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Electrical and Electronics Engineering



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Academic Profile

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Research Work

S.No.	Title	From Date	To Date	Period	Details
1.	DC and AC power distribution for the house and commercial buildings	06-01-2016	05-01-2017	1 year	Rs. 1,10,000 [Research Funding Scheme of ARD - KLNCCE]
2.	"Reactive Power Compensation in Radial Distribution Feeder with Laterals using Fuzzy - PSO Method"	-	-	Volume 3, No. 4, Mar09-May09	International Journal on "Electronic & Electrical Engineering (IJEEE)", ISSN 0974-2042
3.	Application of Fuzzy logic and Particle Swarm Optimization for reactive power Compensation of Radial Distribution Systems	-	-	September 2010.	Journal of Electrical systems, Vol6; No 3, pp407-425, September 2010 (www.jes.org) (ISSN 1112-5209)
4.	Optimal Capacitor Placement and sizing using combined Fuzzy-HPSO method	-	-	September 2010	International Journal of Engineering Science and Technology, Vol2, No. 6, 2010, pp. 75-84.
5.	Application of Fuzzy logic -Particle Swarm optimization for reactive power compensation of radial distribution feeders.	-	-	Volume 6, No. 1, March 2010	The Journal of CPRI

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Paper Publication (International)

S.No.	Title	From Date	To Date	Period	Details
1.	Low Voltage Ride through capability improvement of grid connected wind energy conversion system using STATCOM	07-04-2016	08-04-2016	2 days	International Conference on Energy Efficient Technologies for sustainability-ICEETS'16, St. Xavier catholic college of Engineering
2.	LVRT capability assessment and improvement of grid connected wind form during symmetrical faults	16-03-2016	16-03-2016	One Day	Advanced Computing Techniques on Power Conversion and Control System ACTOPCCS'16 - University College of Engineering, Ariyalur
3.	LVRT Capability Assessment and Improvement of Grid Connected Wind Farm During symmetrical Faults	01-03-2016	01-03-2016	-	International Journal of Advanced Research Trends in Engineering and Technology, ISSN 2364-3777
4.	"Power Quality improvement in grid connected wind energy conversion system using DVR"	05-06-2015	05-06-2015	June 2015	International Journal of Applied Engineering Research, June 2015.
5.	Power Quality improvement in grid connected wind energy conversion system using DVR	14-05-2015	16-05-2015	3 Days	International Conference on Advances in Applied Engineering & Technology-2015, Syed Ammal Engineering College.
6.	Optimal Capacitor Placement in RDF under Dynamic Load Conditions using Modified Differential Evolution	16-04-2015	18-04-2015	3 Days	International Conference on Emerging Trends in Engineering, Technology & Management, RVS College of Engineering & Technology.
7.	Performance Improvement of AGC by using Neural Network Controller	02-01-2015	03-01-2015	2 days	International Conference on Electrical, Instrumentation & Communication Engineering Recent Trends and Research Issues-2015, Sri Krishna Institution

8.	"Capacitor Placement using ANFIS and loss reduction in RDF using Hybrid Differential Evolution"	19-12-2014	19-12-2014	Dec 2014.	International Journal of Applied Engineering and Research.
9.	Capacitor Placement using ANFIS and loss reduction in RDF using Hybrid Differential Evolution	04-12-2014	05-12-2014	2 days	International Conference on Emerging Electrical Systems and Control-ICEESC 2014, Sethu Institute of Technology
10.	"Optimal Capacitor Placement in Radial Distribution Feeders Using Fuzzy-Differential Evolution for Dynamic Load Condition"	21-11-2014	21-11-2014	Nov 2014	Journal of The Institution of Engineers (India): Series B(AU Annexure-II-), Nov 2014
11.	"Performance Improvement of AGC by ANFIS",	21-03-2014	21-03-2014	March 2014.	International Journal of Innovative Research in Science, Engineering and Technology.
12.	Performance Improvement of AGC by ANFIS	21-03-2014	22-03-2014	2 days	2014 IEEE International Conference on Innovations in Engineering and Technology, K.L.N college of Engineering.
13.	Optimal Capacitor Placement in Radial Distribution Feeders Using Fuzzy-Differential Evolution for Dynamic Load Condition	14-01-2014	14-01-2014	-	Journal of The Institution of Engineers (India): Series B - ISSN:2250-2106 (print version) ISSN: 2250-2114 (electronic version)
14.	Optimal Capacitor Placement in RDF under Dynamic Load Conditions Using Differential Evolution	19-12-2013	21-12-2013	3 Days	International Conference on Power and Energy Systems (ICPES'13), Velammal College of Engineering and Technology
15.	Neural Network Tuned Fuzzy Logic Power System Stabilizer Design for SMIB	19-12-2013	21-12-2013	3 Days	International Conference on Power and Energy Systems (ICPES'13), Velammal College of Engineering and Technology
16.	"Optimal capacitor allocation in 69-bus Radial distribution system to improve annual cost savings for dynamic load	22-03-2013	22-03-2013	March 2013.	International Journal of Emerging Technology and Advanced Engineering.
17.	Energy loss minimization in RDF using MAPSO method considering harmonic".	20-09-2012	20-09-2012	Sep 2012.	Journal of Electrical Engineering,
18.	Combination of Fuzzy and Second order PSO based capacitor placement Radial Distribution Feeder"	06-04-2012	06-04-2012	April 2012	International Journal on Computer Applications,
19.	"Reactive Power Compensation in Radial Distribution Feeder with Laterals using Fuzzy-PSO method",	23-12-2011	23-12-2011	December 2011	International Journal of Electronic and Electrical Engineering, 2011.
20.	Optimal capacitor placement and sizing using Fuzzy-DE and Fuzzy-MAPSO methods"	18-11-2011	18-11-2011	November 2011	Applied Soft Computing.
21.	Analysis of Capacitor allocation in radial distribution feeder using PSO with voltage constraint	03-01-2011	05-01-2011	03.01.2011-05.01.2011	Proceedings of the 2011 1st International Conference on Electrical Energy Systems (ICEES-2011)-SSN Engineering College, Chennai
22.	"Optimal capacitor placement and sizing using combined fuzzy-HPSO method"	24-12-2010	24-12-2010	December 2010	International Journal of Engineering, Science and Technology, 2010.
23.	Fuzzy - HPSO Based Capacitor Placement in Radial Distribution Feeder	25-03-2010	26-03-2010	25 & 26th March 2010	International Conference on Emerging Trends in Engineering Technologies - 2010 (ICETES - 2010) at Noorul Islam University, Kanyakumari Dist.
24.	"Application of Fuzzy Logic and Particle Swarm Optimization for Reactive Power Compensation of Radial Distribution Systems"	16-04-2009	17-04-2009	16.04.2009 to 17.04.2009	International Conference on "Electrical Energy Systems & Power Electronics in Emerging Economies" (ICEESPEEE-2009), SRM University, Chennai, India.
25.	"Fuzzy Logic Based Optimal Capacitor Placement on Radial Distribution Feeders"	12-10-2008	15-10-2008	12.10.2008 - 15.10.2009	"IEEE 2008 - Power India Conference", New Delhi
26.	"Fuzzy Logic Based Optimal Capacitor Placement on Radial Distribution Feeders"	12-03-2008	15-03-2008	12.03.2008 - 15.03.2008	International Conference on "Power System Analysis Operation and Control System Optimization", Andhra Engineering College, Andhra University, Visakapatnam, Andhra Pradesh.

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Paper Publication (National)					
S.No.	Title	From Date	To Date	Period	Details
1.	OPTIMAL CAPACITOR PLACEMENT IN RADIAL DISTRIBUTION FEEDERS USING FUZZY-DIFFERENTIAL EVOLUTION	17-02-2011	18-02-2011	17&18.02.2011	PROCEEDINGS OF 2011 NATIONAL CONFERENCE ON INNOVATIONS IN EMERGING TECHNOLOGY, Kongu Engg College, Coimbatore
2.	REACTIVE POWER COMPENSATION USING FUZZY-DIFFERENTIAL EVOLUTION	11-02-2011	11-02-2011	11.02.2011.	PROCEEDINGS OF THE NATIONAL CONFERENCE ON ELECTRICAL MACHINES AND POWER SYSTEMS, Pondicherry engg College, Puducherry
3.	Fuzzy-MAPSO based capacitor allocation in radial distribution feeder	02-12-2010	03-12-2010	2.12.2010-3.12.2010	Proceedings of the third National Power Engineering Conference (NPEC 2010).- Thiagarajar College of Engineering, Madurai.
4.	Reactive Power Compensation In Radial Distribution Feeder Using Fuzzy and Swarm Intelligence	10-03-2010	10-03-2010	10th March 2010	National Conference on Power Quality (NCPQ '10) at Sastra University, Srinivasa Ramanujan Centre, Kumbakonam.

5.	OPTIMAL CAPACITOR PLACEMENT ON RADIAL DISTRIBUTION FEEDER USING FUZZY LOGIC	22-04-2007	22-04-2007	22.04.2007	NATIONAL CONFERENCE ON POWER SYSTEMS-APRIL 2007 UJJAIN ENGG COLLEGE,UJJAIN,MADHYAPRADESH.
6.	Optimal capacitor placement on radial distribution feeders using fuzzy logic	15-02-2007	15-02-2007	15.02.2007	PROCEEDINGS OF FIRST NATIONAL CONFERENCE ON EMERGING TRENDS IN POWER SYSTEMS-FEB2007 KLN COLLEGE OF ENGINEERING POTTAPALAYAM SIVAGANGAI DISTRICT.

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Resource Person					
S.No.	Title	From Date	To Date	Period	Details
1.	"Power Quality Issues in Power systems and Solutions"	04-05-2016	06-05-2016	Three Days	Delivered Lecture on Power Quality Issues in Power Systems and Solutions at Centre for skill development & Engineering consultancy, The Institution of Engineers(India), Himachal Pradesh, Shimla.
2.	" The essential traits of Teaching methodologies"	13-08-2015	13-08-2015	One Day	K.L.N. College of Engineering
3.	"Design of Electrical Machines"	15-04-2015	15-04-2015	One Day	K.L.N.College of Information Technology, Madurai.
4.	"Control System"	09-12-2013	15-12-2013	7 Days	E&I Department K.L.N.College of Engineering.

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Conference					
S.No.	Title	From Date	To Date	Period	Details
1.	Recent Trends in Power Systems and Power Electronics(FDP)	05-05-2015	09-05-2015	5 days	Chief guest/Resource persons Dr.C.K.Babulal,ASP/EEE, TCE Dr. A.Shanmugalatha,HOD/EEE, VCET. Er.P.Mutharasu,AD/MRT, TANGEDCO, Madurai. Mr.S.Kuruseelan,AP/EEE, VIT, Chennai.
2.	Safety precautions in transmission line(seminar)	10-03-2015	10-03-2015	One day	Resource person Er.K.A.Murugan B.E,MBA,MIE/ Assistant Executive Engineer/230KV,Kovilpatti.
3.	IIPC Sponsored National Level Technical Symposium- Mini Project Contest "ECHELON 2015"	18-02-2015	28-02-2015	One day	Chief guest Dr.D.BRAHADEESWARAN, Vice – President, SEED, Chennai
4.	The Smart grid vision for India's Power Sector(seminar)	14-02-2015	14-02-2015	One day	Resource person Er.M.Raja Rajeshwar Assistant Executive Engineer, Load Dispatch Centre, TANGEDCO (TNEB) Er.A. Sahaya Raj, Executive Engineer/Electrical office of distribution TANGEDCO (TNEB)
5.	Electrical energy conservation and Electrical safety(seminar)	10-01-2015	10-01-2015	One day	Resource person Er.A.R.Anbarasu, AGM(Utility) ,GHCL,Madurai.
6.	2014 INTERNATIONAL CONFERENCE ON INNOVATIONS IN ENGINEERING AND TECHNOLOGY – ICIET'14	21-03-2014	22-03-2014	Two days	CHIEF GUEST Dr.P.N.Suganthan, Professor,Nanyang Technological University, Singapore. KEYNOTE SPEAKERS Mr.A.Velayutham National Advisor- Asia power Quality Initiative,Ex-Member Maharashtra Electricity Regulatory commission. Dr.M.P.Selvan AP/EEE NIT,Tiruchirapalli.
7.	Power Electronics Applications in Solar and Wind Energy using MATLAB(seminar)	04-10-2013	04-10-2013	One day	Resource person Dr.L.Ashok Kumar,M.E.,M.B.A.,Ph.D., Recognized Chartered Engineer,(IE) – India, Associate Professor, Department of EEE, P.S.G.College of Technology, Coimbatore.
8.	Recent Trends in Power System Operation, Stability and Control(FDP)	13-09-2013	14-09-2013	Two days	Resource persons Dr.M.Mohamed Thameem Ansari, Professor / EEE, Annamalai University. Prof.A.Nagoor Kani, M.S. (BITS), (RBA Educational Group)
9.	FDP	05-11-2009	06-11-2009	05.11.2009 - 06.11.2009	Faculty Development Programme - "Linear and Nonlinear Control Systems Theory"
10.	FDP	25-06-2009	26-06-2009	25.06.2009 - 26.06.2009	Faculty Development Programme - "Design of Electrical Apparatus"
11.	FDP	03-12-2007	15-12-2007	03.12.2007 - 15.12.2007	Faculty Development Programme - "Electrical Machines - II"
12.	FDP ON ELECTRICAL MACHINES-I-	05-06-2006	09-06-2006	5.6.2006-9.6.2006	STAFF DEVELOPMENT PROGRAMME-ORGANISING SECRETARY
13.	3DAY ENTREPRENEURSHIP AWARENESS CAMP	05-10-2004	07-10-2004	05.10.2004-07.10.2004	KLNCE
14.	FDP	-	-	30.11.2010-3.12.2010	Induction training programme for technical teachers.



Seminars					
S.No.	Title	From Date	To Date	Period	Details
1.	"Effective Teaching"	14-03-2016	14-03-2016	One Day	K.L.N. College of Engineering.
2.	Recent trends in Power systems and Power electronics-FDP-resource person	05-05-2015	09-05-2015	5 days	KLNCE
3.	"Strategic planning on Industrial Development"	28-02-2015	28-02-2015	One Day	K.L.N.College of Engineering
4.	INTELLIGENT TECHNIQUES FOR POWER SYSTEMS	26-03-2007	31-03-2007	26-31MARCH 2007	THIAGARAJAR COLLEGE OF ENGINEERING-AICTE-ISTE SPONSORED
5.	WORKSHOP ON LESSON PLAN AND CLASS NOTES PREPARATION-	07-12-2005	02-01-2006	07.12.2005-02.01.2006	ISTE CHAPTER-KLNCE
6.	CHALLENGES IN MEETING THE DEMAND FOR QUALITY IN POWER SUPPLY	08-11-2003	09-11-2003	08.11.2003-09.11.2003	19TH NATIONAL CONVENTION OF ELECTRICAL ENGINEERS,MADITSSIA HALL,MADURAI
7.	TEACHING DESIGN IN ENGINEERNG EDUCATION	28-06-1999	29-06-1999	28.06.1999-29.06.1999	MADURAI KAMARARAJ UNIVERSITY

