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Present Position

Professor, Department of Electrical and Electronics Engineering, College of Engineering Guindy, Anna University, Chennai from February-2010.

Previous Positions

- Lecturer, Department of Electrical and Electronics Engineering, College of Engineering Guindy, Anna University, Chennai from February-1994.

Previous Additional Responsibility

- Director, AU-RU Urban Energy Centre, Anna University, Chennai during July-2011 and July-2016.
- Nss Programme Officer, , Anna University, Chennai.

Other Employment

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Degree

- ❖ M.E. in POWER SYSTEMS ENGINEERING , Thiagarajar College of Engineering Madurai, Madurai Kamarajar University (1991 - 1992).
- ❖ B.E. in ELECTRICAL AND ELECTRONICS ENGINEERING , ACCET, MADURAI-KAMARAJAR (1986 - 1990).

Research Degree

- ❖ Ph.D. in Power Systems Engineering from Faculty of Electrical Engineering , College of Engineering, Anna University (2002 - 2008).
Title: RECONFIGURATION OF RADIAL DISTRIBUTION SYSTEM FOR DEREGULATED ELECTRICITY MARKET .

Area of Specialisation

- Power System Engineering

Research Guidance

Number of Ph.D Scholars Guided	: 6
Number of Ph.D Scholars Guiding	: 5
Number of M.E./ M.Tech. Projects Guided	: 80

Papers Published in Journals

Research Papers Published in International Journals	: 20
Research Papers Published in National Journals	: 0

1. Chandramohan.S., Kumudini Devi. R.P., Bala Venkatesh, " Radial System Reconfiguration to Minimize Operating Costs in Markets", International Journal of Emerging Electric Power Systems, published by Bepress. Vol. 8, Issue 1, pp. pp.1 -13 (2007).
2. Chandramohan.S, Naresh Atturulu, Kumudini Devi, R.P.,Venkatesh,B., " Operating Cost Minimization of a Radial Distribution System in a Deregulated Electricity Market through Reconfiguration using NSGA method", Electrical Power and Energy Systems, published by ELSEVIER. Vol. 32, pp. pp. 126-132 (2010).
3. Krishna Kumar, S & Chandramohan, S,, "Sliding mode control of H bridge inverter based DSTATCOM for reactive power compensation", Research Journal of Applied Sciences, Engineering and technology, Vol. 8, Issue 21, pp. 2227-2233 (2014).
4. Gnanasekaran, N, Chandramohan, S, Sudhakar, TD & Sathish Kumar, P, "Three stage method based on Kruskal's algorithm to maximize loss saving in a radial distribution system", International Journal of Applied Engineering Research,, Vol. 9, Issue 22, pp. 17759-17770 (2014).
5. S Krishna Kumar S Chandramohan, "Voltage Compensation and Harmonics Mitigation in Three Phase Three Wire Distribution System using SVPWM Controlled Five Level DCMLI Based DSTATCOM ", AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES , Vol. 8, pp. 184-192 (2014).
6. L.Madhan kumar, R.Murugan, Dr. S. Chandramohan, " Modeling Of Power Transformer for Differential Protection Using PSCAD ", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Issue 2, pp. 215-223 (2014).
7. Indira.G, UmaMaheswaraRao Theru, Chandramohan S, " Enhancing the Design of a Superconducting Coil for Magnetic Energy Storage Systems", Physica C, Elsevier, (2014).
8. Gnanasekaran, N, Chandramohan, S, Sudhakar, TD & Sathish Kumar, P, "Maximum cost saving approach for optimal capacitor placement in radial distribution systems using modified ABC algorithm", International Journal on Electrical Engineering and Informatics, Vol. 7, Issue 4, pp. 665-678 (2015).

9. Gnanasekaran, N, Chandramohan, S, Sathish Kumar, P & Sudhakar, TD, "Energy loss minimization and reliability enhancement in radial distribution systems during line outages", ARPN Journal of Engineering and Applied Sciences, Vol. 10, Issue 18, pp. 7997-8008 (2015).
10. Malathi, S & Chandramohan, S, "A new topology of converter fed multilevel inverter for medium to high power applications", Optoelectronics and advanced materials –Rapid communications, Vol. 9, Issue 5, pp. 816-820 (2015).
11. Malathi, S & Chandramohan, S, "A Single –phase Thirteen-level Reverse Voltage Multi-level Inverter with Various Modulation Control Techniques", International journals of applied Engineering and Research, Vol. 16, pp. 37048-37054 (2015).
12. K.B. Ravindrakumar and S. Chandramohan, "LMP Congestion Management Using Enhanced STF-LODF in Deregulated Power System", Circuits and Systems, Vol. 7, pp. 2489-2498 (2016).
13. Hemalatha S & Chandramohan S, "Cost optimization of power generation systems using BAT algorithm for remote health facilities", Journal Med.imaging Health informatics, pp. 1646-1651 (2016).
14. K.B. Ravindrakumar and S. Chandramohan, "NSGA II based Congestion Management in Deregulated Power Systems", Middle-East Journal of Scientific Research , Vol. 24, Issue 4, pp. 1188-1193 (2016).
15. S Krishna Kumar • S Chandramohan, " BELBIC Control of DSTATCOM for voltage regulation", Journal of Control Engineering and Applied Informatics, (2016).
16. Krishna Kumar, S & Chandramohan, S, "Repetitive controller based active neutral point clamped DSTATCOM for compensating unbalanced non linear load", Journal of Control Engineering and applied Informatics, pp. 1458-8658 (2016).
17. Malathi, S & Chandramohan, S, "Design and Implementation of a Novel Hybrid Posicast Based Controller for a Buck-Boost Converter", Middle-East Journal of Scientific Research, Vol. 24, Issue 2, pp. 251-258 (2016).
18. Gnanasekaran, N, Chandramohan, S, Sathish kumar, P & Mohamed Imran, A, "Optimal Placement of Capacitors in Radial Distribution System using Shark Smell Optimization Algorithm", Ain Shams Engineering Journal, Vol. 7, Issue 2, pp. 907-916 (2016).
19. Gnanasekaran, N, Chandramohan, S, Sathish Kumar, P & Sudhakar, "Reconfiguration and Capacitor Placement of Radial Distribution Systems by Modified Flower Pollination Algorithm", Electric Power Components and Systems , Vol. 44, Issue 13, pp. 1492-1502 (2016).
20. Hemalatha S & Chandramohan S, "Design of a fuzzy logic control strategy of nano grid hybrid power generation for rural precinct", International journal of Applied Engineering Research, Issue 11, pp. 10241-10245 (2016).

Papers Presented in Programmes

Research Papers Presented in International Programmes	: 2
Research Papers Presented in National Programmes	: 0

1. Chandramohan,S., Kumudini Devi, R.P, Venkatesh, D.B, "Reliable Reconfiguration of Radial System – An Analysis" presented in a International level conference on IEEE INDICON 2005, organised by IIT Madras, INDIA from 11-Dec-2005 to 13-Dec-2005.
2. Venkatesh,B., Chandramohan,S., N. Kayalvizhi,N. and Kumudini Devi, R.P, "Optimal Reconfiguration of Radial Distribution System using Artificial Intelligence Methods" presented in a International level conference on IEEE Toronto international conference, organised by Ryerson University, Canada, CANADA from 26-Sep-2009 to 27-Sep-2009.

Sponsored Projects Completed

1. "Optimal operation of RDS for deregulated electricity market in India", funded by UGC- Major Research Project (February-2010 - January-2013). Project Cost: 5.84.
2. "Electric system integration for PHEV charging stations with solar farms", funded by DST (January-2010 - December-2011). Project Cost: 5.25.

Programme Organized

1. Coordinator, National level workshop on "Sustainable Energy and Sustainable Energy Sources" from 09-Dec-2009 to 11-Dec-2009.
2. Coordinator (INDIA), International level seminar on "Urban Electric system integration with PHEV charging stations and solar farms" from 06-Jan-2011 to 07-Jan-2011.
3. Coordinator, National level Short Course on "Restructured Power Systems" from 17-Oct-2012 to 19-Oct-2012.
4. Organizing Secretary, International level conference on " International Conference on Power, Control and Embedded Systems 2014" from 27-Feb-2014 to 28-Feb-2014.
5. Coordinator, National level workshop on "Two week ISTE STTP on "ELECTRIC POWER SYSTEM"" from 10-Jul-2017 to 15-Jul-2017.

Programme Attended

1. Participated in a International level workshop on "Challenges in Smart Grid and Renewable Resources" organized by IEEE Mysore, INDIA from 14-May-2010 to 15-May-2010.
2. Participated in a International level conference on "DIREC 2010 " organized by Ministry of New and Renewable Energy in Greater Noida UP, INDIA from 27-Oct-2010 to 29-Oct-2010.
3. Participated in a National level workshop on "Advances in design and contro for performance enhancement in PM motors" organized by Pondicherry Engineering college, Puducherry, INDIA from 20-Apr-2011 to 21-Apr-2011.
4. Participated in a International level workshop on "Communication for Power Engineers" organized by CPRI Bengaluru, INDIA from 24-Jun-2011 to 25-Jun-2011.

5. Attended a International level seminar on "India-Canada Smartgrid seminar" organized by GITA, Newdelhi, INDIA from 12-Nov-2013 to 13-Nov-2013.
6. Participated in a National level workshop on "Electric Power System" organized by IIT Kharagpur, India from 01-May-2018 to 05-May-2017.

Special Repräsentations

1. member in IEEE from 03-Jan-2011 to 31-Dec-2014.
2. Expert member in AICTE
3. Assesment Committee Member in Central Leather Research Institute
4. Advisor in Staff Selection Commission
5. Member- Syllabus framing committe in TNPSC

Experience Abroad

1. Visited Ryerson University, CANADA from 26-Sep-2009 to 27-Sep-2009. Purpose of visit :Paper Presentation in IEEE Conference.
2. Visited Ryerson University, Canada from 11-Oct-2013 to 18-Oct-2013. Purpose of visit :R & D Collaboration .

Invited Lectures

1. Delivered a Lecture on "Restructured Power systems, Open access, Power exchanges and trading" in Three Day Short Term Training Course for TANGEDCO Engineers organized by Anna University, Chennai (17-Oct-2012).
2. Delivered a Lecture on "Restructured Power systems, Open access, Power exchanges and trading" in Three Day Short Term Training Course for TANGEDCO Engineers organized by Anna University, Chennai (18-Nov-2013).
3. Delivered a Lecture on "Power Management" in Invited lecture organized by Saveetha University, Chennai (18-Feb-2014).
4. Delivered a Lecture on "Smart Energy Storage Systems" in AICTE Sponsored Two week FDP on "Power Converters, Control and Grid Integration of Renewable Energy organized by SSN College of Engineering, Kalavakkam 603 110, Ch, Chennai (23-Nov-2017).

Extension & Outreach Programme

1. Sent students to Canada to work in energy related projects, Students Exchange Programme, and funded by Ryerson University at Toronto, Canada during 31-Dec-1969 and 31-Dec-1969. No. of participants: 17.

2. Course Instructor - Electrical Machines II, ANNA EDUSAT, participated by Affiliated Institutions and funded by Anna University at Anna University during 01-Jan-2009 and 01-Apr-2009. No. of participants: 500.
3. Founder Director, Anna University - Ryerson Unniversity Urban Energy Centre, and funded by Ryerson University during 08-Jul-2011 and 07-Jul-2016. No. of participants: 0.
4. Introduced a new need based PG programme, M.E. Power Engineering and Management, at College of Engineering during 01-Aug-2011 and 01-May-2019. No. of participants: 25.