

Dr. YOGENDRA KUMAR

PRESENT POSITION

Professor

Department of Electrical Engineering

Maulana Azad National Institute of Technology Bhopal India

1. CORRESPONDANCE ADDRESS

Department of Electrical Engineering

Maulana Azad National Institute of Technology Bhopal India

Phone: +91-0755-4051407

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Email: ykmact@yahoo.co.in,

2. Date of Birth : 10th January 1965

3. Educational Qualification

S. No.	Degree	Discipline	Year of Passing	Marks obtained in percentage	Institution
1.	B.Sc. Engg.	Electrical	1991	72	Jamia Millia Islamia New Delhi, India
2.	M. Tech.	Heavy Electrical Engg.	1998	71	Maulana Azad College of Technology Bhopal India
3.	Ph.D.	Power System	June 2006	-----	Indian Institute of Technology Roorkee, Roorkee India

4. Working Experience:

S. No.	Name of Post	Nature of work	Duration		Institution
			From	To	
1.	Lecturer	Teaching under graduate(UG) and post graduate(PG) class, research guidance to PG students and all teaching related work like designing the syllabus and administrative work given time to time	1 st July 1992	31 st June 2003	Maulana Azad National Institute of Technology (MANIT) Bhopal, India.
2	Asstt. Professor	-----do-----	1 st July 2003	31 st June 2006	MANIT, Bhopal, India.
3	Associate Professor	-----do-----	1 st July 2006	31 st June. 2010	MANIT, Bhopal, India
4	Professor	-----do-----	1 st July 2010	Till date	MANIT, Bhopal, India
	HOD		7 Jule 2013- 6 July 2015	Till date	MANIT, Bhopal, India
	Dean SW		31 August 2016 till date	Till date	MANIT, Bhopal, India

5. No. of Foreign visits: **03**, 1. Stokhom, 2. Bangkok, 3. Hongkong

6. No. of research paper published: 63

7. Publication detailed

International Journal

- [1] Y. Kumar, B.Das & J.Sharma, "Multi-objective Multi-constraints Service Restoration of Electric Power Distribution System with priority customers" IEEE Transaction on Power Delivery Volume 23, Issue 1, Jan. 2008 pp:261 – 270.
- [2] Y. Kumar, B.Das & J.Sharma, "Service Restoration in Distribution System Using Non-dominated sorting Genetic Algorithm", Electric Power System Research, Vol-76, issue: 9-10, year-2006, pp:768-777
- [3] Sachin Tiwari, Anoop Arya, Y.Kumar & Shivani Mishra," Improvement in the efficiency of distribution system by reducing line losses", Power System Optimization and Control, Volume 2, Number 1, January-June 2010, pp: 225-234.
- [4] SC. Gupta, Y. Kumar & Gayatri Agnihotri," Design of an autonomous renewable hybrid power system" Renewable energy technology, vol. 2, No. 1, 2011, pp: 86-104.
- [5] D.K. Bhatt, Y. Kumar & N.P. Patidar," Optimization design of renewable sources based hybrid system using clonal algorithm", Renewable energy technology, Accepted.
- [6] SC. Gupta ,Y. Kumar, Gayatri Agnihotri," An integrated model for optimal sizing of renewable hybrid energy system", Power System Optimization and Control, Volume 2, Number 1, January-June 2010, pp: 287-301.
- [7] Manju Khare , Y. Kumar, Ganga Agnihotri & V.K. Sethi, "Performance analysis of a photovoltaic generator and its voltage boost up through dc-dc boost convertor" ,Recent trends in Engineering and Technology, Accepted
- [8] D.K. Bhatt, Y. Kumar & N.P. Patidar," Solution of combined emission economic load dispatch problem using AIS Based clonal algorithm", Power System Optimization and Control, Volume 2, Number 1, January-June 2010, pp: 175-186.
- [9] SC. Gupta, Y. Kumar & Gayatri Agnihotri," Design and analysis of solar wind hybrid energy system", Electrical analysis ,Volume-2, No.-3, year 2008, pp: 126-132.
- [10] Rajneesh Karn, Y. Kumar," Development of ACO Algorithm for Service Restoration in Distribution system", International Journal on Emerging Technologies, Volume-1, Issue-2, pp.71-77, March 2011 ISSN: 0975-8364.
- [11] Rajneesh Karn, Y. Kumar & Gayatri Agnihotri,"ACO Based Method for Service Restoration in Distribution System Using Fuzzy M.O.M.C Approach", International Journal of Soft Computing and Engineering (IJSCE), Vol. 1. No. 4 3,Year: September 2011, pp: 52-59.
- [12] Manju Khare, Y. Kumar, Ganga Agnihotri & V.K. Sethi, "Modeling of Photovoltaic Module/Array Using Matlab/Simulink", International Journal of Computer Science and Knowledge Engineering, Vol.4 No.1, January-June2010.
- [13] Devang K Bhatt, Yogendra Kumar & N P Patidar," Quantum Inspired Clonal Algorithm for The Solution of Economic Load Dispatch Problem", Inventi Rapid: Artificial Intelligence, Vol. 2012, No. 4, pp.1-5.
- [14] Devang K Bhatt, Yogendra Kumar & N P Patidar," Emission Economic Power Dispatch Using Clonal Algorithm with Valve Point Effect", Inventi Rapid: Artificial Intelligence, Vol. 2012, No. 2, pp. 61-65.
- [15] Devang K Bhatt, Yogendra Kumar & N P Patidar," Reviewing Advancement in Artificial Immune Systems for Optimization" Inventi Rapid: Energy & Power, Vol. 2012, No. 4, pp. 1-11.
- [16] Nagendra Kumar, Yogendra Kumar," Moderate Random PSO Using For Economic Load Dispatch", Vol. 1 Issue 7, September – 2012.
- [17] Amit shrivastava, Manisha Dubey, Yogendra Kumar, "Power System stabilizer based on different methods & techniques: A review" International Journal of emerging technologies, NO-2(1): 53-55(2011).

- [18] K. Dwivedi, Y. Kumar and G. Agnihotri, "Optimal Bidding in Electricity Markets with Carbon Emission using MRPSO Strategy", *International Journal of Advance Electrronics, Computer, and Mechanical Engineering Technology*, Vol.-2, No.-1, November-2012, pp: 33-38.
- [19] Nagendra Singh and Yogendra Kumar "MRPSO Used for Economic Load Dispatch with Valve Point Effect", *International Journal of Advance Electrronics, Computer, and Mechanical Engineering Technology*, Vol.-2, No.-1, November-2012, pp: 23-28.
- [20] Manju Khare, Y. Kumar, Ganga Agnihotri & V.K. Sethi, "Simulation and Analysis of Maximum-Power-Point-Tracker for Photovoltaic Array", *International Journal of Emerging Trends in Electrical and Electronics (IJETEE)*, Vol.-1 Issue-1, pp: 1-6, March-2013.
- [21] Rajneesh Karn, Yogendra Kumar, Gayatri Agnihotri, "Multiobjective Service Restoration Considering Primary Customers Using Hybrid GA-ACO Algorithm", *International Journal of Computer Applications*, Voulume-64, No.3, pp-1-10, Feb 2013.
- [22] Rajneesh Karn, Yogendra Kumar, Gayatri Agnihotri, "Analysis of Crowding Population Based Ant Colony Optimization for Service Restoration Problem in Distribution System", *International Journal of Advanced Research in Computer Science*, Vol.4, No.2, pp-184-191, Feb 2013.
- [23] Manju Khare, Y. Kumar, Ganga Agnihotri & V.K. Sethi, "ANALYSIS OF DIFFERENT INVERTER TOPOLOGIES FOR A POWER CONDITIONING UNIT OF A PHOTOVOLTAIC GENERATING SYSTEM", *International Journal of Electrical and Electronics Engineering Research (IJEEER)* ISSN 2250-155X Vol. 3, Issue 2, Jun 2013, pp: 9-18.
- [24] Ajay Patel, Vikas Kumar, Yogendra Kumar, "Golden Section Search Optimization Technique For Maximum Power Point Tracking", *International Journal of Engineering Research and Applications (IJERA)* ISSN: 2248-9622, Vol. 3, Issue 2, March -April 2013, pp.1204-1209.
- [25] Nagendra Singh, Yogendra Kumar, "Economic Load Dispatch with Valve point Loading Effect and Generator Ramp Rate Limits Constraint using MRPSO", *International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)*, ISSN: 2278 – 1323, vol.-2, issue-4, pp: 1472-1477, April 2013.
- [26] Ajay Patel, Vikas Kumar, Yogendra Kumar, "Perturb and Observe Maximum Power Point Tracking for Photovoltaic Cell", *International Journal of Innovative Systems Design and Engineering*, ISSN 2222-1727 (Paper) ISSN 2222-2871 (Online), Vol.4, No.6, 2013, pp .9-15.
- [27] Amit shrivastava, Manisha Dubey, Yogendra Kumar, "Damping of Power System Low frequency Oscillation using Interactive Artificial Bee Colony Based Multiband Power System stabilizer (Ms. Ref. No.:IJCES/1003) *International Journal of current Engineering Sciences*. (Accepted).
- [28] Amit shrivastava, Manisha Dubey, Yogendra Kumar, "Artificial Bee Colony Power System Stabilizer" *International Journal of Power System Optimization and Control*, (Jan-June 2013 (accepted).
- [29] Amit shrivastava, Manisha Dubey, Yogendra Kumar, "Optimization Techniques Based Power System Stabilizer's: An Overview", *International Journal on Emerging Technologies* vol. 4, Issue 1, 2013, pp: 50-54, ISSN.
- [30] Nagendra Kumar, Yogendra Kumar, "Multiobjective Economic Load Dispatch solved by New PSO" *Hindawi Publishing Corporation, International Journal Advance in Electrical Engineering*, Volume-2015, PP 1-6, 2015.

- [31] Khare, Ranjeeta, and Yogendra Kumar. "A novel hybrid MOL–TLBO optimized techno-economic-socio analysis of renewable energy mix in island mode. “ **Applied Soft Computing, ELSEVIER, SCI (E)**, 43 (2016): 187-198.
- [32] Khare Ranjeeta and Yogendra Kumar. "Multiagent structures in hybrid renewable power system: A review." **Journal of Renewable and Sustainable Energy, AIP Publication, SCI (E)**, 7.6 (2015): 063101.

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National Journal

- [1] Manju Khare, Y. Kumar, Ganga Agnihotri & V.K. Sethi,” Performance analysis of Photovoltaic Generator and its voltage boost-up through DC/DC boost coverter”, National Journal of Engineering Science and Management, Vol.-1, Issue No.-1, July 2011 PP.-87-92.

International Conference

- [1] Anoop Arya, Y. Kumar & Manisha dubey,” Fault Section Estimation In Electric Distribution System Using Fast And Elitist Method- NSGA-II , Pondichery Engineering College, Pondichery India, PP: 722-728, 7-9, January , 2009. International Conference.
- [2] Silphi Sisodia, Y. Kumar & Manisha Dubey,” Distribution Planning Using Non-Dominated Sorting Genetic Algorithm”, Pondichery Engineering College, Pondichery India , PP: 747-751, 7-9, January , 2009
- [3] SC Gupta, Y. Kumar & Gayatri Agnihotri,” Techno-economical Design of an Autonomous PV-Wind Hybrid Energy System”, Power-con, India Conference, pp: 478-486, October 12-15 2008.
- [4] SC Gupta, Y. Kumar & Gayatri Agnihotri,” Sizing and Optimization of Hybrid Renewable Power System”, Unuversity of Calcutta India, pp: 407-411, December 3-5, 2008.
- [5] Y.Kumar, B. Das & J. Sharma ,”Genetic algorithm for supply restoration in distribution system with priority customers”, Stockholm, Sweden, June 11-15, 2006.
- [6] Y.Kumar, B. Das & J. Sharma ,” Artificial Neural Network for service restoration in distribution systems”, Under the aegis of Pentagon Research Centre Pvt. Ltd. Hyderabad India, January 04-08, 2006.
- [7] D.K. Bhatt, Y.Kumar & N.P. Patidar,” Clonal algorithm for combined emission economic load dispatch problem”, MIT UDUPI Kerala, pp. 350-355, 07-10 Jan. 2010
- [8] Anoop Arya, Y. Kumar & Manisha Dubey,” Evolving Non-dominated solutions in multi objective fault section estimation for automated distribution networks”, IEEE International Conference on Power System Technology, China 2010.
- [9] Anoop Arya, Y. Kumar & Manisha Dubey,” Distribution system service restoration”, MANIT Bhopal, India, PP: 189-196, MANIT Bhopal, India, 26-28 August 2010.
- [10] SC Gupta ,Y. Kumar & Gayatri Agnihotri,” Optimal Sizing of Solar-wind Hybrid System”, MGR University, Chennai, pp: 282-287, 2007.
- [11] D.K. Bhatt, Y.Kumar & N.P. Patidar,” Optimum design of renewable sources hybrid system using clonal algorithm”, MANIT Bhopal, India, PP: 631-636 , 26-28 August 2010.

- [12] Manju Khare ,Y. Kumar, Ganga Agnihotri & V.K. Sethi," Energy storage technologies for integrated renewable sources- A technical review", MANIT Bhopal, India, Pp: 299-303, 26-28 August 2010.
- [13] Amit Shrivastava ,Manisha Dubey & Y. Kumar," Review of different methods for enhancement of power system stability", MANIT Bhopal, India,pp: 557-564, 26-28 August 2010.
- [14] Y Kumar, B. Das & Jaydev Sharma," Application of ANN in Service Restoration in Distribution Systems With Noisy Input", International Conference at ICMSS, pp:247-251, 2011 in Bangkok Thailand.
- [15] Kaustubh Dwivedi, Y. Kumar & Ganga Agnihotri," Competitive bidding in Electricity Markets with Carbon Emission by Using Particle Swarm Optimization" International MultiConference of Engineers and Computer Scientists 2012, Pp: 1078-1082,14-16 March, 2012, Hongkong.
- [16] Nagendra Kumar, Yogendra Kumar, "Economic Load Dispatch Using MRPSO with Generator Ramp Rate Limits Constraint" IEEE conference 2012, Forth International Conference on Computational Intelligence and Communicatioin Networks, GLA university Mathura, 3-5 Nov. 2012, pp: 632-637.
- [17] Anoop Arya, Yogendra Kumar, Manisha Dubey, Radharaman Gupta, "Multi-objective Fault Section Estimation in Distribution Systems using Elitist NSGA", J.C. Bansal et al.(eds.) Proceedings of Seventh International Conference on Bio-Inspired Computing: Theories and Applications (BITC-2012), Advances in Intelligent Systemsand Computing 202, DOI: 10.1007/978-81-322-1041-2_18, O Springer India 2013.
- [18] Nagendra Kumar, Yogendra Kumar, "Economic Load Dispatch With Environmental Emission Using MRPSO", 2013 3rd IEEE International Advance Computing Conference (IACC), February 22-23, 2013 AKG Engineering College Ghaziabad, India, pp: 986-990.
- [19] Khare Ranjeeta and Yogendra Kumar "Techno-economic-socio analysis of renewable energy mix in Island mode using Teaching Learning Based optimization" **ICEMS-2016**, March 17-19, 2016, Jaipur National University, Jaipur, India
- [20] Khare Ranjeeta and Yogendra Kumar. "Techno economic analysis for PV-wind-DG-battery IHRES with SGA." Power India International Conference (**PIICON**), 2014 6th IEEE. IEEE, 2014.
- [21] Khare Ranjeeta and Yogendra Kumar. "Application of GA on size optimization of solar-DG-battery storage HRES with reliability and CO₂ ."India Conference (**INDICON**), 2014 Annual IEEE. IEEE, 2014.
- [22] Khare Ranjeeta and Yogendra Kumar. "TLBO Based Cost Analysis of Renewable Mix in Iland Mode Accounting Employment Creation and Human Development Index."3rd IEEE Uttar Prdesh section International conference on Electrical, Computer and Electronics U.P.CON 2016, held at IIT Varansi India 9-11 December 2016.

National Conference

- [1] Manoj Nair and Yogendra Kumar, "Transmission Expansion Planning in Deregulated Environment: A Review", National Conference on Modelling & Simulation of Electrical Systems [MSES-2013], TIT & S, Bhopal. pp: 165-169.
- [2] Abhisekh Tiwari and Yogendra Kumar, "A Review Paper on Distributed Power Flow Controller", National Conference on Modelling & Simulation of Electrical Systems [MSES-2013], TIT & S, Bhopal. pp: 123-125.
- [3] Nagendra Singh and Yogendra Kumar, "Non-linear Economic Load Dispatch with Generator Ramp Rate Limits Constraints Using Moderate Random Particle Swarm Optimization", National Conference on Modelling & Simulation of Electrical Systems [MSES-2013], TIT & S, Bhopal. pp: 17-22.
- [4] Y. Kumar & Manisha Dubey, "Common Aspects for the Development of Laboratories in Technical Education" Development of Laboratories & Workshops of Technical Institution, MANIT Bhopal, pp: 114-117, Dec. 93.
- [5] Y. Kumar & Prem Singh, "Contingency Approach to Management in Technical Institution", Planning and Management of Technical Education, Hyderabad, pp: 3.14-3.18, August 19-20, 1995.
- [6] Anoop Arya & Y. Kumar, "A Comparative Survey of Faulted Section Estimation Methods in Electric Distribution System", Fifteenth National Power System Conference (NPSC) IIT Bombay pp: 154-158, December 2008.
- [7] Mehta Hani J, Y. Kumar & Manisha Dubey, "Study of Monitoring PV Array Performance Under Partial Shading Condition" MANIT, Bhopal, The Institute of Engineers (India), Bhopal, pp: 152-159, 2009.
- [8] Anoop Arya & Y. Kumar, "A comparative survey of fault section estimation methods in electric distribution system-II", MNIT Jaipur, pp: 124-130, 2008.
- [9] Anoop Arya, Y. Kumar & Manisha Dubey, "Design and tuning of FLC PSS", AKG engg. College Ghaziabad, 5-7 Sept. 2008.
- [10] Anoop Arya, Y. Kumar & Manisha Dubey, "Fuzzy logic based power system stabilizer" Chitkara Institute, Chandigarh, pp: 12-13, 1-2 March 2008.
- [11] Anoop Arya, Y. Kumar & Sachin Tiwari, "Improving in efficiency of distribution line using high voltage distribution system", JNCT Bhopal, 22-23 August 2008.
- [12] Manju Khare, Y. Kumar, Ganga Agnihotri & V.K. Sethi, "Study of maximum power point tracking controllers in photovoltaic application" LNCT Bhopal (M.P.), 26-27 March 2010.
- [13] Anoop Arya, Y. Kumar & Jagesh Kumar, "A Comprehensive Study of Faulted Section Estimation Methods in Electric Distribution System", AKG Engineering College, Ghaziabad UP, 5-7 September 2008.
- [14] Yogendra Kumar, M. P. Kolhe, A. M. Shandilya, "Analysis of Centrifugal Pump Load Coefficient for the Direct Coupled Solar Photovoltaic System", Proceedings of Seminar on "Electric Energy System Management-Indian Scenario", September 4-5, 1998. The Institute of Engineers (I) Roorkee Local Centre University of Roorkee, pp: 28-32.
- [15] Yogendra Kumar, B. Das, J.D. Sharma, "Dynamic load flow for radial distribution system" National conference on Power Electronics and Power Systems, St. Joseph's College of Engineering Chennai (India), January 28-29, 2005, pp. 471-479.
- [16] Yogendra Kumar, B. Das, J.D. Sharma, "Fast service restoration in distribution system using Genetic Algorithm" National conference on Power Engineering Practices & Energy Management, Thaper Institute of Engineering & Technology, Patiala, Punjab (India), January 28-29, 2005, pp. 317-321.

- [17] Yogendra Kumar, Virendra Kumar, “Energy Conservation” Technologia -2002, MP Christian College of Engineering & Technolgy, 2-3 March 2002.
- [18] Yogendra Kumar, A.M. Shandilya, “Development of Algorithm for ranking of contingency and stability” International Conference on Power Quality: 98, IEEE Hyderabad Section India, 18-20 June 1998.
- [19] Yogendra Kumar, A.M.Shandilya, M.P.Kolhe, “ Energy conservation and management in Industry” National Conference on Solar Energy & Systems, MACT Bhopal, India. 6-7 August 1998 pp:165-170.
- [20] J.L. Bhagoria, Yogendra Kumar, “ Criteria for Personal Management in Technical Institutes”, ISTE Seminar on Problems and Issues in Institution Management, MACT Bhopal, India, 8th April 1995.
- [21] Yogendra Kumar, J.L.Bhagoria, “Model for Management to Improve Quality of Technical Education”, National Conference on TQM in Technical Education, MACT Bhopal, India, 21-22 December 1996 pp: 216-219.
- [22] Yogendra Kumar, J.L.Bhagoria, “Class Room Management and Discipline”, National Conference on TQM in Technical Education, MACT Bhopal, India, 21-22 December 1996 pp: 220-222.
- [23] Prem Singh, Yogendra Kumar, “Challenges to the Technical Education” National Seminar on “Planning and Management of Technical Education” August 19-20, 1995, pp: 2.13-2.15.
- [24] Abhishek Tiwari, Gunvant Kumar and Yogendra Kumar, “The Distributed Power Flow Controller and Control Scheme During Converters failure”, National conference on Recent Trends in Manufacturing and Information System, April 26-27, 2013, SATI Vidisha (MP), pp: 193-197.
- [25] Rajneesh Karn, Yogendra Kumar, Gayatri Agnihotri, “Hybrid GA-ACO approach for service restoration problem in distribution systems”, *In Proceedings- National Conference on Advancements in Power System Planning and Management*, pp. 23-32, Nov. 6-7, 2013, Radharaman Engineering College, Bhopal.

7. Consultancy Work:

Sr. No.	Title	Client	Month & year of completion	Amount
1	Soil resistivity testing	Project manager PIU, UWSEI Project Bhopal	28-10-2009	Rs. 20000/-
2.	Soil resistivity testing	Public Health Engineering Dept. Narmada Project Division-2, Shahganj, Sehore	15-01-2008	Rs. 20000/-
3.	Checking of Electrical Design and drawing of motor, capacitor, transformer, cables and other accessories to be used in water supply	Municipal council, Sanawad, Distt. Khargone	01-12-2009	Rs. 5515/-

	system			
4.	Welding Transformer Testing	Miscellaneous	Miscellaneous	Rs. 10000/- (Approx.)

8. Other relevant work:

(A). International Conference Organized:

Sr. No.	Title	Organized as	Venue	Duration			Regional/Local/National/International	Target Group
				From	To	Total Days		
1	International Conference On "Electrical Power and Energy Systems"	Coordinator	MANIT Bhopal, India	26-08-10	28-08-10	03	International	300

(B). Workshop Organized:

Sr. No.	Title	Organized as	Venue	Duration			Regional/Local/National/International	Target Group
				From	To	Total Days		
1	Electricity saving	Coordinator	Laharpur, Bhopal	30-6-08	1-7-08	02	Local	50
2.	Electricity saving	Coordinator	Amravat, Bhopal	2-7-08	3-7-08	02	Local	50
3.	Electricity saving	Coordinator	Mugalia, Bhopal	4-7-08	5-7-08	02	Local	50

(C). Short term training course organized:

Sr. No.	Title	Institute/organization	Organized as	Duration		
				From	To	Total Days
1	Computer Training	MANIT Bhopal	Coordinator	3-11-2008	14-11-2008	12
2	Computer Training	MANIT Bhopal	Coordinator	24-11-2008	10-12-2008	17
3	Short term course On Matlab	MANIT Bhopal	Coordinator	07-1-2013	11-1-2013	One week
4	Short term training on Matlab	MANIT Bhopal	Coordinator	16-10-2013	16-10-2013	Two weeks

(D). Summer/winter school attended:

Sr. No.	Institute	Title	Period		
			From	To	Weeks/Days
1.	MANIT Bhopal	Development in solar and wind energy Systems	09-06-2008	13-06-2010	One week
2.	MANIT Bhopal	Advances in Power Electronics & its Impact on Power Quality	28-07-2008	08-08-2008	Two weeks

(E). Conference attended:

Sr. No.	Title	Institute/Organization as	Attended as	Duration		
				From	To	No. of Days
1.	Int. Conf. On Telecomm unication and energy science	Dr. M.G.R. University Maduravoyal Madras	Participant	20-12-2007	22-12-2007	03 days
2.	Advances in Power System and Management	Chitkara Institute of Engineering and Tchnology Rajpura Panjab	Participant	01-3-2008	02-3-2008	02 days
3.	International Conference on Energy Engineering	Pondicherry Engineering College, Puducherry	Participant	07-01-2009	09-01-2009	03 days
4.	International Conference on Modeling and Simulation	University of Kalkutta	Participant	03-12-2007	05-12-2007	03 days
5.	Joint International Conference on Power System Technology	Joint chapter of PES and IAS of IEEE Delhi Section	Participant	12-10-2008	15-10-2008	03 ays

(F). Workshop Attended:

Sr. No.	Title	Institute/Organization as	Attended as	Duration		
				From		Duration

					To	
1.	Technical Innovation and Reforms in Energy Sector	MANIT Bhopal	Participant	18-06-2010	19-06-2010	02 days
2.	Impact of regulatory Performance on Electric Utility and Consumers	MANIT Bhopal	Participant	28-9-2007	28-9-2007	01 day

(G). Expert lecture Delivered:

Sr. No.	Topic	Number of Lectures	Dates	venue
1.	General introduction to Electrical System and Apparatus	01 (two hours)	23-06-2008	Singhanwahi Durg Chhatisgarh
2.	Fundamental of Transformer	01(two hours)	24-06-2008	Singhanwahi Durg Chhatisgarh
3.	Fundamental of Electrical machines, Generator, Motor and Pumps	01(two hours)	25-06-2008	Singhanwahi Durg Chhatisgarh
4.	Hands on practice on House wiring and Protective Devices	01(two hours)	26-06-2008	Singhanwahi Durg Chhatisgarh
5.	Other Electrical appliances heater press, cooler etc.	01(two hours)	27-06-2008	Singhanwahi Durg Chhatisgarh
6.	General points on Electricity Saving	01(two hours)	01-07-2008	Laharpur Bhopal
7.	General Points on Electricity saving	01(two hours)	03-07-2008	Amrawat Bhopal
8.	Electricity Saving Equipment	01(two hours)	04-07-2008	Amrawat Bhopal
9.	General Points on Electricity Saving	01(two hours)	05-07-2008	Amrawat Bhopal

(H). Administrative duties performed at department level

Sr. No.	Nature of duty	Duration		Total duration
		From	to	
1.	Course Coordinator Ph.D.	22-5-2007	22-11-2007	06 months
2.	Prof. I/C Ph.D.	10-6-2010	Till date	3 months
3	Committee member of Ph.D. Entrance exam.	20-9-2010	Till date	2 months
4.	HOD (Electrical)	30-11-2010	7-12-2010	07 Days
5.	Deputy Superintendent of Examination	16-10-2010	Till date	

6.	Valuation Coordinator	16-4-2010	16-10-2010	6 months
7.	Member of interview committee Ph.D. Admission	20-10-2009	19-10-2010	01 year
8.	PG Coordinator	04-8-2009	10-8-2009	01 year
9.	Coordinator scrutiny of application form	10-3-2008	15-12-2010	01 year
10.	Ph.D. Coordinator	23-7-2007	27-12-2008	01 year
11.	Coordinator M. Tech tabulation	07-5-2007	06-02-2008	09 months
12.	Co-coordinator Ph.D./PG Committee	02-01-2007	6-5-2007	4 months

(I). Administrative duties performed at Institute level

Sr. No.	Nature of duty	Duration		Total duration
		From	to	
1.	Incharge TEQIP Training	6-3-2007	Till date	03 years and 09 months
2.	Incharge community Development cell	6-3-2007	Till date	03 years and 09 months
3.	Incharge TEQIP Tribal Development cell	6-3-2007	Till date	03 years and 09 months
4.	Admission Committee member	24-6-2009	23-6-2010	One year
5.	Vice Chairman, Co-operative store	25-8-2009	30-06-2011	Two year and 4 months
6.	Chairman, Co-operative store	1-7-2011	Till date	
7.	Head of Department	8-7-2013	7-7-2015	2 years
8.	Dean (Student Welfare)	1-8-2015	Till Date	
9.	Prof. I/C (Electrical Maintenance)	1-6-2015	Till Date	

(J). M.TECH. GUIDED

1. Matlab simulation of multi-pulse AC-DC converter for improveing power quality using fork connected transformer: by Ravindra K. Katiya 2010.
2. Simulation of unit commitment problem by using GA: by Tarun Shrivastava 2010.
3. Matlab simulink model of grid connected photovoltaic system: by Pradeep Kumar P, 2010.
4. Investigations on PV array performance under partial shading and novel optimization technique for MPPT: Mehta Haniben Jashubhai, 2009.

5. Solution of economic load dispatch using GA: by Nogeshwar K. Dewangan, 2009.
6. Analysis of non-technical losses in power system: by Shashank Ramteke, 2009.
7. Optimal renewable energy model for various end uses: by Abhimanyu bassi, 2008.
8. Study of non-technical losses in power distribution network: by Sachin K. Shandilya, 2008.
9. Improvement in efficiency of distribution system by reducing line losses: by Sachin Tiwari, 2008.
10. Improved direct search method for solving economic load dispatch problem using GA. By D.R. Ahirwar, 2008.
11. Development of ANT algorithm based load flow analysis: Kaustubh Dwivedi, 2008, Scholar No. 052213110.
12. Comparative study of modern heuristic algorithms to service restoration in distribution systems: by Mahendra Singh, 2007.
13. Distribution planning using GA: by Shilpi Sisodia, 2007
14. Development of Genetic Algorithm for solving an optimal power flow problem: by Anubha Shrotri, 2007.
15. ANT system based service restoration in distribution systems: Basantacharya, July 2007.
16. Case study of conversion of DC railway traction system to DC railway traction system in Mumbai division of central railway: by N.D. Shakyawar, Dec. 2006.
17. Energy Conservation in Electrical Distribution network in short circuit testing laboratory: Ashis Kumar Khanra June 2002.
18. Reconfiguration of Electric Distribution Systems using Particle Swarm Optimization. Asheesh Tomar July 2011.
19. Transmission Pricing by MW+MVAR Method in Deregulated Electricity Market. Somendra Pratap Singh Mathur June 2011.
20. Modelling of UPFC and transient stability enhancement of multi-machine power system using UPFC. Saroj kumar July 2012.
21. Fault section estimation in electric distribution system using genetic algorithm. Radharaman Gupta 2012.
22. A NEW FACT DEVICE – Distributed Power Flow Controller. Abhisekh Tiwari, 2013.
23. Modelling and Simulation of Grid Connected SPV with Voltage Source Current Controlled Inverter. Gaurav Mittal, 2013
24. Single Area Unit Commitment for Thermal Unit using binary particle Swarm Optimization. Mritunjay Kumar Mishra 2013
25. Power flow control in a grid connected microgrid system. Ladu Balaram 2015.
26. Development of an ANN based model for short term load forecasting. Fahad Mohammed Khan 2015.
27. Competitive bidding in electricity market with carbon emission using PSO. Ashish Singh, 2014
28. Economic load dispatch using PSO. Dushyant Kumar Gautam, 2014.
29. Economic Load Dispatch using Particle swarm optimization Algorithm, Neha Chouhan 2016
30. Bidding strategy based on genetic algorithm in renewable energy, Rajeev Kumar, 2016.

(K). Ph.D. Supervision

(i) Completed

Sr. No.	Name of Student	Registration	Title	Status
1.	SC Gupta	0102EE 03PD10	Design and Performance Analysis of Hybrid Renewable Energy System	Completed
2.	Anoop Arya	073213105	Service restoration in distribution system	Completed
3.	Amit Shrivastava	073213107	Improvement of power system stability using artificial intelligence based power system stabilizer	Completed
4.	Devang Bhatt	083213107	Economic load dispatch using clonal algorithm	Completed
5.	Rajneesh Karn	073113107	Service restoration using ANT optimization Technique	Completed
6.	Kaustubh Dwivedy	093213102	Transmission pricing of Power System	Completed
7.	Nagendra Singh			

(ii) In progress

1.	Manju Khare	0101EE09PD34	Perform Analysis of PV/WIND/UTILITY	In progress
2.	Ranjeeta Khare			In progress
3.	Renuka Kamdar		Integrated Electric Power Grid	In progress
4.	Manoj Nair		Transmission planning in restructured environment	In progress
5.	Shivani Rai			In progress

(L). Membership of Technical Societies

Sr. No.	Name of Association/Society	Category	Membership No.
1.	The Indian Society for Technical Society	Life member	LM20566
2.	International Association of Computer Science and Information Technology	Life member	80341871

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