

## **EASWARI ENGINEERING COLLEGE**

### **Technical Paper Publications in National Conference in the Year 2014**

#### **Department of Civil Engineering**

1. R.Sathish, Sivagamasundari, S.LavanyaPrabha, “Experimental Testing Of Aerated Building Blocks Using Gypsum, Copper Slag And Fly Ash.”, National Conference On “Advancement & Challenges In Civil Engineering (Acce 2014)”, Vallimmai Engineering college, pp.394 -395, April-2014
2. R.Sathish, Sivagamasundari, S.LavanyaPrabha, “Experimental Testing Of Aerated Building Blocks Using Gypsum, Copper Slag And Fly Ash.”, National Conference On “Recent Advancement& Sustainability In Civil Engineering (Rasce 2014)”, Velammal Engineering college, pp. 83 -89, April-2014
3. C.Nirmalarani, Rajasekartalikoti, S.R.Kannan, “Enumerating the Efficiency of Natural Coagulants in Water Treatment”, National Conference on “Multichallenges in conservation of water resource technologies”, Veltech High Tech RangarajanSakunthala Engineering College, pp. 70 -75, January-2014
4. C.Nirmalarani, Rajasekartalikoti, S.R.Kannan, “Study on Waste Water Characteristics of a Private Multispeciality Hospital at Chennai”, National Conference on “Multichallenges in conservation of water resource technologies”, Veltech High Tech RangarajanSakunthala Engineering College, pp. 197 -206, January-2014
5. Anbarasu.M, Manaikandan, S.Lavanyaprabha, M.Neelamegam,”Effect of Multi-scale Steel Fibre Addition on Mechanical Properties of Concrete”, National conference on advances in Latest Advancement in Civil Engineering, RMK Engineering college, pp.67-75
6. Sakthivel.T and Sanjeevi.R, “Analysis and Design of Four Circuit Narrow Base Transmission Line Tower”, Advances and Innovations in Civil Engineering, MepcoSchlenk Engineering College, pp. 167-173
7. S.Sivaraman, K. Ilamparuthi, V.Kishorekumar,“Uplift response of single and multiple anchors in reinforced sand bed”, National Conference on Geotechnics for the inclusive development of India, Karunya University,PP1941-1945, 2014

#### **Department of Computer Science and Engineering**

1. Mrs.V.MercyRajaselvi, “Image retrieval for pre-defined Image classes using CCM”, Fourth National Conference on Innovation in Intelligence and Computing Technologies, Vol. 3, Issue 6, June 2014
2. Mrs.S.Suchitra, “An Efficient Facial Features Extraction using Local Octal Pattern for Face Recognition”, National Conference on Innovation in Intelligence and Computing Technologies,pp. 1-7,NCIICT2014
3. Mrs.S.Suchitra, “Restoration of degraded document images using sobel edge detection National Conference on Innovation in Intelligence and Computing Technologies”,pp. 78-84, NCIICT2014
4. Mr. P. Harikumar, “Human-Computer Interaction Based On Facial Expression Recognition” , NCIICT-14 National Conference on Innovation in Intelligence and Computing Technologies
5. Mr. P. Harikumar, “Securing Cloud Data Using Homomorphic Encryption” in NCIICT-14, National Conference on Innovation in Intelligence and Computing Technologies
6. Ms.N.D.ThamaraiSelvi, “Multimedia question answering system using page ranking algorithm”, National confererence on innovation in intelligence and computing technologies(NCIICT 2014), pp. 63- 70
7. Ms.N.D.ThamaraiSelvi, “A giant leap to big data:HACE theorem”, National confererence on innovation in intelligence and computing technologies(NCIICT 2014), pp. 8-34
8. Ms.N.D.ThamaraiSelvi, “Brain finger printing using artificial intelligence”, National confererence on innovation in intelligence and computing technologies (NCIICT 2014), pp. 35-40
9. Ms.A.R.Josena, “ Content Based Filtering in Social Networks Using Ontology”, Fourth National Conference on Innovation in Intelligence and Computing Technologies-NCIICT 2014, pp. 41-45

### **Department of Electronics and Communication Engineering**

1. Dr.S.Sudha, “Cup to Disc Ratio detection for Glaucoma Diagnosis”, National Conference on Bioelectronics, Biomaterials and Medical Devices, pp. 752-755, March 2014.
2. Murugappriya, “Image Denoising using Improved Non Local Means Filter”, 7th National Conference on Digital Convergence, RMK Engineering College, pp. 103-112, March 2014.

3. A.T.Madhavi, ShabarinathPremlal, “Implementation of Ethernet Based Monitoring and Controlling Systems”, National Conference on Innovative Electronics and Wide Range Technologies, pp. 103-112, Feb 2014.
4. Murugappriya, “Image Denoising using Improved Non Local Means Filter”, 7th National Conference on Digital Convergence, pp. 49-54, March 2014.
5. K.Abirami, “Voice Based Navigation System For Visually Impaired”, 7th National Conference on Digital Convergence, pp. 77-86, March 2014.
6. Dr.S.Sudha, “Cup to Disc Ratio detection for Glaucoma Diagnosis”, National Conference on Bioelectronics, Biomaterials and Medical Devices, pp. 168-171, March 2014.
7. M.Babu, “Real Time Detcetion and Seperation of Ripe Tomato using LabVIEW”, 7th National Conference on Digital Convergence, pp. 128-133, March 2014.
8. A.T.Madhavi, “Embedded Ethernet Based Monitoring and Controlling System” , National Conference on Emerging Challenges in Information & Communication Engineering, pp. 70-74, April 2014.
9. P.MeenakshiVidya, “Multiple Scan Methodology for Detection and Tuning Small Delay Paths”, National Conference on Emerging Electronics, pp. 16-21, Feb 2014.
10. Dr.G..R.Suresh, “Review on Body Conducted Speech Enhancement using GMM”, 5th National Conference on VLSI, Embedded & Communication & Networks, pp. 168-167, April 2014.
11. K.Surya , “Water Quality Monitoring using Wireless Sensor Model”, 7th National Conference on Recent Trends in Information and Communication Technologies, pp. 128-133, Feb 2014.
12. N.Vidhyalakshmi, “Reduction of Conventional Power Consumption by MPPT Algorithm with a ThermoElectric Generator”, 7th National Conference on Recent Trends in Information and Communication Technologies, pp. 70-74, Feb 2014.
13. Dr.S.Sudha, “Fast Low Power CAM”, 2nd National Conference on Innovations in Computer Technology & Communication, pp. 16-21, Feb 2014.
14. Deepa Divakaran, “Foot Neuropathy Analyzer Embedded in Smart Motion Sensing Shoes for Diabetic Patients”, 2nd National Conference on Innovations in Computer Technology & Communication, pp. 30-34, Feb 2014.

15. K.Suriya, “Deaf and Dumb Communication Device based on Gesture to Voice and Speech to Image/Word Translation with SMS Sending and Language Teaching Ability”, 2nd National Conference on Innovations in Computer Technology & Communication, pp. 103-112, Feb 2014.
16. K.S.Sujatha, “Hybrid Networked Energy Consumption DAQ System for Industries”, 2nd National Conference on Innovations in Computer Technology & Communication, pp. 752-755, Feb 2014.
17. N.Vidhyalakshmi, “An Efficient Architecture for Flexible Divider using Multi Modulo Prescaler”, 7th National Conference on Recent Trends in Information and Communication Technologies, pp. 49-54, Feb 2014.
18. A. Usha, “Analysis Of Speckle Reduction For Images Using Transform Based Noise Model”, National Conference On Information Processing & Remote Computing “, pp. 78-82, February 2014.
19. C. Aishwarya, “Quantifying Tumor using Response Evaluation Criteria in Solid Tumors”, 5th National Conference on VLSI, Embedded, and Communication & Networks, pp.1-5, April 2014.
20. A. Usha, “Measurement of Layer Thickness in Retina by Segmentation Using Curvelet Transform For Oct Images”, 5th National Conference on VLSI, Embedded, and Communication & Networks, pp.9-16, April 2014.
21. P. MeenakshiVidhya,” Automatic LPG Leakage Detection and Hazard Prevention for Home Security,” 5th National Conference on VLSI, Embedded, and Communication & Networks, pp. 121-125, April 2014.
22. S. Dhanalakshmi, “Review of Ultrasound Vascular Assessment Methodologies,” National Conference in Emerging Trends in Electronics, pp. 55-62, August 2014.
23. S.Dhanalakshmi, “Review of Ultrasound Vascular Assessment Methodologies”, National Conference n Emerging Trends in Electronics, pp. 752-755, Aug 2014.

### **Department of Electrical and Electronics Engineering**

1. C.Umayal, P.Divya, “Performance analysis of PFC interleaved boost converter fed PMSM motor drive”, 4th National Conference, Easwari Engineering College, 164-168, 2014

2. SmileeMathuram, C. Sharmila, Sudhakarselva raj, VishakJagadish Ram, Sridhar Aravamudan, “Advanced Security system for communication in smart grid”, 4th National Conference, Easwari Engineering College, 32-35, 2014
3. V.Abirami, Sathiya MP, Indumathi, Chinnadurai, Murali M, “Hybrid power quality compensator in cophase traction systems”, 4th National Conference, Easwari Engineering College, 21-24, 2014
4. Dr.R.Murugan, Barani, Meeenaloshini, AngelinPriyadharshini, Thirunavukarasu, “Analysis of rail gun design parameters using finite element method” 4th National Conference, Easwari Engineering College, 13 to 15, 2014
5. N.O.Gunasekhar, S.Monica, A. Tamil ponni, K.Mani, “Wind energy fed AC drives by using modified back to back converter” 4th National Conference, Easwari Engineering College, 58-60, 2014
6. Mr.S.RameshPrabhu, K. sowmya, G ratha, S. Siva, G.naveenkumar, “Z-source inverter with simple boost control technique for energy efficient solar conversion system”, Technological Advancements in Power Systems and Power Electronics Engineering-TAPSPEE
7. K.V.Thilagar, K.Nithyakumari, Dr.N.o. Gunasekar, “Wind energy fed AC drives by using modified back to back converter” 4th National Conference, Easwari Engineering College, 58-60, 2014
8. Dr.K.kalaiSelvi, K.V.Thilagar, S.manoj, “Design and Implementation of high efficiency Cyclo-Inverter for Induction -Heating”, 4th National Conference, Easwari Engineering College, 209-216, 2014
9. K.V.Thilagar, K.Kalaiselvi, S.manoj, “Design and Implementation of high efficiency Cyclo-Inverter for Induction Heating”, 4th National Conference, Easwari Engineering College, 209-216, 2014
10. M.Devabrindha, R.sahana, S.priya, S.sunitha, “Frequency control using fuzzy logic controller considering governor dead band non-linearity in a deregulated electricity environment” 4th National Conference, Easwari Engineering College, 176-180, 2014
11. SmileeMathuram, Dr.Mala, G.Tamilpavai, “Performance improvement of photovoltaic module using interleaved flyback converter Topologies”, 4th National Conference, Easwari Engineering College, 158-163, 2014

12. Dr.Mala, SmileeMathuram, G.Tamilpavai, “Performance improvement of photovoltaic module using interleaved flyback converter Topologies”, 4th National Conference,Easwari Engineering College,158-163, 2014
13. Dr.Mala, S.Manojprabakar, “Optimal location of compensating devices using heuristic algorithm”, 4th National Conference,Easwari Engineering College, 152-157, 2014
14. K.A.InduSailaja, R.sunder, “Maximum power point tracking of photo voltaic based induction motor drive systems”, 4th National Conference,Easwari Engineering College,146-151,2014
15. M.Devabrindha, E.maheshwari , “Implementation of two inductor boost converter based photovoltaic system using embedded system”, 4th National Conference, Easwari Engineering College, 142-145, 2014
16. T.Chandrasekar ,“Mitigation of harmonics in three phase AC system using current injection technique for adjustable speed drive”, 4th National Conference,Easwari Engineering College, 114-119,2014
17. D.Chandrakala, Kayalvizhi, M.MuthuPonmani, Arul pandiyan, G.Abishek, “Transformerless inverter with virtual DC bus concept for grid connected PV system using DC-DC converter”, 4th National Conference,Easwari Engineering College, 36-42,2014
18. D.Chandrakala, M.Vimala rani, “Performance enhancement of hybrid wind solar power generation system using two inductor boost converter”, 4th National Conference, Easwari Engineering College, 120-124,2014
19. Dr.R.Murugan, M.Jayamthangaroselin, “PV based isolated DC-DC converter for DC applications”,Research avenues in Electronics Applications with new recent technology, 2014
20. J.Lydia, K.Prasannthi , V.Praveen, A.Vidhya , M.subhanthi, “Energy management for hybrid generation system”, 4th National Conference, Easwari Engineering College,1 to6,2014
21. M.Devabrindha,E.mageshwari “Closed loop control of two inductor boost converter based photovoltaic system”, 4th National Conference, Easwari Engineering College 2014

22. SmileeMathuram, S.Vijayarajan, E.vivek, V.Pradeep, R.Ganeshkumar&R.Mohan, “Power Quality improvement in Microgrid using UPQC”, Communication Control and Energy Engineering, Vel Tech, 176-181 , April 2014
23. Dr.R.Murugan, M.Jayamthangaroselin, “Design and implementation of PV based isolated DC-DC converter with reduced ripples” Research avenues in Electronics Applications with new recent technology, 2014
24. A.Rajasekar, Thomas.PJ, “Implemenattaion of high step-up DC-DC conversion system using Cockcroft-Walton voltage multiplier”, Cutting Edge Technologies in Power Conversion and Industrial Drives, 2014
25. A.Rajasekar, Vigneshwaran, Sathish.S, Srinath S, Pradeep, “A high Efficiency fuel cell simulator implemented by an LLC resonant DC-DC converter”4th National Conference,Easwari Engineering College, 46-52,2014
26. JoselineMetilda.A, Janaki P, “An efficient SEPIC converter for dc distribution applications using photovoltaic array” ,Technological Advancements in Power Systems and Power Electronics Engineering,135-141,2014
27. JoselineMetilda.A , S.Abhinaya, G.Pavana, V.Mahalakshmi, S.Sivaraman, DR. C. Sharmeela, “PI Controller based Shunt Active Power Filter for Power Quality Improvement”, Power, Control & Instrumentation ,2014

### **Department of Electronics and Instrumentation Engineering**

1. Mr.Navaseelan P, Dr.BhuvanewariN.S,”Modelling, Fault detection and Isolation of Industrial Boiler”National conference on Recent trends in Chemical Engineering, A.C.Tech, Anna University, Feb 25-26, Feb2014
2. Mrs.S.Malathi, Dr.Bhuvanewari N.S “Review on Advanced Monitoring and Control Strategy of Glass-lined Reactor for PVC Resin”, National Conference on Challenges of Water Resources and Environmental Management, Jan2014
3. Dr.S.Nagarajan, Mrs.R.Praveena, Mrs.R.Lakshmi, Mrs.R.Sudha, “Neural Network Modeling Analysis of Reverse Osmosis Desalination Process”, NCWTRMC, EEC, Chennai. Pg no. 27-32, Sep 2014
4. Dr.SobanaSubramani, Mr.R.Prasanna, Mr.S.Saranraj, “Design of Experiment, ANOVA and MANOVA Modeling for Reverse Osmosis Desalination Process”, NCWTRMC, EEC, Chennai. Pg no. 20-22, Sep 2014

5. Dr.SobanaSubramani, Mr. Navaseelan.P, Mrs.Sughasini.K.R, “Identification and Modeling of Continuous Desalination Process using Forward Osmosis – A Review”, NCWTRMC, EEC, Chennai. Pg no. 41-44, Sep 2014
6. Dr.Sobana.S, Mrs.Pearley Stanley, Mrs.V.Sunanthini, “Parameter Estimation, Modeling and IMC-PID Control of Temperature using Cascade Control Strategy”, NCWTRMC, EEC, Chennai. Pg no. 81-88, Sep 2014
7. Mrs.Gunaselvi Manohar, “Home Appliance Control Through Radio Frequency Transmitter Embedded in Wheel Chair and Its Navigation Control”, NCWTRMC, EEC, Chennai. Pg no. 110-112, Sep 2014
8. Mrs.T.Kalaiselvi, “IV Therapy Supervision and Control”, NCWTRMC, EEC, Chennai. Pg no. 45-47, Sep 2014
9. Mrs.Malathi.S, Mrs.Chinthamani.B, Mrs.Kamini.K.P, Ramesh.V, “Review:Efficiency of Carbon Nanotube Membrane for Water Purification and Desalination” NCWTRMC, EEC, Chennai. Pg no. 103-109, Sep 2014
10. Mrs.R.Praveena, Mrs.R.Srimeena, Ms.V.AnjaliPriya, “Fuzzy Modeling Analysis of Reverse Osmosis Desalination Process”, NCWTRMC, EEC, Chennai. Pg no. 7-13, Sep 2014
11. Mrs.K.R.Sughashini , “Specialised Dual control of Industrial Bay Devices through Computer keyboard”,
12. Mrs.S.Malathi , “Steady State &dynamic modeling of Bio-hydrogen reactor for bio-hydrogen production from waste water by fermentation” , National Conference on Water Treatment, Reuse, Modeling and Control of Desalination Process, Easwari Engineering College, pp.110, Sep 2014

### **Department of Information Technology**

1. M. Mohana, Guard Against Gray Hole Attack in Wireless Network National Conference on Recent Innovations in Science Engineering and Technology (NCRASET)- MONTH 2014

### **Department of Mechanical & Automobile Engineering**



1. C. Hariharan, “Accelerator Connecting Rod Modification and Link Reduction”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-12, Apr-14.
2. R Prasanna, “Design of a Die Cut Roller with Half Cut and Full Cut in a Single Tool with a Tester Machine”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-13, Apr-14
3. B Gopinath, “CFD Investigation of Influence of Span Wise Pitch on Local Heat Transfer Distribution for Inline Array of Impingement Jets with Medium Cross Flow”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-13, Apr-14.
4. P Sivaniranjan, “CFD Simulation of Drying of Wheat”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-14, Apr-14.
5. A. Deepan Raj Kumar, “Combustion Optimization for Lignite - Powered Boilers”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-14, Apr-14
6. S Jaichander, “Design of Pneumatic Assisted Magnetic Gripper for Pick and Place Operation of Collecting Electrode Plate”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 15, Apr-14
7. S. Vijaya Kumar, “Effects of Different Piston Bowl Shapes on Combustion and Performace of ECR Engine Running on Bio Diesel”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-16, Apr-14
8. J Deepak, “Experimental Analysis of Performance, Combustion and Emission Charecteristics of a Vcr Ci Engine Run on Biodiesel - Diesel Blends”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-16, Apr-14
9. S Anand and S Dheepak, “Conversion Of Mechanical to Electric Water Pump for A Compression Ignition Engine”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-25, Apr-14
10. V Elango, “Automated Inspection System using MATLAB”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-25, Apr-14

11. Ramya Suresh and K. Senthilnathan, “Analysis of Welding and Improving the Quality of Weld”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-27, Apr-14
12. S. Muthukumaran, “Analytical and Finite Element Analysis of Composite Leaf Springs”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-14
13. S Suganya, “Automatic Inspection of Cracks and Corrosions in Pipelines”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-14
14. V. G. Ganesan, “Tribological Behaviour of Tungsten”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-14
15. T Vasanthavanan, “Characterisation and Microstructure Studies on Aluminium/Lignite Fly Ash/Graphite Nano Composites”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-29, Apr-14
16. P Jeyaprakash, “Characterisation Study of Glass Fibre Reinforced Plastics under Low Velocity Impact Test”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 29, Apr-14
17. V. H. MahendraBabu , “Impact of Adding Silicon Carbide in Epoxy Reinforced E-Glass Fibers”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-30, Apr-14
18. K G Ashok and Ravichander, “Mechanical Test on CFRP and GFRP”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 31, Apr-14
19. K.K. Nagachandrika, “Process Planning and Injection Molding Die Preparation for Mini Propeller”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-31, Apr-14
20. S Dheepak, “Robotic Arm Manipulator”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 33, Apr-14
21. M Noothan, “Semi Automation of Leak Testing in Engine Cylinder Head by Pneumatic System”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 33, Apr-14

22. K. Karthikeyan, “Study and Analysis of Shot Sleeve”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 34, Apr-14
23. Suresh Kumar, “Study of GFRP under High Velocity Impact Test”, Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-35, Apr-14

### **Department of MBA**

1. Mr. R. Vasudevan, “Building Global Brands on the Web”, National Seminar on Emerging Trends in Management organized by Department of Management Studies, Sourashtra College, Madurai on 28th March 2014.
2. Mr. R. Vasudevan, “Supply Chain Management”, National Seminar on Emerging Management Trends and Strategies held at Periyar Institute of Management Studies, Salem on 6th & 7th March 2014 and published in Emerging Management Trends and Strategies (Emts – 2014), pp. 128 – 135.
3. Mr. R. Vasudevan, “Risk Management”, National Conference on “Banking in Economic Development”, organized by K.C.S.KasiNadar College of Arts & Science, Chennai on 12th September 2014.
4. Mr. R. Vasudevan, “Financial Sector Reforms for Corporate Sustenance”, National Conference on Corporate Sustenance organized by Bharathidasan Government College for Women, Puducherry, on 25th & 26th July 2014.
5. Mrs. R. Banureka, “A Conceptual Review of Socially Responsible Investment”, National Conference on Management Research in a Changing Climate “MRCC 2014” organized by Department of Management Studies, Easwari Engineering College on 17th October 2014, published in “Management Research in a Changing Climate”, ISBN No. 978-93-83241-56-9, pp. 313 - 315.
6. Mrs. Pavithra V, “A Study on Women’s Attitude towards Online Shopping by E-Retailers”, National Conference on Management Research in a Changing Climate “MRCC 2014” organized by Department of Management Studies, Easwari Engineering College on 17th October 2014 and published in “Management Research in a Changing Climate”, ISBN No. 978-93-83241-56-9, pp. .
7. Mr. S. Chandrasekaran & Dr. Mu. Subrahmanian, “Strategies for Changing Shoppers Buying Behaviour towards Toys”, National Conference on Management Research in a

Changing Climate “MRCC 2014” organized by Department of Management Studies, Easwari Engineering College on 17th October 2014 and published in “Management Research in a Changing Climate”, ISBN No. 978-93-83241-56-9, pp. .

8. Mrs. V. Gayathri, “Factors Influencing Work Stress among Employees – A Conceptual Review”, National Conference on Management Research in a Changing Climate “MRCC 2014”, organized by Department of Management Studies, Easwari Engineering College on 17th October 2014.
9. Mr. Nataraj B. & Ms. Madhumitha T, “The Role of Small and Medium Enterprises in India”, National Conference on Management Research in a Changing Climate “MRCC 2014”, organized by Department of Management Studies, Easwari Engineering College on 17th October 2014.