

Curriculum Vitae

- Name:** Dr. Ajay Shekhar Pandey
- Father's Name:** Late Sri Ram Naresh Pandey
- Date of Birth:** 16-04-1965
- Nationality:** Indian
- Address for communication:**



Dr. Ajay Shekhar Pandey
Professor
Deptt. of Electrical Engg.
KNIT, Sultanpur
Sultanpur-228 118,(U.P.)
E-mail: ajayshekharpandey@gmail.com
shekhar.ajay04@rediffmail.com
Mob.: +91-9415091697, +91-752820900

6. Permanent Address:

S/o Late Sri R. N. Pandey
At & Post - Kasia
Distt. – Kushinagar-274402 (U.P.)

7. Academic Qualification:

Examination	Board/University/School/College	Year of Passing	Div.	Percentage
High School	BIC Kushinagar UP Board Allahabad	1979	I	72%
Intermediate	BIC Kushinagar UP Board Allahabad	1981	I	63.6%
B.Sc.	Allahabad University	1983	II	58.3%
B.Tech. (Electrical Engg.)	Kamla Nehru Institute of Technology, Sultanpur	1987	I (Hons.)	76.4%
M.Tech (Power System)	K.N.I.T. Sultanpur , Avadh University, Faizabad	2001	I	73%
Ph.D. (Electrical Engg.)	UP Technical University, Lucknow	2010		

Ph.D. Topic: Intelligent Hybrid Models for Short Term Load Forecasting

8. Details of Experience:

33 years teaching experience

Designation	Pay Scale	Date of Joining	Total period		
			Years	Months	Days
Teaching Assistant Deptt. of Electrical Engineering , KNIT Sultanpur	1000=00 (Consolidated)	03/09/1987	01	03	10
Lecturer (Adhoc.) Deptt. of Electrical Engineering , KNIT Sultanpur	700-1600	14/12/1988	-	07	23
Lecturer Deptt. of Electrical Engineering , KNIT Sultanpur	2200-4000	07/08/1989	06	04	24
Lecturer (Sr. Scale) Deptt. of Electrical Engineering , KNIT Sultanpur	10000-15200	01/01/1996	05	00	00
Assistant Professor Deptt. of Electrical Engineering , KNIT Sultanpur	12000-18300	01/01/2001	05	00	00
Associate Professor Deptt. of Electrical Engineering , KNIT Sultanpur	37400-67000 AGP 9000	From 01/01/2006 to 23/06/2010	09	04	00
Professor Deptt. of Electrical Engineering , KNIT Sultanpur	37400-67000 AGP 10000	From 24/06/2010 till date			

9. Administrative work:

Working as

- (i) Dean Research & Development**
- (ii) Chairman, Council of Student Activities**
- (iii) Faculty Advisor, ISTE Students Chapter
(Since July 2001)**
- (iv) President, Alumni Association**

Also worked as

- (i) Head, Electrical Engineering (March 2016 to July 2019)**
- (ii) Dean Student's Welfare (July 2012 to June 2018)**
- (iii) Co-ordinator, Rajkiya Engineering College,
Ambedkarnagar, (From 2010 to 2011)**
- (iv) State Coordinator (Procurement), SPFU, WBTEQIP
(One Year)**
- (v) Coordinator (Procurement) WBTEQIP
(TEQIP-I, TEQIP-II & TEQIP-III, 2003 to 2019)**
- (vi) Convener, Photography & Fine Arts Club
(for more than 15 years 1992-2007)**
- (vii) Officer In charge Purchase & Officer Incharge Store
(for more than 12 years)**
- (viii) Officer In charge Electrical Maintenance**

- (for more than 07 years)
- (ix) Forum Advisor, ELECTRUM, Electrical Engineering Forum (for more than 10 years)
- (x) Warden, Arya Bhatt Boys Hostel, for Three years
- (xi) Warden, Gargi Girls Hostel, for Three years
- (xii) Member of various administrative committees like Regular & Guest Faculty Selection committee, Enquiries related with faculty, staff & students etc. and many more responsibilities

10. Subjects taught & Field of Specialization:

Non Conventional Energy Resources, Artificial Neural Network and Fuzzy System, Control System, Linear System Theory and other subjects at UG and PG level

Field of specialization: Power System, Artificial Intelligence techniques and its Applications in Power System, Power System Restructuring, Planning Operation and Control of Power Systems, Renewable Energy Resources

11. Academic activity:

- Expert Member National Board of Accreditation (NBA) & Member AICTE/University Inspection Teams
- Member Board of Studies, Dr.APJK Technical University, Lucknow(AKTU)
- Ph.D. Thesis Examiner at UPTU Lucknow, SRMU & IU Lko.
- Paper setter/Examiner and in the Panel of Interview board for U.P. Public Service Commission, Allahabad examinations
- M. Tech. Thesis Examiner at MMMEC Gorakhpur, MTU Noida, IET Lucknow, Integral University and other universities
- Member of Academic Council and Board of Studies at KNIT
- Acted as paper setter/ Head Examiner and Evaluator in UPTU Lucknow, MTU Noida, VBS Purvanchal University Jaunpur, IGNOU, Integral University, Board of Tehnical Education Lko. and other Institutions & Universities
- Acted as Flying Squad and also done confidential work several times in UPSEE & UPTU Examinations.
- Member, Examination Centre Allocation Committee, SEE-14
- Worked as Member Program Committee, Member National Advisory Committee & Member Technical Committee and also chaired various technical sessions for number of National and International Conferences

12. Research Project:

- TAPTEC project for Neuro-Fuzzy Control Lab of Rs. 8.0 Lakhs, sanctioned by AICTE New Delhi (2001)

- Industry Gateway Project on Clustering based formulation for Short Term Load Forecasting 2009, Klimentska 1216/46, Prague, Czech Republic, (Certificate No. 003809)
- Project on Artificial Intelligence applications in Power System Rs. 12.0 Lakhs (AICTE-under process).

13. Publications:

International Journals

1. **Ajay Shekhar Pandey**, D.Singh, S.K.Sinha and S.P.Singh, “*Performance evaluation of Statistical and Artificial Neural Network based short term load forecasting techniques*”, International Journal of Electrical and Power Engineering vol.2(6), pp. 393-397 ,2008.
2. **Ajay Shekhar Pandey**, S.K.Sinha and D.Singh, ” *Clustering based formulation for Short Term Load Forecasting*”, International Journal of Computer Systems Science and Engineering, Volume 4, No. 2, pp 91-95, 2009
3. **Ajay Shekhar Pandey**, S.K.Sinha and D.Singh “*Integration of Fuzzy Inference Engine with Radial Basis Function Neural Network for Short Term Load Forecasting*”, Ubiquitous Computing And Communication Journal, Vol. 3, No.4, pp. 41-48,2008
4. **Ajay Shekhar Pandey**, D.Singh and S.K.Sinha, “*Clustering based formulation for Short Term Load Forecasting*” Proceedings of World Academy of Science, Engineering and Technology Vol. 46,pp. 103-107, 2008
5. Surya Prakash, Sunil Kumar Sinha, **Ajay Shekhar Pandey** and Brijesh Singh, “*Impact of Slider Gain on Load Frequency Control Using Fuzzy Logic Controller*” ARPN Journal of Engineering and Applied Sciences, vol. 4, No. 7, pp. 20-27, Sept. 2009
6. **Ajay Shekhar Pandey**, D. Singh and S.K.Sinha, “ *Intelligent Hybrid Wavelet Models for Short-Term Load Forecasting*”, IEEE Transaction on Power Systems, Vol.25 , issue 3, pp. 1266-1273, August 2010.
7. **Ajay Shekhar Pandey**, D.Singh and S.K.Sinha, “*Synergism of fuzzy inference with RBF Neural network for short term load forecasting*”, CSVTU Research Journal Vol.3, No.1, pp. 51-57, Jan 2010
8. Vivek Deep Verma, **Ajay Shekhar Pandey** and S.K.Sinha, “*Modelling and Simulation of Three Phase to Three Phase Cycloconverter Based on Matrix Converter Topology Using PSIM 7.0.5*”, International Journal of Electronics and Communication Engineering
9. Brijesh Singh,, **Ajay Shekhar Pandey** , Surya Prakash, and Sunil Kumar Sinha, “*Intelligent PI Controller for Speed Control of D.C Motor*”, International Journal of Electronics Engineering Research, Vol. 2, No. 1, pp. 87-100, 2010.
10. Mritunjay Kumar Sinha, **Ajay Shekhar Pandey**, Sunil Kumar Sinha, Anuj Kumar “*Best Effort Quality Of Services Provided To Random Traffic Demands In WDM Networks*” International Journal Of Emerging Technology And Advanced Engineering Website: Www.Ijetae.Com (ISSN 2250-2459, Volume 2, Issue 3, March 2012) PP 136-145

11. Mritunjay Kumar Sinha, **Ajay Shekhar Pandey**, Sunil Kumar Sinha, Anuj Kumar “*Hybrid Nodal Architecture For Traffic Grooming In Wdm Networks*”, International Journal Of Emerging Technology And Advanced Engineering Website: Www.Ijetae.Com (ISSN 2250-2459, Volume 2, Issue 3, March 2012) PP 185-194
12. Bindeshwar Singh, Padma Chaturvedi, S.K.Sinha, **A.S.Pandey** and S.P.Singh, “*Enhancement of Performance parameter of Three Phase Induction Motor by using Multilevel Converters: A Literature Survey*”, International Journal of Reviews in Computing (IJRIC), Oct.-Dec. 2011, Vol.8, PP 34-46.
13. Rahul Dixit, Bindeshwar Singh and **A.S.Pandey** “*Adjustable Speed Drives: Review on different Inverter Topologies*” in International Journal of Reviews in Computing (IJRIC) April’2012 Vol.9 ISSN:2076-3328, www.ijirc.org
14. Chandarani Sutar, K S 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), Published by Foundation of Computer Science, New York, USA.
15. Ajeet Kumar Rawat, **A.S.Pandey**, Ankit Kumar Srivastava, “*Reactive Power Compensation in Single Phase Distribution System Using SVC, STATCAM & UPFC*”, International Research Journal of Engineering and Technology (IRJET), pp. 360-367, Vol. 4, Issue. 9, Sep. 2017.
16. Virendra Kumar Gupta, **A.S.Pandey**, Ankit Kumar Srivastava, “*Steady State Fault Analysis of VSC-HVDC Transmission System*”, International Research Journal of Engineering and Technology (IRJET), pp. 698-703, Vol. 4, Issue. 9, Sep. 2017.
17. Varun Kumar, Vipin Patel, **A.S.Pandey**, S.K.Sinha, Dilip Kumar, “*Transient Stability Enhancement of DFIG based Offshore Wind Farm connected to a Power System network using STATCOM*”, International Journal of Engineering and Technology, pp. 1303-1311, Vol. 7(3.12), 2018
18. Naveen Pandey,Varun Kumar, **A.S.Pandey**, “*Adaptive Optimal Size and location Determination of Distributed Generation in Radial Distributed*” International Journal of Research and Development in Applied Science and Engineering (IJRDASE) ISSN: 2454-6844,Volume 17, Issue 1, May 2018
19. Arjun Verma, **A.S.Pandey**, S.K.Sinha, “*Quasi Z- Source Inverter for Photovoltaic Energy Conversion System*”, International Journal of Engineering Research and Technology (IJERT), pp. 199-206, Vol. 6, Issue. 12, Dec. 2017.
20. S P Singh, Dinesh Kumar, Pankaj Kumar Gupta, A.K.Srivastava,D Kumar, **A.S.Pandey**, “*Performance Comparison of PV System employed with Perturb and Observe (P&O) and Incremental Conductance MPPT Techniques*”, International Journal of Engineering Technologies and Innovative Research (JETIR), pp. 622-629, Vol. 5, Issue. 2, Feb. 2018.
21. A K Srivastava , D Singh , **A S Pandey** , Sanjay Kumar, “*Short term price forecasting using tree based methods*” CompuSoft, An International Journal of Advanced Computer Technology, pp. 2985-2989, Volume-viii, Issue-I,8(1), January-2019
22. Ankit Kumar Srivastava, Devender Singh, **Ajay Shekhar Pandey**,Tarun Maini,“*A Novel Feature Selection and Short-term Price Forecasting based on a Decision Tree*

(J48)Model”Energies2019,12,3665;doi:10.3390/en12193665,www.mdpi.com/journals/en
ergies, Energies 2019, 12(19), 3665.

23. Preeti Pandey , **A S Pandey** , S K Sinha, “*Comparative Analysis of MPPT Techniques for Solar PV System using P&O and Fuzzy PSO*”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; pp. 205-214, Vol. 7, Issue XI, Nov 2019, www.ijraset.com.
24. Varun Kumar , **A S Pandey** , S K Sinha, “*Stability Analysis of Wind Farm connected Multi Machine System using Fuzzy Controller based STATCOM and SVC*”, International Journal of Recent Technology and Engineering Technology (IJRTE) ISSN: 2277-3878; pp. 12346-1254, Vol. 8, Issue 4, Nov 2019, www.ijrte.org
25. A K Srivastava, Sanjay Kumar, **A S Pandey**, Debottam Mukharjee, Rashmi Rekha Behera, “*Performance Comparison of PV Module using INC MPPT with Boost & SEPIC Converter*” International Journal of Scientific & Technology Research (IJSTR) ISSN: 2277-8616; pp. 2397-2403, Vol. 8, Issue 11, Nov 2019, www.ijstr.org
26. Swatika Srivastava , S K Sinha , **A S Pandey** , “*Comparative Analysis of MPPT Techniques for Solar PV System using P&O and Fuzzy PSO*”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.177 ; pp. 590-599, Volume 7, Issue XI, Nov 2019, www.ijraset.com
27. Varun Kumar, A. S. Pandey and S. K. Sinha “*Stability analysis of wind farm connected multi machine system using fuzzy controller based STATCOM and SVC*” International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, pp. 12346-12354, Nov. 2019, DOI: 10.35940/ijrte.d9561.118419
28. A K Srivastava, Devender Singh, A S Pandey, “*Short Term Load Forecasting Using Regression Trees: Ramdom Forest, Bagging & M5P*”, International Journal of Advanced Trends in Computer Science and Engineering, Vol 9, Issue 2, pp. 1898- 1902, 2020.
29. Naveen Pandey, Varun Kumar, A. S. Pandey, V. P. Singh “*Distributed Generation Location Allotment for Optimized Power System Performance*” Computing Algorithms with Applications in Engineering, ISBN978-981-15-2368-7, pp 247-260, March 2020, DOI10.1007/978-981-15-2369-4_21 Springer, Singapore
30. Varun Kumar, A. S. Pandey and S. K. Sinha “*Stability Improvement of DFIG-Based Wind Farm Integrated Power System Using ANFIS Controlled STATCOM*” Energies 2020, 13, 4707.DOI <https://doi.org/10.3390/en13184707>

International Conference

1. **Ajay Shekhar Pandey**, S.K.Sinha and D.Singh, ” *Clustering based formulation for Short Term Load Forecasting*”, International Conference on Computer, Electrical, and Systems Science, and Engineering, Proc. Of Proceedings of World Academy of Science, Engineering and Technology, Volume 38, February 2009WASET, CESSE-2009, Feb.25-27, Penang, Malaysia

2. **Ajay Shekhar Pandey**, R.P.Payasi, S.N.Singh, “*Electrical Power Generation from Refuse*”, Proceedings of 2nd International R&D Conference on Water & Energy, 21-24 Oct. Vadodara, India, 1997, Vol. 2, pp 24-31.
3. S.N.Singh and **Ajay Shekhar Pandey**, “*Assesment of Power System Performance at under rated voltage operation of generator*”, Proceedings of 2nd International R&D Conference on Water & Energy, 21-24 Oct. Vadodara, India, 1997, Vol. 1, pp 24-31.
4. **Ajay Shekhar Pandey**, Devender Singh, S.K.Sinha and S.N.Singh “*Wavelet Decomposition based FINN Model for Short Term Load Forecasting*”, Proceedings of International Conference and Utility Exhibition on Power and Energy Systems: Issues and Prospects for Asia (ICUE2011), 28-30 September 2011, Pattaya City , Thailand
5. Rahul Dixit, Bindeshwar Singh and **A.S.Pandey**, “*Performance Analysis of VSI Drive using Conventional Controllers*”, in International Conference RTEEE- 2012 , Nov.’12, Trivendrum , INDIA.
6. Dinesh Kumar, A.K.Srivastava, Varun Kumar and **A.S.Pandey**, “*Dynamic Performance Insvestigation of Hybrid Converter System fed Induction Motor Drive*”, International Conference on Advances in Computing & Communication Engineering (ICACCE-2014), B.T.K.I.T, Dwarahat, India, pp. 205-211, 22-23 February, 2014.
7. Varun Kumar, Dinesh Kumar, A. K. Srivastava, and **A. S. Pandey**, “*Space Vector Pulse Width Modulation Controlled Z-Source Inverter for Adjustable Speed Drive*”, International Conference on Advances in Computing & Communication Engineering (ICACCE-2014), B.T.K.I.T, Dwarahat, India, pp. 212-218, 22-23 February, 2014.
8. A.K.Srivastava, Dinesh Kumar, Varun Kumar and **A.S. Pandey**, “*Dynamic Performance Investigation of Vector Controlled Z-source Inverter (ZSI) fed Induction (IM) Drives*”, International Conference on Engineering and Systems, pp-64 (Souvenir) May 28-30, 2014 at MNNIT, Allahabad.
9. Dinesh Chand Kandhu, A.K Srivastava, T N Shukla and **A.S.Pandey**, “*Mitigation of Sag/ Swell in Distribution using Dynamnin Voltage Restorer (DVR)*”, International conference on Advanced and Agile Manufacturing Systems (ICAM-2015), KNIT, Sultanpur, India, 28-29 December, 2015
10. A.K.Srivastava, **Ajay Shekhar Pandey** and Devender Singh, “*Short-Term Load Forecasting Methods: A Review*”, International Conference on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES–16), Vol. 1, pp. 250-258, 11-12 March, 2016 at KNIT, Sultanpur. ISBN No. 978-93-85777-31-8
11. Sarva Ruvinigya Somanshu, A.K.Srivastava, S.K. Sinha and **A.S.Pandey**, “*Electric Vehicles: A Bibliographical Survey*”, International Conference on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES–16), Vol. 1, pp. 235-240, 11-12 March, 2016 at KNIT, Sultanpur. ISBN No. 978-93-85777-31-8
12. Varun Kumar, **A.S. Pandey** and S.K. Sinha, “*Grid Integration and Power Quality Issues of Wind and Solar Energy System: A Review*”, International Conference on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES–16), Vol. 1, pp. 71-80, (DOI: 10.1109/ICETEESES.2016.7581355 IEEE Xplore), 11-12 March, 2016 at KNIT, Sultanpur. 978-1-5090-2118-5/16/\$31.00 ©2016 IEEE

13. Manisha Yadav, Karan Singh and **Ajay Shekhar Pandey**, “*Key Management in Efficient and Secure Group Communication*”, International Conference on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES–16), Vol. 2, pp. 196-203, (DOI: 10.1109/ICETEESES.2016.7581355 IEEE Xplore) 11-12 March, 2016 at KNIT, Sultanpur. 978-1-5090-2118-5/16/\$31.00 ©2016 IEEE
14. Varun Kumar, Avinash Mishra and **Ajay Shekhar Pandey**, “*Performance Analysis on Matrix Converter Fed DTC-Induction Motor Drive with Different Loading Condition*”, International Conference on Emerging Trends in Electrical, Electronics and Sustainable Energy Systems (ICETEESES–16), Vol. 2, pp. 149-154, 11-12 March, 2016 at KNIT, Sultanpur. ISBN No. 978-93-85777-32-5
15. Kumar Shantanu, Varun Kumar, R P Payasi, **A.S.Pandey** and S.K. Sinha “ *Direct Torque control fed induction motor drive using Fuzzy logic Controller for minimization of Ripple in Electromagnetic Torque*” International Conference on Advance Computational Technique in, Information & Communication Technology ICACTICT-16 KNIT, organized by Sultanpur, India, Sep 23-24, 2016.
16. Varun Kumar, Umesh Chand Bind, **A.S.Pandey** “*Performance Analysis of Bidirectional DC-DC Converter for Electric Vehicle Application*” International Conference on Advance Computational Technique in Information & Communication Technology ICACTICT-16 KNIT, organized by Sultanpur, India, Sep 23-24, 2016.
17. Varun Kumar, Vijay Kumar, **A.S.Pandey** “*A Comparative Study of Multilevel Inverter Fed Three-Phase IM Drive with & without Z-Source*” International conference on Innovation Entrepreneurship and Startup at KNIT, Sultanpur, India, March 03-04, 2017.
18. Smriti Mishra, S K Sinha, **A.S.Pandey**, “ *Design and Analysis of SPV array fed Water Pumping System using BLDC motor with different Converter Topologies*” 5th IEEE Uttar Pradesh Section International conference on Electrical, Electronics and Computer Engineering (UPCON’18) at MMMUT, Gorakhpur, India, Nov. 03-04, 2018. **Awarded Best Paper**
19. Naveen Pandey, Varun Kumar, **A.S.Pandey**, Vijay P.Singh, “*Distributed Generation Location Allotment for Optimized Power System Performance*” International Conference on Computing Applications in Electrical & Electronics Engineering ICCAEEE-2019, organized by REC Sonbhadra, India, Aug 30-31, 2019.
20. Varun Kumar, Akanksha Shukla, A. S. Pandey “*Transient Stability Enhancement of Grid Integrated DFIG Based Wind Energy Conversion System* ” 2020 International Conference on Contemporary Computing and Applications (IC3A), pp. 292-297, Feb. 2020, **IEEE Xplore** 2020, DOI: 10.1109/IC3A48958.2020.233316

National Journal

1. Chandarani Sutar , K.S.Verma, **Ajay Shekhar Pandey**, “*Application of Synchronized Phasor Measurement Unit*”, In Smart Grid Journal Of Information, Knowledge And Research In Electrical Engineering ISSN: 0975 – 6736| Nov 10 To Oct 11 | Volume – 01, Issue – 02, Page 1-49.

National Conferences

- 1 **Ajay Shekhar Pandey**, D.Singh, S.K.Sinha and S.P.Singh “*Comparison of Various Short Term Load forecasting Approaches*”, Proceedings of National Power System Conference (NPSC-06),IIT Roorkee, Dec. 27-28, 2006

- 2 **Ajay Shekhar Pandey**, D.Singh and S.K.Sinha “*Approaches to short term load forecasting: A Review*”, Proceedings of National Conference at MMMEC Gorakhpur (EPTIMITA-06), Feb. 17-18, 2006
- 3 **Ajay Shekhar Pandey**, D.Singh and S.K.Sinha, “*Comperative Study of STLF by MLP and RBF neural networks: A Case Study*”, Proceedings of National Conference at KNIT Sultanpur, March 24-25, 2006
- 4 Mritunjay Kr. Sinha, Samir Srivastava, **Ajay Shekhar Pandey**, and S.K.Sinha, “*Congestion Control in WDM Multicasting Using Nanosecond Switched Optical Wavelength Conversion:: State-of-Art*”, National Conference on Emerging Technologies: Nanotechnology & Cryogenics (ETNC -09) at GLBITM Gr. Noida, October 30-31 2009.
- 5 K.S.Verma, **Ajay Shekhar Pandey** and R.Mahanty, “*Reactive Power control for Static Voltage Stability enhancement at weak bus in Power System network using Series and Shunt Compensation-A Comparative Study*”, Proceedings of All India Seminar on Electric Energy System Management: Indian Scenario” , Roorkee, pp 106-110, 04-05 Sept.1998
- 6 **A.S.Pandey**, Malik Rafi and Fazlur Rahaman, “*Renewable Energy under Clean Development Mechanism (CDM) in India: Baseline Methodologies*” NCERU’09, EED, KNIT Sultanpur, Feb 27-28, 2009
- 7 Varun Kumar, **A.S.Pandey**, Vivek Kumar Saxena “*Performance Evaluation of ZSource Inverter Fed Three Phase Induction Motor drive using PWM and SVPWM Techniques*”. National seminar on Innovation and Applications in Engineering & Applied sciences, GKV Haridwar November 9-10, 2011.
- 8 Rahul Dixit, Bindeshwar Singh and **A.S.Pandey**, “*Adjustable Speed Drives: Review on different Inverter Topologies*”, in National Conference on Recent Advances in Electronics and Electrical Engineering (NCRAEEE-2012) Dehradun, INDIA.
- 9 Ankit Dixit, S.K.Sinha, **A.S.Pandey**, Nikhil Mishra and Priyanka Singh, “*A Five Leg Voltage Source Inverter Driving Two Three Phase Induction Motor In MATLAB/Simulink*” , IEEE-SCES 2012, MNNIT Allahabad, 16-18 March, 2012.
- 10 Priyanka Patel, Varun Kumar, **A.S.Pandey**, R.P.Payasi and Manisha, “*Performance Investigation of 3-phase AC/DC Boost Converter*” 2nd National Power & Energy System Conference (2nd NPESC-2015), K.N.I.T., Sultanpur, India, 10-11 April, 2015.
- 11 Manisha, **A.S.Pandey**, A.K.Srivastava, Dinesh Kumar, A.K.Gautam, “*Comprehensive Survey on Permanent Magnet Brushless DC Motor Drive*” 2nd National Power & Energy System Conference (2nd NPESC-2015), K.N.T, Sultanpur, India, 10-11 April, 2015.
- 12 Rizwan Haider, **Ajay Shekhar Pandey**, A.K. Gautam, Varun Kumar, “*Power Quality Improvement In Matrix Converter Using Hybrid Filter*”, 2nd National Power & Energy System Conference (2nd NPESC-2015), K.N.T, Sultanpur, India, 10-11 April, 2015.
- 13 Awadhesh Singh, **Ajay Shekhar Pandey**, “*Investigation on an Efficient Converter Topology for Solar Power System*”, 2nd National Power & Energy System Conference (2nd NPESC-2015), K.N.I.T, Sultanpur, India, 10-11 April, 2015.

14. Short Term Courses/Training /Winter/Summer School Attended:

1. ISTE Summer School on , “*Harnessing Renewable Energy Sources for Rural Development and Environmental Protection*” 20th June to 2nd July 1994 at Renewable Energy Centre, College of Technology and Agricultural Engineering, Uaipur, Rajasthan.
2. ISTE Summer School on , “*Wind and Solar based Electric Power Generation and Conversion*” 14th Nov. to 26th Nov. 1994 at PSG College Coimbatore
3. ISTE Winter School on , “*Mathematical Modelling and Computational Methods*” 10th Nov. to 22th Nov. 1997 at College of Engineering and Technology, OUAT, Bhubaneshwar
4. Attended one week Management Development Programme on “*World Bank Procurement Procedures*” [For Technical Education Quality Improvement Programme (TEQIP)] at National Institute of Financial Management, Faridabad, INDIA during 21st to 26th July 2003.
5. Attended Two week Short term course on “*E-Learning*” sponsored by Department of Information Technology, Gov. of India at DOEACC SOCIETY Gorakhpur Centre, MMM Engineering Collage Campus, Gorakhpur during January 9-17, 2008.
6. Attended course on “*E-Learning Tools and Technologies*” at KNIT Sultanpur during July 16, 2008 to Aug 1, 2008 by DOEACC Society Gorakhpur Centre
7. Attended One week Short term course on “*Pedagogy Training*” Organized by Effective Quality Upgradation for Technical Education (EQUATE), New Delhi at KNIT, Sultanpur, during 12-17 January 2009 under WBTEQIP.
8. Attended a Training course on “*MATLAB & its Applications in Electrical Engineering (MAEE 09)*”, Dec.14-16, 2009, Electrical Engg. Department, KNIT Sultanpur.
9. Attended two week Faculty Development Programme on “*Entrepreneurship Development*” sponsored by Entrepreneurship Development Institute of India (EDI), Ahmedabad under the aegis Department of Science and Technology, Government of India, New Delhi, organized by Department of Mechanical Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during Feb 25 to March 08, 2013.
10. Attended two week Faculty Development Programme on “*Entrepreneurship Development*” sponsored by Entrepreneurship Development Institute of India (EDI), Ahmedabad under the aegis Department of Science and Technology, Government of India, New Delhi, organized by Department of Applied Sciences and Humanities Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during December 16-27, 2013.
11. Attended One week Short term course on “*VLSI Design Through ICT*” organized by Department of Electronics and Communication Engineering, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh, during 10-03-2014 to 14-03-2014.
12. Attended one-week short term course on “*Solid state control of electric drives through ICT*” sponsored by National Institute of Technical Teachers Training and Research Chandigarh (MHRD Government of India), July 21-25, 2014.
13. Attended two week Faculty Development Programme on “*Entrepreneurship Development*” sponsored by Entrepreneurship Development Institute of India (EDI), Ahmedabad under the aegis of Department of Science and Technology, Government of

- India, New Delhi, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during February 16-28, 2015.
14. Attended One week Faculty Development Programme on “*MATHEMATICA 10*”, organized by Department of Mechanical Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during March 23-27, 2015.
 15. Attended one-week faculty development program on “*Essentials of Teaching –Learning Process*”, sponsored by TEQIP II, World Bank Project in K.N.I.T Sultanpur, (April 27-May 02, 2015).
 16. Attended One Week Short Term Training Programme on “*Simulation and Mathematical Tools for Engineering Applications*”, Sponsored by Technical Education Quality Improvement Program-II, organized by Department of Electronics Engineering & Department of Electrical Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during July 27-31, 2015.
 17. Attended One Week FDP on “*Embedded System Development*” Sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during November 2-6, 2015.
 18. Attended One Week FDP on “*Recent Advances in Numerical and Optimization Techniques (RANOT-16)*” sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Department of Civil Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during March 1-5, 2016.
 19. Attended One Week FDP on “*Disaster Management & Mitigation Measures*” sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Department of Civil Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during April 26-30, 2016.
 20. Attended Two Weeks FDP on “*Simulation and Mathematical Tools for Engineering Research*” sponsored by All India Council for Technical Education (AICTE), New Delhi, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during July 04-15, 2016.
 21. Attended NPC Residential Training Program “*Project Management, Monitoring and Evaluation*” at Port Blair, A & N – January 07-11, 2019

15. Seminar/Workshop/Short Courses Organized:

1. National Conference, “*Technical Challenges in Power System*”, March 24-25, 2006 at KNIT, Sultanpur.
2. Organized Workshop “*Laboratory Teaching in Electrical Engineering LTEE06*” Nov. 24-26, 2006.
3. Organized Workshop , “*Mechatronics and its Applications*” , Nov 13-14, 2005 at KNIT, Sultanpur

4. Organized All India Students Technical Festival, "*Effulgence-2001*" on 23rd and 24th March 2001 at KNIT Sultanpur under ISTE student's chapter, IEEE student's chapter and ELECTRUM (Electrical Engineering Forum).
5. Organized a National Seminar, "Quality Enhancement in Higher & Technical Education", on 04-05, March, 2006, at Kamla Nehru Institute of Physical and Social Sciences & Kamla Nehru Institute of Technology, Sultanpur (U.P.), India.
6. Organized Workshop "*Laboratory Teaching in Electrical Engineering LTEE08*" Feb 28-29, 2008.
7. Organized "*Expert Lecture week*" during Nov 11-15, 2008 at KNIT Sultanpur.
8. National Seminar "*Non Conventional Energy Resources (NCERU09)*" Feb 27-28, 2009 at KNIT Sultanpur.
9. A National Level Seminar on "*MATLAB & Its Applications In Electrical Engineering-(MAEE 09)*". KNIT, Sultanpur, 2009.
10. A National Conference on "*Emerging Trends in Electrical & Electronics Engineering (ETEEE-2011)*", K.N.I.T., Sultanpur, India, 26-27 November 2011.
11. National Conference on "*1ST National power & Energy System Conference (NPESC-2014)*", K.N.I.T., Sultanpur, India, 25-26 April 2014.
12. Workshop on "*Advances in optimization Techniques and Their Application in Power System (WAOTAPS-2015)*", Feb. 20-21, 2015 at KNIT, Sultanpur.
13. National Conference on "*2ND National power & Energy System Conference (NPESC-2015)*" K.N.I.T., Sultanpur, India, 10-11 April 2015.
14. Workshop on "*Curriculum Development in Electrical Engineerig (WCDEE-2015)*", May 15-16, 2015 at KNIT, Sultanpur.
15. 2nd Workshop on "*Curriculum Development in Electrical Engineering (WCDEE-2015)*" KNIT Sultanpur, India, June26-27, 2015.
16. Organized as Coordinator the ***International conference on "Emerging trends in Electrical Electronics and Sustainable Energy System"***, KNIT, Sultanpur, India, 11-12 March, 2016.
17. One Day Workshop on "*Establishment of Incubation and Innovation Center*", August 02, 2016 at KNIT, Sultanpur
18. Organized One Week Faculty Development Program (FDP) as Chairman on "*Recent Advances in Renewable Energy Technologies & Smart Micro Grids*" under TEQIP-II, KNIT, Sultanpur, India, 13-17 September 2016.
19. Organized Faculty Development Programme of One week as Chairman, on "*Recent Advances in Distribution Generation and Management*" *RADGSM-18*, 02-06 April, 2018, by Electrical Engineering Department, KNIT Sultanpur-228118, U.P.

20. Organized A Short Term Course as Chairman, on “*Emerging Power Technologies & Management*” (EPTM-2019), 08-13 April, 2019, under the aegis of TEQIP-III & Technically sponsored by IEEE UP section, jointly organized by Electrical Engineering Department, KNIT Sultanpur-228118, U.P. & Electrical Engineering Department MNNIT, Allahabad-211004.
21. Jointly Organized as a Chairman, One-Week Short Term Course on ‘*Application of MATLAB in Science and Technology (AMST-2019)*’, April 01-05, 2019, by Electrical Engineering Department, KNIT Sultanpur -228118, & Department of Physics, MNNIT, Allahabad-211004.
22. Jointly Organized as a Coordinator, One-Week Skill Development Program on ‘*Basic Computer Training (BCT-2019)*’, June 24-29, 2019, by Electrical Engineering Department, KNIT Sultanpur-228118, U.P. & Chairman’s Desk Skill Development Program for Non- Teaching Staff, MNNIT, Allahabad-211004.

Also organized

1. All India Photography and Fine Arts Exhibition, *PRATIBIMB*’95 in the year 1995
2. National level Technical Student Paper Contest *TECHNOSCRIPT*’97 in the year 1997.
3. National level Sports meet *TVARAN*’11 in year 2011 (Participated more than 32 teams and 975 participants)
4. National level Sports meet *TVARAN*’13 in year 2013
5. National level Technical fest. *EFFULGENCE*’15 during the year 2015.

16. Students Guidance

Ph.D. Supervised/ Under Progress 09 (03+06)

Ph.D. Completed (03)

1. “*Short Term Load And Price Forecasting Using Intelligent Approaches* ” Ankit Kumar Srivastava, Dr. A.P.J. Abdul Kalam Technical University, Lucknow Jan.2021
2. “*Analytical Study On Clustering Methods For Improvement Of Architecture In Data Warehouse*”, Ravindra Kumar Vishwakarma, Himalayan Garhwal University”, Uttarakhand Jan.2021
3. “*Analysis On Enhancing The Intrusion System Performance And Modeling Of Data-Dependent Decision Fusion System*”, Rohit Kumar Upadhyay, Himalayan Garhwal University, Uttarakhand Jan.2021

Ph.D. (Under Progress) 06

4. “*Intelligent Secure Mechanism in Wireless Multicast Communication*”, Manisha Yadav, Dr. A.P.J. Abdul Kalam Technical University, Lucknow
5. “*Grid integration of Renewable energy system*”, Varun kumar, Dr. A.P.J. Abdul Kalam Technical University, Lucknow
6. “*Investigations on Hybrid Isolated Power Generation System*”, Dilip kumar, Dr. A.P.J. Abdul Kalam Technical University, Lucknow
7. “*Secure Inter connected Power system in smart grid environment*”, Santosh Kumar Tripathi, Dr. A.P.J. Abdul Kalam Technical University, Lucknow

8. *“Power Management of Standalone Hybrid Energy Systems”* ,Shivendra Saurabh ,Dr. A.P.J. Abdul Kalam Technical University, Lucknow (Under Bhabha Scholarship Scheme)
9. *“Design Control and Controller Hardware-in-the-Loop implementation of Grid Connected PMSG based Wind Power Generation System”*, Amit Kumar Yadav, Dr. A.P.J. Abdul Kalam Technical University, Lucknow

M.Tech. (36)

1. Vivek Kapoor, *“Short term load forecasting using Wavelet Concept”*, 2007.
2. Malik Rafi, *“Grid Connected Renewable Energy: Baseline Methodologies, Policies & Strategies”*, 2007
3. J.P.Lal, *“Adaptive Control of Nonlinear System With Unmodeled Dynamics”*, 2008.
4. Surya Prakash, *“Performance evaluation of load frequency control in interconnected Power system based on Proportional integral and Fuzzy controller”*, 2008.
5. Brijesh Singh, *“Simulink modeling & simulation for PI and ANN based speed control of separately excited dc motor”*,2008.
6. Vivek Deep Verma, *“Modeling and Simulation of Three-Phase to Three-Phase Cyclo-Converter based on Matrix Converter Topology”*. 2009
7. Abdul Zeeshan, *“Fuzzy and PI Controller based PWM VSI Inverter fed three phase Induction motor for rated speed operation under variable loading”* , 2009
8. Rehana Perveen, *“Speed Control of PWM Inverter fed Induction Motor: An ANN and Vector Control based Approach”* 2010
9. Varun Kumar, *“Performance Evaluation Of Z-Source Inverter Fed Three Phase Induction Motor Drive Using Pwm And Svpwm Techniques”*, 2010
10. Brijesh Kumar, *“Autotransformer Connected 24-Pulse AC-DC Converter For Vector Controlled Induction Motor Drives: A MATLAB Simulation”*, 2011
11. Ankit Dixit, *“Independent Vector Control Of Dual Induction Motor By A Five Leg Voltage Source Inverter : A MATLAB/ Simulink Approach”*, 2012.
12. Rahul Dixit, *“Performance Investigation of VSI fed induction motor drive with SVPWM Technique using conventional and advanced speed controllers”* , 2012
13. Kiran Joshi, *“Biomass Harnessing Methodologies, Policies and Strategies: An Analysis”*, 2013
14. Padma Chaturvedi, *“Investigation Of Transient Performance Of VSI Fed Induction Motor Drive Using PWM And SVPWM Control Techniques”*, 2013
15. Rashmi Dubey, *“Power Quality Improvement Of Distribution Networks Using Dynamic Voltage Restorer”*, 2013
16. Vikas Shukla, *“ Performance Evaluation Of PI-SVPWM Based Flying Capacitor Multi Level Converter”*, 2013

17. Manvendra Singh, *“Performance Analysis Of Wind Drive Self Excited Induction Generator For Stand Alone Applications”*, 2013
18. Awadhesh Singh, *“Investigation on An Efficient Converter Topology for Solar Power System”*, 2014
19. Anuradha Singh, *“Performance Evaluation of Asymmetrical Cascaded Multilevel Inverters.”* 2014.
20. Umesh Kumar Pandey, *“Load Frequency Control of an Interconnected Power System under Unequal Loading”* 2014.
21. Rizwan Haider , *“Power Quality Improvement in Distribution System Using Series Active and Shunt Passive Filters”* 2015.
22. Padmesh Singh, *“Power Quality Improvement in 3-Phase 4-wire Distribution System Using Shunt Active Power Filter”* 2015.
23. Saumya Mishra , *“Performance Study of ACO & PSO Optimization Based PID Controller for Speed Control of DC Motor Drive”*, 2015.
24. Manish Kumar Singh, *“Direct single-stage power converter with power factor improvement for switched mode power supply”* 2015.
25. Manisha, *“Performance Analysis of Permanent Magnet Brushless DC Motor Drive”* 2016.
26. Saurabh Srivastava, *“Study of Photovoltaic Module using Incremental Conductance MPPT with Boost Converter and Sepic Converter”* 2016.
27. Rajesh Verma, *“Power Quality Enhancement through Shunt Active Power Filter”* 2016.
28. Arjun Verma, *“Quasi Z- Source Inverter for Photovoltaic Energy Conversion System”* 2017
29. Smriti Mishra, *“Modeling Simulation and Analysis of PV Powered Water Pumping System Using BLDC Motor with different Converter Topologies”* 2018
30. Rishi Kumar, *“Short- Term Price Forecasting Using Regression Tree Models”* 2018
31. Saumya Singh, *“ Short Term Load Forecasting Using Artificial Intelligence and Random Forest Technique”* 2018
32. Preety Pandey, *“Comparative Analysis of MPPT techniques for Solar PV system using P&O and Fuzzy PSO”* 2019
33. Swatika Srivastava, *“Short Term Solar Irradiance Forecasting using ANFIS and Simulated Annealing ANFIS”* 2019
34. Raghuvendra Yadav, *“Mathematical Modeling and Performance Analysis of DFIG Based WECS with Capacitor outage using Modern and Conventional Controller”*2020 (Submitted)
35. Sarvendra Kumar Singh, *“Automatic solar water pump using IOT”* 2020(Submitted)

36. Anushi Misra, “Performance Evaluation on Bridgeless Rectifiers for PFC Applications” 2020 (Submitted)

B.Tech. Project Guided: 51

17. Membership / Affiliations of Professional Bodies / Institutions:

1. Fellow Member, The Institution of Engineers(India) (F-1229350)
2. Chartered Engineer, The Institution of Engineers(I)
3. Life member Indian Society for Technical Education (ISTE)- No. 08428
4. Member IEEE (No. 93024709)
5. Member, Expert Committee, National Board of Accreditation (NBA), New Delhi.
6. Member, Board of Governors, KNIT Sultanpur (UP).
7. Member, Board of Studies, Electrical Engineering, U. P. Technical University, Lucknow.
8. Member, Academic Council, KNIT Sultanpur.
9. Technical Expert, Electrical Engineering, U.P. Public Service Commission, Allahabad.
10. Member, Board of Governors, DNM Institute of Engineering & Technology, Lucknow
11. External Member CPC, Rajkiya Engineering College, Ambedkar Nagar.
12. Technical Expert, Electrical Engineering, Selection Committees, REC Ambedkar Nagar.
13. Technical Expert, Electrical Engineering, Selection Committees, KNIT Sultanpur.
14. Chairman, Board of Studies, Electrical Engineering, KNIT Sultanpur.
15. Member Finance Committee, Rajkiya Engineering College, Azamgarh

18. Honours /Awards:

- **Honorary Rosalind Member Of London Journals Press.** awarded for the paper titled, “Short Term Load Forecasting Using Regression Trees Random Forest Bagging and M5p” May 2020, **Membership ID#XE63383** London Journals Press, United Kingdom
- **Rosalind Member Of London Journals Press.** Membership ID#TQ97504, London Journals Press, 1210th, Arlington Business Park, Theale, United Kingdom
- **Fellow Member, The Institution of Engineers(India) (F-1229350)**
- Chartered Engineer, The Institution of Engineers(I)
- **Best Paper Award** in 5th IEEE U.P. Section International conference on Electrical, Electronics and Computer Engineering (UPCON’18) at MMMUT, Gorakhpur, India
- Certificate of Appreciation from King George’s Medical University, UP, Lucknow (Department Of Transfusion Medicine) for Blood Donation on 14/04/2017

- Got *Bronze* Certificate of Appreciation from Central Board of Direct Taxes for the assessment year 2016-17.
- Got *Bronze* Certificate of Appreciation from Central Board of Direct Taxes for the assessment year 2017-18
- Got *Bronze* Certificate of Appreciation from Central Board of Direct Taxes for the assessment year 2019-20
- Nominated for Rashtriya Gaurav Award by India International Friendship Society, New Delhi Nov.2016
- Nominated for Rashtriya Ratna Award by India International Society for unity, New Delhi Nov.2001
- Certificate of Appreciation from District Administration for organizing Photography and Fine Arts Exhibition in KNIT Campus 1996-97
- Merit Scholarship in undergraduate engineering B. Tech
- Merit Scholarship in U.P. Board High School and Intermediate level

19. Attended Seminar/Workshop/ Delivered Lectures:

1. Attended and presented paper in the 2nd “*International R&D Conference on Water & Energy*”, 21-24 Oct. Vadodara, India, 1997
2. Attended and presented paper in All India Seminar on “*Electric Energy System Management: Indian Scenario*” , Roorkee, Sept.1998
3. Attended and presented paper in the National Conference at MMMEC Gorakhpur (EPTIMITA 06), Feb.17-18, 2006.
4. Attended a workshop on “*Computer Networking*” at Computer Sc. & Engg. Department, KNIT Sultanpur on 18th and 19th Nov. 2005 under WBTEQIP.
5. Attended and presented paper in National Conference, “*Technical Challenges in Power System*” , March 24-25, 2006 at KNIT, Sultanpur
6. Workshop “*Laboratory Teaching in Electrical Engineering LTEE06*” Nov 24-26, 2006
7. Attended and presented the paper in “*National Power System Conference (NPSC-06)*”, IIT Roorkee, Dec. 27-28, 2006
8. Attended Workshop “*Laboratory Teaching in Electrical Engineering LTEE08*” Feb 28-29, 2008 KNIT Sultanpur.
9. National Seminar on “*Non-Conventional Energy Resources and Its Utilization (NCERU-2008)*”. KNIT, Sultanpur, 2008.
10. National Seminar on “*MATLAB & Its Applications In Electrical Engineering-(MAEE 09)*”. KNIT, Sultanpur, 2009.

11. Attended Two days Programme on “*Journey to Excellence in a Technical Institute*” during March 6-7, 2009 at K N I T Sultanpur.
12. Attended and presented paper in the National Seminar “*Non Conventional Energy and its Utilization (NCERU 09)*”, EED, KNIT Sultanpur, Feb, 2009
13. Attended a DST-SERC Workshop on “*Smart Energy Delivery Systems*” on Jan 15, 2010 in Energy Conclave 2010 at IIT Kanpur.
14. Attended two days Workshop on Project Implementation Plan TEQIP II and SWOT analysis March 3-4, 2010, UPTU Lucknow.
15. Delivered a talk on “*Renewable Energy Resources*” in NCERU 2009
16. Delivered a lecture on “*Energy Conservation*” in Azad Institute of Engineering and Technology, Lucknow. Feb. 2010.
17. Delivered Expert Lectures on *Non-conventional Energy Resources* at B.T.K.I.T, Dwarahat, UK, India, May 2011 (One week)
18. Delivered a talk on “*Application of Neural Networks in Power System*” at AIET, Lko. Sept. 2011.
19. Attended and presented paper in an International conference and utility Exhibition on “*Power and Energy Systems :Issues and Prospects for Asia*” Organized by Asian Institute of Technology (AIT) and Provincial Electricity Authority, Thailand, 28-30 September 2011.
20. Delivered a lecture on Renewable Energy Resources and its scope in present Indian energy scenario in DNM Institute of Engineering and Technology, Lucknow. Feb. 2013.
21. Attended One day Seminar on “*Advances in Power System*” organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), on September 07, 2013.
22. Attended a two days National Conference on “*1st National Power & Energy System Conference (NPESC-2014)*” K.N.I.T., Sultanpur, India, 25-26 April 2014.
23. Attended HIV/AIDS Mainstreaming District level Awareness Workshop Dec.’2014, Vikas Bhawan, Sultanpur.
24. Attended Two Days Workshop on “*Advances in optimization Techniques and Their Application in Power System (WAOTAPS-2015)*”, Feb. 20-21, 2015 at KNIT, Sultanpur.
25. Attended a Two days National Conference on “*2nd National power & Energy System Conference (NPESC-2015)*” K.N.I.T., Sultanpur, India, 10-11 April 2015.
26. Attended Two days Workshop “*1st Workshop on Curriculum Development in Electrical Engineering*” sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Department of Electrical Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during May 15-16, 2015.
27. Attended Two days Workshop “*2nd Workshop on Curriculum Development in Electrical Engineering*” sponsored by World Bank Technical Education Quality Improvement

- Program-II, organized by Department of Electrical Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during June 26-27, 2015.
28. Attended Two days Workshop on “*Advances in Remote Sensing and GIS*” sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Department of Civil Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during September 18-19, 2015.
 29. Attended Two days Workshop on “*Wireless Networks and WSN*” sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Department of Computer Science & Engineering, Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), during October 6-7, 2015.
 30. Attended One day Workshop on “*Establishment of Incubation and Innovation Centre*” sponsored by World Bank Technical Education Quality Improvement Program-II, organized by Kamla Nehru Institute of Technology (KNIT), Sultanpur (U. P.), on August 02, 2016.
 31. Attended Workshop organized by NPIU, Noida for World Bank Technical Education Quality Improvement Program-III on 22nd July, 2017 at Habitat Centre, New Delhi.
 32. Attended Two day Workshop on “*Outcome Based Accreditation for Undergraduate Engineering Programs*” under the aegis of National Project Implementation Unit (NPIU) and sponsored by World Bank Technical Education Quality Improvement Program-III, organized by KNIT Sultanpur (UP) -228118 on March 19-20, 2018.
 33. Invited talk on “*Short Term Load Forecasting*” International Conference on Computing Applications in Electrical & Electronics Engineering *ICCAEEE-2019*, organized by REC Sonbhadra, India, Aug 30-31, 2019.
 34. Attended One day Workshop on “*Outcome based education and NBA using Digital Platforms*” sponsored by World Bank Technical Education Quality Improvement Program-III, organized by KNIT Sultanpur (UP) -228118 on September 04, 2019.
 35. Attended Two day Workshop on “*Cloud- Age Technology*” under the aegis and sponsored by World Bank Technical Education Quality Improvement Program-III, organized at KNIT Sultanpur (UP) -228118 on Nov. 20-21, 2019.

20. Editor / Reviewer Of Books And Journals:

- Editor of “ICETEESES-16 , *International conference on “Emerging trends in Electrical Electronics and Sustainable Energy System*”, technically sponsored by IEEE
- Reviewed No. of papers of IEEE Trans. on Power System, IET Generation Transmission and Distribution, IEEE Access, JECI, Canadian Journal of Electrical and Computer Engineering and many more for different journals of repute and also for number of International Conferences. Also member of editorial board of some reputed journals.