



Sri SAI RAM INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Name : Dr. T. MUTHAMIZHAN
 Designation : ASSOCIATE PROFESSOR
 Email : muthamizhan.eee@sairamit.edu.in
 Qualification : B.E., M.E., Ph.D.,
 Specialization : Power Electronics and Drives



Research Interest : Electrical Machines and Drives, DC-DC Converters, Renewable Energy

Experience in years : Teaching UG PG Industry

No. of Workshop/Conferences/
FDP attended : Workshop Conferences FDP

No. of Workshop/Conferences/
FDP Organized : Workshop Conferences FDP

Professional Membership	Member, Institute of Electrical and Electronics Engineers Life Member, Indian Standard for Technical Education Life Member, Institution of Engineers (India) Life Member, Solar Energy Society of India Life Member, International Association for the Engineers
Publications	National : -
	International: 11 Journals, 5 Conferences.
	Book : -
Research Funded Projects	NIL
Patents	NIL
Achievements	
Any Other Information	1. College Level Criterion CoOrdinator, NAAC. 2. Acted as Class Committee Chairman, Class CoOrdinator, etc..

List of Publications:-

International/Scopus Indexed Journals

1. **Muthamizhan T.** and Ramesh R., 'Design and Simulation of PV driven three phase Induction motor', International Review on Modelling and Simulations, Vol 6, No 2, pp. 412-418, April 2013. ISSN- 1974-983X.
2. Sivakumar A, **Muthamizhan T**, Gunasekhar N O and Ramesh R, "A Novel Sensorless Speed Control Strategy of Induction Motor Based on Vector Control", International Review of Electrical Engineering, Vol 8, No 4, pp.1211-1217, Aug 2013. ISSN: 1827-6660.
3. **Muthamizhan T.** and Ramesh R., 'Experimental Investigations on PV Powered SVM-DTC Induction Motor without AC Phase Current Sensor', International Journal of Engineering and Technology, Vol 6, No 2, Apr-May 2014, pp. 842-857. ISSN: 0975-4024.
4. **Muthamizhan T.** and Ramesh R., 'PV Powered Direct Torque Controlled Induction Motor without AC Phase Current Sensors', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.3, Special Issue 2, April 2014, pp. 255-262.
5. **Muthamizhan T** and Ramesh R., 'PV Powered Fuzzy based Direct Torque Controlled Induction Motor without AC Phase Current Sensor', International Review of Electrical Engineering, Vol 9, No 2, pp.307-314, April 2014. ISSN: 1827-6660.
6. **Muthamizhan T**, Clinton Williams. A and Malikudeen. I, "Simulation Investigation on Photovoltaic-fed Three-Level Boost Converters", International Journal of Applied Engineering Research (IJAER), Vol.10, No.22, pp. 20911-20916, 2015.
7. **Muthamizhan T**, "Performance Analysis of Solar Power Optimizer for DC Distribution System ", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, No. 8, pp. 6708-6715, 2016
8. Ravirajan S, **Muthamizhan T**, " Modelling and Digital Simulation of a Standard IEEE - 30 Bus System to Improve Power Quality of Grid with UPQC using MATLAB", Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 10, pp. 830-845, October 2016.
9. **Muthamizhan T**, "Implementation of Hang Regulator based power division for a Microgrid with disseminated Power Generations", International Journal of Mechanical Engineering and Technology (IJMET), Vol. 8, No. 8, pp. 1782–1788, 2017.
10. **Muthamizhan T**, Ramesh, R., Sherine, S., "A web-based fuzzy-logic direct torque control of an induction motor drive and a security model", (2017) International Journal of Pure and Applied Mathematics, 116 (19 Special Issue), pp. 195-200.
11. Sivakumar. A, **Muthamizhan.T**, "Harmonic Reduction in Single Boost Converter Fed DC Motor with EMI Input Filter", International Journal of Power Electronics and Drive Systems, pp. 914-920, Vol.9, No.2, June 2018.

List of Patent :

NIL

Workshop / Conferences /FDP Attended:-

International Conferences Attended

1. Sivakumar A, Muthamizhan T and Gunasekhar N O, “A Novel Scheme for Sensorless Speed Control of Induction Motor using DSP Controller”, DST Sponsored International Conference on Power and Energy System – ICPEs’12, pp. 50-56, Dec 2012.
2. D. Vijayaragavan, Muthamizhan T, S. Sherine, “Implementation of multi-input DC/DC converter based on the multi winding transformer for renewable energy applications”, Third International conference on “Green technologies in power generation, Communication and Instrumentation-2016, ISBN No – 978-93-5254-979-5.
3. J. Jothikumar, Muthamizhan T, D. Baskar, “Reduction of harmonic voltage using a series active filter under different load conditions by using MATLAB”, Third International conference on “Green technologies in power generation, Communication and Instrumentation-2016, ISBN No – 978-93-5254-979-5.
4. Sivakumar. A, Muthamizhan.T, "Harmonic Reduction in Single Boost Converter Fed DC Motor with EMI Input Filter", International Conference/or Phoenixes on Emerging Current Trends in Engineering And Management (PECTEAM 2K18), pp. 605-608,. 9th & 10th Feb 2K18
5. T Muthamizhan, Ashutosh Dixit, A Karthik, U Vignesh, "Low Cost Automatic On/Off Photo-voltaic Pump using Advanced Analog circuit based MPPT Technique along with Current-Fed-Multiresonant -Converter",Third International Conference on Innovative & Emerging Trends in Engineering and Technology (ICIETET’18), 09th & 10th March 2018, ISBN : 978-93-81208618

WORKSHOPS/FDP/STTP/SEMINARS ATTENDED:

1. One-week CSIR Sponsored Seminar on “Electrical Drives and Embedded Control”, Conducted by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during 17 – 21, December 2012.
2. One Day National Seminar on “Research Challenges in Micro grid”, Organized by the School of Electrical Engineering (SELECT), VIT Chennai on 9th May 2015.
3. Two day Faculty development Programme on “Networks and Systems”, Organized by IEEE Madras Section at IIT Madras, during 28-29, April 2007.

4. Faculty development Training Programme on “Design of Electrical Apparatus” Organized by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during 19 -25, May 2008.
5. Faculty development Training Programme on “ EE 2251 - Electrical Machines-I” Organized by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during November 30 – December 06, 2009.
6. Faculty development Training Programme on “EE 6401 - Electrical Machines-I” Organized by Department of Electrical and Electronics Engineering, GKM college of Engineering & Technology, Chennai 600025, during 08 – 15 December 2014.
7. Faculty development Training Programme on “IC 6601 – Advanced Control System” Organized by Madras Institute of Technology, Anna University, Chennai 600025, during 25 – 31 May 2015.
8. Two day Workshop on, “Microcontroller Based System Design”, Organized by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during 1-2, December 2006
9. Two day Workshop on, “Virtual Instrumentation”, Organized by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during 24 -25, January 2007.
10. Three day workshop on “Control Theory & its applications to Practical Problems”, under the aegis of Dr. Kannoth Sukumaran Endowment, Department of Electrical and Electronics Engineering, College of Engineering Guindy, Anna University, Chennai 600025, during 16 -18, October 2008.
11. One day National Level workshop on “Solar Photovoltaic System Design”, Organized by Vels University on 22nd April 2017.
12. Short Term course on “Modeling and Analysis of Electrical Machines” Organized by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during 09 -11, August 2007.
13. Two day UGC Sponsored Short-Term Course on “Research Methodology, Techniques of Writing Research Articles for SCI journals and Ph.D. Thesis Preparation”, Conducted by Department of Electrical and Electronics Engineering, college of Engineering Guindy, Anna University, Chennai 600025, during 8-9, March 2013.

Workshop / Conferences /FDP Organized:-

1. Coordinator, National level Conference on "SMART ENGINEERING TECHNOLOGIES", in G K M College of Engineering & Technology, Chennai 600 063, on 17-04-15 & 18-04-15.