 28-29, 2008. (Organizing Secretary)
5. International Conference,” Energy crisis: options and issues” under progress
6. Chaired one technical session in the International conference on “challenges and strategies for sustainable energy, Efficiency and Management” UP Technical university, Lucknow, June 2006
7. Chaired one technical session in the National conference on “ Technical Challenges in power systems” KNIT Sultanpur, March 25,2006
8. Chaired one session in the National Conference at MMMEC Gorakhpur (EPTIMITA 06), Feb.17-18, 2006
9. Organized Expert Lecture week during Nov 11-15, 2008 at KNIT Sultanpur.
10. National Seminar “ NON CONVENTIONAL ENERGY RESOURCES (NCERU09) Feb 27-28,2009 AT K N I T (Organizing secretary/ Convenor)
11. Chaired session at MMMEC Gorakhpur in National Conference on Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), 25-26 March 2011
12. Organized one-day workshop on “Teaching, Research, Administrative and Professional

- Contributions of Faculty of Engineering Institutions” May 23,2011, K N I T Sultanpur (UP)
13. Organized a National Conference at KNIT Sultanpur on “Emerging Trends in Electrical & Electronics Engineering, ETEEE- 2011” on Nov 26-27, 2011.
  14. Chaired session 2<sup>nd</sup> National Power and Energy Conference, April 10-11, 2015, EED KNIT Sultanpur
  15. Organized One Week Faculty Development Program on, “ICT in Advanced Teaching and learning for Academicians:A gate way of Technical Excellence held from March 26-30, 2019 at KNIT Sultanpur under the Electronics & ICT Academy, NIT Patna.
  16. Organized one-week short term course Emerging Power Technologies and Management”EPTM-2019, April 08-13, 2019 at KNIT Sultanpur jointly organized by KNIT and MNIT Allahabad under the aegis of TEQIP-III.

### **VISITING LECTURES / KEYNOTE ADDRESSES DELIVERED**

1. Delivered a expert talk on “FACTS” in a workshop organized by Electrical Engineering Department at HBTI, Kanpur during October 28-30, 2005.
2. Delivered lectures in Sequential M Tech (Power Systems) under Quality education program, KNIT Sultanpur
3. Delivered Tutorial on “Emerging Trends in power systems” at KNIT Sultanpur March, 23<sup>rd</sup> 2008
4. Delivered talk in National Conference,” Technical Challenges in Power Systems” March 24-25, 2006 at KNIT Sultanpur
5. Delivered talk in Workshop “Laboratory Teaching in Electrical Engineering LTEE08” Feb 28-29, 2008 KNIT Sultanpur.
6. Delivered talk in Workshop “Laboratory Teaching in Electrical Engineering LTEE06” Nov 24-26, 2006 KNIT Sultanpur.
7. Delivered expert lecture in Workshop “Advances in Electrical Engineering” at Sager Institute of Technology and Management, Barabanki, July 22-25, 2008
8. Expert Lecture in QIP Course at IIT Kanpur during March 23-28,2009.
9. Delivered Key note lecture Energy Management in Indian PerspectiveNational Conference on Recent Advances in Electrical Power and Energy System Management (RAEPESM-2011), 25-26 March 2011 at MMMEC Gorakhpur.
10. Delivered Expert Lectureon Emerging Trends in Power sector in Conference RAEE-15 at MMMUT Gorakhpur, 26 April 2015
11. Delivered Expert Lecture at Department of Electrical Engineering of Rajkiya Engineering College, Ambedkar Nagar one-week short term course (STC) on “Recent Advances in Electrical Engineering” under the aegis of TEQIP-III during September 10-14, 2018REC
12. Delivered Key Note address in National Conference on “Emerging Trends in Science, Technology and Management” to be held at the Ashoka Institute of Technology and Management, Varanasi on November 02<sup>nd</sup> – 3<sup>rd</sup>, 2018.
13. Delivered Expert Lecture in TEQIP III One Week Short Term Course (STC) on Recent Trends in Power System Management held from Nov 27- Dec 01, 2018 at Rajkiya Engineering College, Banda.
14. Delivered Key Note Lecture in TEQIP III FDP organized by RRSIMT Amethi on Matlab and its application in Electrical Engineering during Feb 19-23, 2019
15. Delivered Expert Lecture in One Week FacultyDevelopment Program on,“ICT in advanced Teaching and learning for Academicians:A gate way of Technical Excellence held from March 26-30, 2019 at KNIT Sultanpur under the Electronics & ICT Academy, NIT Patna.
16. Delivered Expert Lecture in One Week FacultyDevelopment Program on, “Power System operation control held from May 6-10, 2019 at Rajkiya Engineering College Sonbhadra under TEQIP III of AKTU Lucknow.
17. Delivered expert lecture in one-week short term course “Optimization Technique in

- Engineering and Sciences” at KNIT Sultanpur during Aug 5 -8, 2019.
18. Delivered expert lecture in national conference “Computational and Characterization Techniques in Engineering and Sciences (CCTES -19)” at REC Ambedkarnagar 06-07 September 2019.
  19. Resource Person in one-week short term course on Practical Aspects of optimization 2019 Aug 01-05, 2019 at KNIT Sultanpur.

## **ADMINISTRATIVE POST HELD/ MEMBER ACADEMIC BODIES**

1. Member of academic council KNIT Sultanpur under Awadh University
2. Member Faculty board in Electrical Engineering Department, KNIT Sultanpur
3. Member Board of Studies in Electrical Engineering, Uttar Pradesh Technical University
4. Member selection committee at Institute level for Junior Engineer, Instructors etc.
5. Coordinator laboratory experiments of AMIE Sec B students at KNIT Sultanpur
6. Paper setter / practical / Project examiner in Uttar Pradesh Technical University, Purvanchal university, Avadh University, Kanpur University etc.
7. Actively participated in syllabus development in few subjects of Electrical Engineering under Uttar Pradesh Technical University, Lucknow
8. Project / Seminar In-charge in the Electrical Engineering Department three-four years
9. Worked as Head Examiner in U.P.Tech.University for evaluation in Electrical Engg. Subjects.
10. Worked as Officer In-charge Electrical Maintenance, KNIT, Sultanpur
11. Worked as Officer In-charge Central Store, KNIT, Sultanpur
12. Worked as Warden VS Hostel, KNIT, Sultanpur
13. Worked as Exam Controller KNIT Sultanpur
14. Worked as Head of Department, Electrical Engg, K. N. I. T Sultanpur from July 14,2009 to Jan 29,2010.
15. Worked as Coordinator, Lab Experiments of students for AMIE by Institution of Engineers
16. Worked as Coordinator, Skill Development Initiative Programme of Central Govt.
17. Principal (Officiating) Manver Kanshi Ram College of Information Technology Ambedkar nagar from Jan 30, 2010
18. Nominated as Member, Executive Committee of Indian Institute of Carpet Technology, Bhadoi, 2011-14
19. Nominated as member BOG Motilal Nehru National Institute of Technology, Allahabad, UP,2010-2014.
20. Member selection committee faculty MMMUT Gorakhpur, UP Dec 13-14, 2014
21. Member selection committee faculty Engineering (Associate Professor REC Chair) at GBPUA&TPantnagar, Uttrakhand, Dec,2014
22. Member selection committee faculty at GLA Mathura, UP,Jan 20, 2015

## **THESIS SUPERVISED (Ph.D./PG/UG)**

### **Ph.D.**

#### **Awarded:**

1. “Distributed Generation and Its Location”, Awarded Dec 2009 UPTU LKO,(Dr. Deependra Singh KNIT Sultanpur) Awarded
2. “Power Quality Events Analysis and its Classifications in Power System” December 2012 UPTU LKO, (Dr. Dipti Saxena, NIT Jaipur) Awarded

3. "Performance & Stability Considerations for Weak Grid Integrated with Wind Energy Conversion Systems" by Sarika Shrivastava under the supervision of Prof. (Dr.) K.S. Verma & Dr. Anurag Tripathi. March 2017 Awarded
4. "Optimal power flow using artificial intelligence techniques incorporating facts devices", by Satendra Singh, Faculty of electrical engineering, Dr. A. P. J. Abdul Kalam Technical University, Lucknow, India 2017, Awarded
5. Security analysis of electrical power systems by margin and sensitivity methods and security enhancement by facts devices, By Imran Khan, AIT Lucknow Submitted at Department of Electrical Engineering, Faculty of Engineering Integral university, Lucknow, India September, 2015, Viva held on 11/04/2017 Awarded.
6. Chanda Rani K Sutar, "The application of phasor measurement unit in Smart Grid" Dec 2021, Awarded

#### **Under Progress:**

1. Abhinav Kumar Gautam, performance investigation of electric vehicle through an optimal power management (opm) strategy
2. Nikhil Chaudhary, "Performance evaluation of Grid connected PV System." In progress at AKTU
3. Chandra Prakash, Time Response and Transient stability Analysis of integrated Renewable Energy source in context of North India
4. Raj Bahadur Singh, optimum distributed generation allocation in power system networks
5. Anita Verma, Investigation of Voltage source converter used in PMSG based wind energy system connected to a weak Can system
6. Vinod Kumar, Wavelet based detection and mitigation of power quality events
7. Jaswant Singh, Some investigations on control and protection issues in micro- grid
8. Rishi Tripathi, Maximum Power Point Tracking in tough weather conditions for renewable energy resources
9. Vijay Laxmi Misra, performance improvement of solar photovoltaic panel under partial shading conditions

#### **M.TECH**

1. Raj Kumar Singh, "Location of Distributed Generation in Open Power Market, June 2006 Co- Supervisor, Dr. Deependra Singh.
2. Fahim Ulla, "Power system stabilizer and thyristor controlled series capacitor based damping controller for damping power system oscillations" April 2007
3. Abhishek Mishra, "Simulation of Hybrid power controller for hybridization of SPV panel with Grid", Nov 2008
4. Imran Khan, "A STATCOM based on flying capacitor multilevel inverter" June 2008
5. Aseem Chandel, "Sizing and location of wind power generator in power systems using dynamic modeling", August 2008
6. Kulkarni Anant, "Stability enhancement of power systems using FACTS devices" September 2008
7. Sunil Kumar Goel, "A static synchronous series compensator (SSSC) based on flying capacitor multilevel inverter," August 2008
8. Rajeev K Chauhan, "Congestion management in deregulated market" March 2009
9. Suneel Kumar Saruj, "To develop the tin oxide based sensor to detect the flue gases like NO<sub>x</sub>, CO and SO<sub>2</sub> in thermal power plant", March 2009
10. Rahul Singh, "Placement of combustion generation in power system using dynamic modeling" September 2008
11. H. S. Tripathi, "Design and performance analysis of PID controller for controlled

- converter fed separately excited DC motor Drive”, Feb 2009.
12. Manasi Patnaik, “Use of FEM to determine electric field and potential distribution across Insulator Shed”, Feb 2009
  13. Ritul Agrawal, “Frequency Domain Controller design using MARKOV parameter and time moment method” March 2009.
  14. Sarika Srivastava, Comparison of AI based solution applied to economic load dispatch problem” Jan 20, 2011
  15. Pawan Kumar Sen, Performance Investigation of Three Phase Induction motor fed by direct matrix converter through Indirect SVPWM approach” Jan 20, 2011
  16. Sudha Sahu, “ANN Based sensor less speed control of Three Phase Induction Motor” May 2011
  17. ChandaRani K Sutar, “The application of phasor measurement unit in Smart Grid” May 2011
  18. Ravindra Kumar, “Voltage Sag and their Characteristics” JUNE 2011
  19. Nupur Mittal, “Simulation and Analysis of Flying Capacitor Multilevel Inverter Fed Induction Motor Drives” Dec.2011
  20. Arun Kumar Verma, “Performance Investigation of single phase AC/DC power factor corrected boost converter for PHEV Battery charger, July 2019
  21. Amit Kumar Yadav, “Analysis of Five level diode Clamped in Comparison with Cascaded H-Bridge Multilevel Inverter Aug 2019.
  22. Amitosh Verma, ”Automatic Voltage control of standalone wind power generation using grey wolf optimization technique, Jan 2021
  23. Avinash Gaurav, “Stability Enhancement in Wind energy distribution system using FACTS devices, Feb 2021
  24. Sweta Singh, “Battery life time enhancement and stress reduction analysis in PV power system using modified HESS, December 2020

### **MEMBER OF PROFESSIONAL BODIES**

- Ø Member The Institution of Engineers (m121230-8)
- Ø IEEE member No. 41371016
- Ø Member The Society of Power Engineers No. SM/4643.

### **BOOKS/ TEACHING AID MATERIAL**

- Ø Prepared teaching aid material and submitted in the QIP Centre at I.I.T Roorkee, Dec 2002.
- Ø A Text book on “Basic Electrical Engineering” In Progress
- Ø A Text Book on “Electric Drive Fundamentals”, Co-Author Deependra Singh

### **FOREIGN VISITS**

- Ø Visited Asian Institute of Technology, (AIT) Bangkok during Jan 16-31, 2002
- Ø Seattle USA attend IEEE Conference and symposia
- Ø Visited COE Pune, Pune, India October 2011

**Contributions of Prof. K. S. Verma**  
**in the Capacity of Director, K.N.I.T., Sultanpur**  
**(30.01.2010 - 28.10.2014)**

1. Improvement in the teaching, research, administrative and professional activities
2. Improvement in Governance, leadership and management of the institute
3. Bringing the autonomy and adapting the best practices to reform the academic activities by framing the institute's own Board of studies & Academic council.
4. Organizing more expert Lectures/Seminars/Workshops/Conferences for Faculty/Students skill developments.
5. Organizing various activities to improve the personality of students so that they can be fit for campus placement, competitive examinations. Promotion for preparation of students for competitive examinations from second year onwards.
6. Organizing training for faculty staff and students for upgradation of their knowledge & skills.
7. Bringing TEQIP-II project and making the road map for successful completion of the project for PG & research in the Institute.
8. Organizing meetings like BOG, Finance etc. on regular basis for proper functioning of the Institute.
9. Adapted new and good transparent practices in Establishment, Finance & Purchase, Store for smooth functioning of these sections. Audit the account by Local Audit team on regular basis. There are very few cases which are raised by A.G.U.P/ Audit team, transparency and openness has been kept in all cases. Anyone can see at any time. Settlement of many legal cases in High Court, RTI etc.
10. Establishment of new Govt. Engg. College at Ambedkar Nagar, Lab and Class rooms as per guidelines of UPTU and Government, Land settlement at Sonbhadra and Kannauj.
11. Signed MOU with IIT Kanpur and other nearby good Institutions/organizations for better academic performance and for Industry Interaction.
12. Solving the Land issues with the help of Govt. such as 4-hectare land for K.N.I.T. Hostel and 80 bigha land solution to K.N.I.T. in which it is situated for establishing the lab., Library, Class room etc.
13. Framing road map for development of the Institute in terms of Human resources, Lab equipment upgradation and infrastructure. Detailed study involving faculty of IITs, industry leaders to identify all the major gaps and a suitable strategy to bridge them evolved.
14. Improvement in opening new PG courses, establishment of new laboratories, increasing intake etc.(higher education Dept.).
15. Conducting selection for regular faculty, staff, W.S. etc./CAS Selection.
16. Bringing the fund from the Govt. for Girls Hostel, Toilets blocks, SC/ST Hostel from AICTE, Boys Hostel from OBC and other funding agencies.
17. Bringing funding projects from AICTE, DST and promoting the faculty to bring more assistantship from the funding agencies like travel grant etc. More Summer/Winter/Training Programme (to send the faculty for their carrier prospectus).
18. Organizing visits of various leading persons for suggestions and mentoring from IIT, BHU, IIT, Kanpur, MNNIT, Allahabad & Foreign Countries. Involving faculty to complete their Ph.D. from MNNIT, IIT's and UPTU which outcome is seen as more research papers in journals.
19. Bringing QIP Centre, IBM Centre and BARC academic outreach programme.



20. Promoting faculty to visit Industries to enhance the relationship that is good for campus placement. Regular visit of industries and academic institute for best practices.
21. Engaging the students/faculty/staff for social work, like blood donation, Koshish, Teach for technocrats, earn while learn, printing of Dristicone News Paper, awareness of clearness in surrounding, Traffic rules, Van Mahotsava.
22. Assisted MNNIT, Carpet Technology, Bhadoi, UPTU as member in various committees.
23. Ensured repair/ maintenance of old goods before purchasing new.
24. Delivered expert lectures at various organizing like HBTI, HAL, MKRECIT& IIT's.
25. Member of Selection Committee of Director at IERT, Allahabad & Polytechnics in UPSC Allahabad.
26. Opening of various facilities like New Bank, Parag Dairy, shops for daily use for betterment of life in the campus for students and staff.
27. Organizing various Workshop and programme for personality development of the students related with health awareness, Yoga, Spiritual Lectures and efficiency through mind engineering.
28. Organizing alumni meet in twice a year for student's excellence (UG & PG), and their scholarship, help to enhance the facilities in the Institute. Apart from above faculty support & research excellence, to develop infrastructures in the area of greatest need and training placement assistance.
29. KNIT faculty development /Training at IITs and the global exposure of faculty/students
30. Increased Government Support in various aspects which has helped the construction of 4 stories female hostel to meet the long felt need. 100% girl's students are residing inside the campus, making smart class room for better teaching etc. State Govt. has been generous in sending the faculty for their Ph. D under QIP and in many other issues related with students and staffs.
31. Enhanced Academic Ambience and research culture: the internet bandwidth has been increased phenomenally from 2mbps in earlier times to 100 mbps now in addition to another 1 GBPS from national knowledge network for sharing course contents. Internet facilities has been given in hostels, faculty chambers and their residences also. Greater open access of library and laboratories. KNIT has also adopted a policy of liberal consultancy rules to encourage faculty to take up consultancy assignments and resource generation for the institute.
32. Published more than 200 research papers in top peer reviewed international journals by faculty members/students producing more than 20 Ph. D and 100 M. Tech theses in last five years, KNIT students won various prizes in events organized by IITs, NITs and industries. KNIT students performances in competitions like GATE, IAS & IES has been increased a student got 2<sup>nd</sup> rank in IES in year 2013. Many awards won by the students in curricular, research and extracurricular activities are due to the full freedom that the students enjoy in a highly democratic, open and transparent system.

The above contributions clearly show that given an opportunity, total autonomy, and the freedom to execute its strategic plans by passionate people with right skills on its governing board to govern it, the opportunity to develop and utilize modern management tools and practice, the institution is now capable for facing the 21<sup>st</sup> century challenges in technical education. With these efforts, I hope the institute will excel and flourish in right directions in near future.

**Contributions of Prof. K. S. Verma in the Capacity of  
Director, Rajkiya Engineering College, Ambedkar Nagar  
(15.01.2015 - 14.01.2018)**

1. Joined as Regular Director on 15.01.2015. Speed up the construction of Institute as per AICTE norms as it was very slow earlier.
2. Established laboratories, Workshop, Library, Interactive class rooms, setup class rooms, Hostels and other administrative offices, Library Automation, Equipped the labs with latest software
3. Established Wi-Fi network in whole campus with 100 Mbps lease line
4. Got the AICTE approval as this college was running as constituent college of AKTU Lucknow.
5. Working on gap filling for human resources, infrastructures and Labs to get NBA Accreditation and academic Autonomy
6. Improvement in the Drinking water facility, Hygienic mess and sports facilities for students
7. Participated Swakshta abhiyan, shramdan, Plantation with DFO & country race with faculty, staff and students.
8. Improvement in the teaching, research, administrative and professional activities
9. Improvement in Governance, leadership and management of the institute
10. Efforts to Bring the autonomy and adapting the best practices to reform the academic activities by framing the institute's own Board of studies & Academic council.
11. Organizing more expert Lectures/Seminars/Workshops/Conferences for Faculty/Students skill developments.
12. Organizing various activities to improve the personality of students so that they can be fit for campus placement, competitive examinations. Promotion for preparation of students for competitive examinations from second year onwards.
13. Organizing training for faculty staff and students for up gradation of their knowledge & skills.
14. Bringing TEQIP-III project and making the road map for successful completion of the project for infrastructure & research in the Institute
15. Worked as coordinator faculty selection board FSREC 2017 at Dr. A. P. J Abdul Kalam Technical University, Lucknow for all Govt. Engineering Colleges

## **Dr. K. S. VERMA, PROFESSOR, K.N.I.T., SULTANPUR (U.P.)**

Dr. K. S. Verma did his B. Tech. and M. Tech. from KNIT Sultanpur and obtained his Ph.D. degree in Electrical Engineering (Power Systems) from Indian Institute of Technology, Roorkee. Presently he is working as professor in the Department of Electrical Engineering KNIT Sultanpur UP. He has worked as founder Director MKRECIT Ambedkarnagar (U.P.) from 15/01/2015 to 14/01/2018 a new generation Institute of Govt. of Uttar Pradesh known as Rajkiya Engineering College Ambedkar Nagar. He has served as Director of Kamla Nehru Institute of Technology, Sultanpur (U.P.) from 30.01.2010 to 28.10.2014. He is the Founder Principal of M.K.R.E.C.I.T. Ambedkar Nagar, He had been given responsibility for land procurement by the Govt. of Uttar Pradesh for the starting of new colleges at Kanauj, Sonbhadra & Pratapgarh. He has also been given various administrative assignments to solve the issues at Government level.

Starting his career as Lecturer, he worked in the capacities of Assistant Professor, Professor, and Professor & Head of Electrical Engineering at KNIT Sultanpur. He has been extending his unstinted services to the nation for the past 30 years, in the field of technical education and research. He has also been the BOG Member of Motilal Nehru National Institute of Technology, Allahabad; Member of Executive Committee of Indian Institute of Carpet Technology, Bhadoi. He had undertaken various responsibilities at University level such as Member (Executive Council), Member (Finance Committee), Member BOS, Member (Central Admission Board (CAB)) etc.

He has taught various subjects of Electrical Engineering at U.G. and P.G. levels. He had delivered expert lectures at various institutions and organizations like IITK, KNIT, MKRECIT and HAL. He has published more than 50 research papers in International journals and conferences of repute. He has guided several M. Tech. and Ph.D. theses in the field of Electrical Engineering. His research interest includes Power Systems, Flexible AC Transmission Systems, Planning and Operation of Distributed Generation, and Modeling & Simulation of Power Systems.

He has visited Asian Institute of Technology, Bangkok during January 16-31, 2002 and other organizations of repute to enhance the technical skill. As an academician, researcher, administrator and visionary, Prof. Verma successfully achieved the societal objectives of balanced growth in all spheres with the help of the powerful tool of technical education and research.