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SAI RAM INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Name	: E.MAHESWARI	
Designation	: Associate Professor	
Email	: maheswari.eee@sairamit.edu.in	
Qualification	: M.E.(Ph.D Doing)	
Specialization	: Power Electronics and Drives	
Research Interest	: - Non linear Analysis in Converters	
Experience in years	: Teaching UG 15.2 PG Industry	
No. of Workshop/Conferences/ FDP attended	: Workshop 6 Conferences 2 FDP 6	
No. of Workshop/Conferences/ FDP Organized	: Workshop 2 Conferences 1 FDP 1	

Professional Membership	Life Member : 1. Indian Society for Technical Education (ISTE) 2. Life Member of International Association for Engineers (IAENG) 3. IEEE Member for 6 months
Publications	National : - 1
	International: 10
	Book : - 2
Research Funded Projects	-
Patents	-

Achievements	<ol style="list-style-type: none"> 1) Received “Dr.APJ Abdul Kalam Award for teaching Excellence” in the year 2015 from MARINA LABS R&D Chennai. 2) Received Rs. 2,000 Cash Award from Sri Sairam Institute of technology for Producing 100% in “Measurement & Instrumentation” Subject in the Year 2010. 3) Received Rs. 2,000 Cash Award from Sri Sairam Institute of technology for Producing 100% in “SOLID STATE DRIVES” Subject in the Year 2017.
Any Other Information	<ol style="list-style-type: none"> 1. Power Electronics lab In charge 2. College and Dept. ISO Coordinator from 2011 to 2014.

PAPERS PRESENTED – INTERNATIONAL/NATIONAL JOURNALS:

Papers published in International Journals:

1. **E.Maheswari**, Dr.V.Balaji, “Speed control of DC series motor using continuous input output power buck converter”, IJECS , ISSN 2348-117X, Volume 6, Issue 11.

2. **E.Maheswari**, Dr.V.Balaji, “Solar energy based smart room using Double boost Converter”, International journal of mechanical engineering and technology, Volume 8, Issue 6, June 2017.

3. **E.Maheswari**, Dr.V.Balaji, “Harmonic reduction in 3 phase voltage source inverter by 150 degree conduction”, International Journal of Applied Theoretical Science and Technology, Volume 2, Issue 1, pp 1001-1006, January 2016

4. Dr.V.Balaji, **E.Maheswari**, “Labview Based PID Design Method For DC Motor Position”, International Journal of Applied Theoretical Science and Technology, Volume 2, Issue 6, pp1103-1106, March 2016.

5. P.Karthika, N.Shanthi, **E.Maheswari**, “Design of improved solar energy harvested hybrid active power filter for harmonic reduction , power factor correction and current compensation”, IJSTE, Volume 2, Issue 07, January 2017.

6. Dr. V.Balaji, **E.Maheswari** “Model Predictive Control Techniques for CSTR Using MATLAB “International Journal of Electrical Engineering and Technology” Vol -3, No 3, pp. 121 – 129 Oct-Dec 2012.

7. V.Balaji, **E.Maheswari** “Performance Investigation of Self-Lift and Re-Lift Luo Converter Topologies.”, Pacific Journal of Science and Technology, Vol – 12, pp. 17 – 24 May 2011(Spring).

8.V.Balaji, Dr. N.Vasudevan and **E.Maheswari**, “MATLAB Simulation for Continuous- Stirred Tank Reactor”, Pacific Journal of Science and Technology, Vol 9, pp 127 –131 June 2008(Spring).

9. V.Balaji, Dr. N.Vasudevan and **E.Maheswari**, “Model Based Predictive Control Using Fuzzy and Neural Network”, International Journal of Applied Engineering and Research, Vol 3, pp 279 – 286 ,March 2008.

10. V.Balaji, Dr. N.Vasudevan and **E.Maheswari**, “Model Based Predictive Control Using Fuzzy and Comparison with other Nonlinear MBPC Algorithms”, International Journal of Industrial Electronics and Control, March 2008.

National Journal

1. Dr. V.Balaji, **E.Maheswari** “Model Predictive Control Strategy for Industrial Process” Bulletin of Electrical Engineering and Informatics, **Vol -1, No 3 , pp. 191 – 198 Sep 2012.**

PAPERS PRESENTED – INTERNATIONAL/NATIONAL CONFERENCES:

Papers published in International Conferences:

1. **E.Maheswari**, Dr.A.Kavitha, “Bifurcation analysis in continuous input output Buck Boost converter”,IEEE Conference, 2016 International Conference on Computation of Power, Energy Information and Communication (ICCPEIC) Pg.No 490-498,978-1-5090-0901-5/16 ©2016 IEEE,AdhiParasakthi College of Engineering.

2. V.Balaji, Dr. N.Vasudevan and **E.Maheswari**, “Multivariable Laguerre Based Indirect Adaptive predictive Control a Reliable Practical Solution for Process Control,” Proceedings of the International Conference on Trends in Intelligent Electronic Systems pp.396-400,SathyaBama University,Chennai,India, Nov12th - 14th 2007.

3. V.Balaji, Dr. N.Vasudevan and **E.Maheswari**, “Multivariable Model Predictive Control for Process Control,” Proceedings of the International Conference on Sensors And Related Networks, pp. 320- 326,VIT University, Vellore, India, Dec 12th -14th 2007.

4. V.Balaji, Dr. N.Vasudevan and **E.Maheswari**, “Neural Network Based on Model Control Strategy for the pH Process,” Proceedings of the International Conference on Digital Factory,pp. 274 – 277, CIT Coimbatore, India,Aug 11th -13th 2008.

Papers published in National Conferences:

1. **E.Maheswari**, A.Kavitha and G.Uma, “Hopf Bifurcation and chaos analysis in negative output luo converter” Proceedings of the National Conference RITEE’07, pp.152-157, Sri Sai Ram Engineering College Chennai, India, March 13th 2007.

2. **E.Maheswari**, and A.Kavitha and G.Uma“Bifurcation analysis in negative output Luo Converter” Proceedings of the National Conference NACPED’07,pp-30-35,Government College of Engineering,Thirunelveli,India,4th April 2007.

BOOKS PUBLISHED

1. Text book “**Design of Electrical Machines**” by Dr. V.Balaji and Mrs.E.Maheswari, Sams Publishers, Chennai, 2011.
- 2.Text book “**Measurement and Instrumentation**” by Dr. V.Balaji, Mrs.E.Maheswari and Ms.Gurvu, Sams Publishers, Chennai, 2011.

WORKSHOP / FDP ORGANIZED:

1. **Organized** Entrepreneurship Awareness Camp (EAC) sponsored by DST in Sri Sairam Institute of Technology from 9.3.2016 to 11.3.2016.
2. Organized SDP on “Intelligent control in electrical appliances” conducted in Easwari Engineering College from 26th May to 9th June 2009.

WORKSHOPS/SEMINARS ATTENDED:

1. Two days International Workshop On “Power System Studies Using ETAP & Digsilent” in S.A .Engg College, Chennai,4th and 5th May 2017
2. “Renewable Energy and Applications”, Agni college of technology,Chennai,19th August 2016.
3. One Day workshop on “Spectral analysis using MSO430 for power electronics applications”, VIT,20th feb 2016
4. Attended a workshop on “High Impact Teaching Skills” attested by Dale Carnegie Training & Associates, Inc Trainer and Wipro at Easwari Engineering College from 7th &8th Dec 2009.
5. Attended DRDO sponsored two day national workshop on “ Matlab and Labview For Electrical & Process Control Applications” organized by the Easwari Engg College from 17th to 18th Dec 2009.
6. Attended the Tutorial on “Control Systems Study through Matlab” at Vellore Institute of Vellore on 21 – 22nd Jan 2006.

FDP ATTENDED

1. Three days FDP on “Power electronics for renewable energy systems”, Tagore Engineering College, 18th to 20th Jan 2018.
2. Seven Days FDP On “EE6007 Micro Electro Mechanical System Design” in Sriram Engineering College, Perumalpattu, From 08.05.2017 To 14.05.2017
3. Three Days FDP On Electromagnetic Theory And Control Systems, Sree Sastha Institute Of Engineering And Technology, 19.6.17 TO 21.6.17
4. Participated in AICTE sponsored SDP on “Intelligent control in electrical appliances” conducted by Easwari Engineering College from 26th May to 9th June 2009.
5. Attended the Training programme on “Quality Management System and Audit training” at Creative Management Consultant, Chennai. On 3rd– 4th Nov 2007.
6. Attended the “Induction Training Programme for Engineering College Teachers” at NITTTR, Chennai on 19th Nov – 1st Dec 2007.