

EASWARI ENGINEERING COLLEGE

Technical Paper Publications in International Journal in the Year 2013

Department of Automobile Engineering

1. Solomon G Ravikumar, Ravikumar T S, Raj V Antony Aroul Raj, Velraj R, “Performance Analysis of Thermal Storage Unit with Possible Nano Enhanced Phase Change Material in Building Cooling Applications”, Energy Storage Science and Technology, ISSN: 2095-4239, Vol – 2, No. 2, pp 91 – 102, March 2013. **DOI: 10.3969/j.issn.2095-4239.2013.02.002**
2. **D.Balajee**, G.Sankaranarayanan, P.Harish, and N.Jeevarathinam “Performance and Combustion characteristics of CI engine with variable compression ratio fueled with pongamia and jatropha and its blend with diesel”, International Journal of Mechanical Engineering and Robotics research, ISSN 2278-0149, Vol 2, No. 3, pp: 74 – 85, July 2013.

Department of Civil Engineering

1. K.V.Harish, J.K.Dattareya, M.Neelamegam, “Mechanical properties of ultra high performance concrete using conventional material”, Indian Concrete Institute, ISSN 0972-2998, pp.9-23, December 2013.

Department of Computer Science and Engineering

1. Mr.C.U.Omkumar, “Event Driven Optimizer: An Approach To Optimize The Events That Transition From Inception To Elaboration Phase”, International Journal Of Computer Science Engineering Research and Development(IJCSEED), ISSN 2248 – 9363 (Print) ISSN 2248 – 9371(Online), Vol. 3, No. 1, pp 12-22, Jan- March 2013.
2. Ms.N.D.ThamaraiSelvi, “Visual role mining to avoid text complexity using fuzzy logic decision system”, International journal of advanced research in computer science, ISSN 0976-5697, Vol:4, No:4, April 2013.
3. Mr.C.U.Omkumar, “An UML Approach to Overcome Issues of Concurrency in Distributed Systems”, International Journal of Computer Technology(IJCT), Vol.4, No. 2, ISSN: 2277- 3061, 2013, PP.566 – 571, 2013

4. Dr.K. Komathy, “Performance Analysis of Various Lymphocytes Images De-Noising Filters over a Microscopic Blood Smear Image”, International Journal of Pharma and Bio Sciences, ISSN 0975-6299, Vol.4, No.4, pp: 1250 – 1258, 2013. **(Scopus)**
5. Mrs.S.Sobitha Ahila, “Agent Based System Providing Parental Control for Children using Fingerprints”, Australian Journal of Basic and Applied Sciences, Vol. 7, Issue 14, pp.138 - 141, 2013.
6. Mr.C.U.Omkumar, “Analysis of Web Server Log by Web Usage Mining for Extracting Users Patterns”, International Journal of Computer Science Engineering Information Technology Research(IJCSEITR), ISSN 2249-6831, Vol. 3, Issue 2, pp.123-136, June 2013.
7. Mr.K.Muthukumar, Mr.D.Jeyakumar, Mr.C.U.Omkumar “A Concise Evaluation of Issues and Challenges in MANET Security”,International Journal of Emerging Technology and Advanced Engineering, Volume -3, Issue – 9, ISSN: 2250-2459, PP:282-289, September 2013.
8. Mrs.RashmitaKhilar, “A Survey On Object Recognition, Detection and Tracking In Video”,International Journal Of Recent Advances in Engineering & Technology (IJRAET), Volume – 1, Issue – 1, ISSN:2347-2812, PP:125-129, Oct 2013.
9. Mrs.S.Suchitra, “A Survey On Face Detection”, International Journal Of Recent Advances in Engineering & Technology (IJRAET), Volume – 1, Issue – 1, ISSN:2347-2812, PP:113-118, Oct 2013.

Department of Electronics and Communication Engineering

1. Murugapriys, Dr.Suresh.G.R, “Impulse Noise Removal using Cloud Model based Filter”, International Journal of Computer Applications, ISSN: 0975 – 8887, Vol. 65, No. 23, pp. 30 - 34, 2013.
2. Dr.Suresh.G.R, “Performance Analysis in Computer Aided Detection of Breast Cancer using Mammography”, International Journal in IT and Engineering, ISSN: 2321-1776, Vol. 1, No. 2, pp. 48 – 61, 2013.
3. Ms.Anita Titus, “QRS Based Arrhythmia Classification Using K-NN Architecture”, International Journal of Research in Engineering & Advanced Technology, ISSN:2320 – 8791, Vol. 1, No. 3, pp. 1 – 8, 2013.

4. Ms.K.L.Hemalatha, “Accumulator Based Pseudorandom BIST”, International Journal of Computer Applications in Engineering Sciences, ISSN: 2231-4946, Vol. 3, special Issue, pp. 105 – 111, August 2013.
5. Dr.G.R.Suresh, “Performance Analysis of Secure Medical Image Communication with Digital Signature and Reversible Watermarking”, ICTACT Journal on Image and Video Processing ,ISSN: 0976-9102 ,Vol.4, No. 1, pp. 647 – 651, 2013.
6. Ms.K.L.Hemalatha, “An Efficient Logic Test Structure For Low Power Testing”, International Journal of Computer Applications in Engineering Sciences, ISSN: 2231-4946, Vol. 3, Special Issue, pp. 112 - 117, 2013.
7. Ms.R.Senthamizh Selvi, “Novel High Speed Architecture for Median Filter”, International Journal of Science and Research, ISSN: 2319-7064, Vol. 2, No. 4, pp. 57 - 61, April 2013.
8. Mr.B.Arivuselvam, “Underwater Robot for Data Collection Using Optical Transceiver”, International Journal of Emerging Trends in Electrical and Electronics, ISSN: 2320-9569, vol. 2, Issue 2, pp. 1 - 4, April 2013.
9. Mr.T.Rajesh Kumar, “Real Time Recovery of Text Based on FPGA”, International Journal of Emerging Trends in Electrical and Electronics, ISSN: 2320-9569, Vol. 3, No. 3, pp. 76 – 80, May 2013.
10. Mr.B.Arivuselvam, “Implementation of Graphic Simulator Based 3 Axis Robot”, International Journal of Emerging Trends in Electrical and Electronics, ISSN: 2320-9569, Vol. 1, Issue 3, pp. 60 – 62, March 2013.
11. Shoba P, “Implementation of Wireless Sensor Network For Monitoring And Controlling Induction Motor”, International Journal of Research in Engineering & Advanced Technology, ISSN: 2320-8791,Vol. 1, Issue 5, pp. 1-8, Oct - Nov 2013.
12. Mr. B. Arivuselvam, “Automatic Speech Recognition System for Real Time Applications”, International Journal of Engineering Innovation and Research, ISSN: 2277 – 5668, Vol. 2, No. 2, pp. 157 - 160, 2013.
13. Dr.G.R.Suresh, “Detection of Microcalcification in Mammogram Images using Support Vector Machine based Classifier,” ITSI Transactions on Electrical and Electronics Engineering, ISSN: 2320 – 8945, Vol.1, No. 2, pp. 27 – 32, 2013.

14. Suresh G R, “Comparative Analysis of DS AND IDS Algorithms in Super-Spatial Structure Prediction for Medical Image Sequences”, ICTACT Journal on Image and Video Processing, ISSN: 0976-9102(ONLINE), Volume: 04, Issue: 01, August 2013.
15. Suresh G R, “Enhancing Efficiency of Spiht using HCC for Medical Image Sequences”, i-manager’s Journal on Computer Science, Vol. 1, No. 2, pp. 1- 7, June - August 2013.
16. Dr.G.R.Suresh, “Latest Advances in Computer-Aided Detection of Breast Cancer by Mammography” International Journal in IT and Engineering, ISSN: 2321-1776, Vol. 1, No. 6, 13 pages, November 2013.

Department of Electrical and Electronics Engineering

1. R.Karpagam, Ramanujamsarathi, ajaypratap, Toshikatsu Tanka, “Understanding Discharges Initiated by Water Droplet on Epoxy Nanocomposites under DC Voltages Adopting UHF Technique”, IEEJ Transaction on Electrical & electronics Engineering, Trans. 8, pp. 427–431, 2013. **DOI:10.1002/tee.21876**
2. C.Umayal, D.Saranya Devi,” Modelling and Simulation of PFC SEPIC Converter fed PMBLDC Drive for Mining Application”, International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091, Vol.2 , No.2, pp. 203 – 208, 2013.
3. R.Karuppasamy, M.Devabrinda, “3SSC and 5VMC DC-DC Converter for non isolate high voltage gain”, International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091, Vol.2 , No.2, pp. 226-231, 2013.
4. Bharathram, Kirubhahar Praveen P, Chandrakala D, AkshayJalan, GowthamRam N, “Brake Pad Actuation using Electromagnetic Coils”, Indian Streams Research Journal - ISRJ, MEPED’13, ISSN: 2230-7850, 5 pages, 2013.
5. SmileeMathuram, Sharmela C. “ZigBee Based Underground Cable Monitoring System”, IJSC, A.C.Tech, ISSN:1816-9503, Vol.8, No.6, pp. 424 – 434, 2013.
6. A.V. Shrinivass, R.Shravanthi, SidhantSath, A.PeerFathima, “Design of Dyadic Derregulation with focus on choice of controllers”, Indian Streams Research Journal - ISRJ, METHODS ENRICHING POWER & ENERGY DEVELOPMENTS (MEPED'13), ISSN: 2230 - 7850, 6 pages, April 2013.
7. C.Umayal, S.Rama Reddy, “Implementation of Closed Loop Controlled PFC Bridgeless Cuk Converter Fed PMBLDC Motor in Mining Applications”, International REview on

- MOdelling and Simulation - I.RE.MO.S, ISSN:1974-9821, Vol 6, No.4, pp. 1088 – 1095, 2013.
8. K.S.Pandiyan, A.Rajasekar, “High Step DC-DC Converter with Single Transformer for low DC Renewable Energy Source”, International Journal of Advanced Trends in Computer Science and Engineering, ISSN No 2278-3091, Vol.2 , No.2, pp.222-225, 2013.
 9. S. Uma Mageswaran, Dr.N.O.GunaSekhar, “Reactive Power Contribution of Multiple STATCOM using Particle Swarm Optimization”, International Journal of Engineering and Technology (IJET), ISSN : 0975-4024, Vol 5, No 1, pp.122 – 126, 2013.
 10. S. Uma mageswaranand n.o.gunasekhar “Reactive Power Allocation Using Modified Y – Bus Matrix Method” Indian Streams Research Journal - ISRJ, ISSN:-2230-7850, Volume 2, Issue.12, pp. 1- 6, January 2013.
 11. K.KalaiSelvi, NandithaDasGupta K.Thirunavukkarasu,“Effects of post oxidation annealing on electrical and interface properties of high pressure water vapour oxidized SiO₂/SiC metal-oxide – semiconductor capacitors”, Thin solid films, ISSN: 0040-6090, Volume 531, pp.373–377, 2013. **Impact Factor 2013:1.604. Impact Factor 2014:1.759. (Web of Science)**
 12. Dr.Murugan, C.Gopinath, C.Yaashwanth, R.Ramesh, “A Novel Load Side Compensation for Voltage Sag / Swell using Dynamic Voltage Restorer”, Pensee journal Vol.75, No.9, pp.312 – 323, 2013.
 13. T.Chandrasekar, Dr. Justus Rabi, A. Kannan ,V.Suganya, “A Study and Review of Current Injection Techniques”, International Journal of Technology and Engineering Science (IJTES), ISSN:2320-8007, Vol.1, No.6, pp. 1008 – 1013, 2013.

Department of Electronics and Instrumentation Engineering

1. S.Sobana, “Parameter Estimation of Reverse Osmosis Process Model for Desalination”, International Journal of Computers & Technology, Council for Innovative Research, ISSN 2277-3061, Vol.11, No.6, pp. 2668 – 2681, Nov 2013.

Department of Information Technology

1. A.K.Mariappan,HridyaSobhanam, “A Hybrid Approach to solved cold star problem in recommender system using Association rules & Clustering Techniques”, International

- Journal of Computer Application, ISSN 0975 – 8887, Vol.74, No.4, pp. 17 – 23, July 2013.
2. Dr.D.Sivakumar, “Energy Efficient Data Collection In Wireless Sensor Networks Using Mobile Sink”, International Journal of Advance Computational Engineering and Networking, ISSN: 2320-2106, vol. 1 issue 10, pp. 4 pages, Dec 2013
 3. Dr.D.Sivakumar, “Data Gathering in Wireless Sensor Networks using mobile sink”, International Journal of Advance Computational Engineering and Networking, ISSN: 2320-2106, volume 1, Issue 10, 4 pages, December 2013.
 4. Dr.D.Sivakumar, “Dynamic Authenticated TCP Serialize Approach”, International Journal of Science & Research, ISSN: 2319-7064, Volume 2, Issue 3, pp. 304 – 309, March 2013.
 5. Dr.D.Sivakumar, A. Priyadharsini, Mr. S. Mohanarangan, “Minimization of congestion using Back pressure Routing algorithm in Wireless Networks”, International Journal of Modern Engineering Research, ISSN: 2249-6645, Volume 3, Issue 3, pp. 1681 – 1689, May - June 2013.
 6. Dr.D.Sivakumar,M.N.Faruk, “A Novel Approach for Resource Discovery using Random Projection on Cloud Computing Environments”, International Journal of Engineering and Technology, ISSN : 0975-4024, Vol 5, No 2, pp. 1812 – 1816, Apr - May 2013 .
(Scopus)
 7. Dr.D.Sivakumar,N.NoorAlleema, “Provident Routing Scheme Rely on Swarm Astuteness for MANET”, International Journal of Computer Applications, ISSN: 0975 – 8887, Vol. 83, No. 9, pp. 31 – 35, Dec 2013.
 8. Mrs.M.Mohana, “A Review on Concurrency issues in Mobile Environment”, International Journal Computer Networking, Wireless and Mobile Communication, ISSN (P): 2250-1568; ISSN(E): 2278-9448, Vol. 3, Issue 5, pp. 49 – 54, Dec 2013 .
 9. Mrs.R.Priyadharshini, “Intelligent Supplier Selection for Corporate Using Knowledge Management Framework”, International Journal of Recent Advances in Engineering &Technology (IJRAET), ISSN (Online): 2347 - 2812, Volume-1, Issue - 1, pp. 108 – 112, Oct 2013.

10. A.K.Marriappan, Dr.R.M.Suresh and Dr.V.SubbiahBharathi, “Semantic Meta Search Engine using Semantic Similarity Measure”, Journal of theoretical & applied Information Technology ISSN: 1992-8645, Vol. 50, No. 3, pp. 523 – 532, April 2013. (**Scopus**)
11. Viswanathan, C., M. Mehata, K., Tamilselvan, Latha, “Call Admission Control based on Bandwidth Allocation in Ultra Wide Band (UWB) Ad Hoc Networks”, International Journal of Computer Applications, ISSN: 0975 – 8887, Vol. 69, No. 1, pp. 14 – 20, May 2013.
12. Dr.S.KanagaSuba Raja, T. Jebarajan, “Level Based Fault Monitoring and Security for Long Range Transmission in WBAN”, International Journal of Computer Applications, ISSN: 0975-8887, Volume 64, No. 1, pp. 1 - 9, February 2013.

Department of Mechanical Engineering

1. KrishnakumariAharamuthu and ElayaPerumalAyyasamy, “Application of discrete wavelet transform and Zhao-Atlas-Marks transforms in non-stationary gear fault diagnosis”, Journal of Mechanical Science and Technology, ISSN: 1738-494X (print version), ISSN: 1976-3824 (electronic version), 27 (3), 641-647, 2013. **DOI 10.1007/s12206-013-0114-y. (Web of Science)**
2. Vivekanandhan. P, Anand. S and Paramasivam. A, “Routing Optimization of Third Party Logistics Operations Using Greedy Search Approach”, Journal of Logistics Management, vol. 2, no. 1, 2013, pp. 1 – 8. **DOI: 10.5923/j.logistics.20130201.01**
3. **C. Sreepadha, A. Krishna Kumari, A. ElayaPerumal, Rames C. Panda, K. Harshabardhan and M. Aribalagan, “Neural network model for condition monitoring of wear and film thickness in a gearbox”, Neural Computing and Applications, Springer, 2013. DOI 10.1007/s00521-013-1427-6**
4. KrishnakumariAharamuthu, ElayaperumalAyyasam, “Gear fault diagnosis using vibration signals based on decision tree assisted intelligent controllers, Vibroengineering”. Journal of Vibroengineering, ISSN 1392-8716, Volume 15, Issue 4, pp. 1826 – 1837, December 2013. **Impact Factor 2013:0.452. Impact Factor 2014:0.617. (Scopus), (Web of Science)**

Department of Chemistry

1. G. Divya K. Saravanan S. Santhiya K. Chandralekha and S. Lakshmi, “1-(3,5 – Dimethoxyphenyl) – 4,5 – dimethyl – 2 – phenyl – 1H – imidazole”, *Acta Crystallographica*, E69, o1502, Structure Reports, ISSN No. 1600-5368, 2013. DOI:10.1107/S1600536813023684. (Scopus).

Department of English

1. Dr. S. Usha Menon, “Collaborative Learning: An Antidote for Unheard Voices in Language Classrooms”, *Language in India*, ISSN 1930-2940, volume 13:12, pp.323–329, December 2013.

Department of Mathematics

1. S.R.Ananthalakshmi , “Performance analysis of an M/G/1 Queueing System Under Bernoulli vacation schedules with server setup and close down periods”, *Computers & Industrial engineering*, Vol. 66, No.1, 2013, pp. 1 – 9.
<http://dx.doi.org/10.1016/j.cie.2013.06.005>
2. A.Gangadharan, “Fekete- Szeogo problems for Quasi – subordination classes”, *International journal of Research in Engineering and Sciences (IJRES)*, ISSN (Online): 2320-9364, ISSN (Print): 2320-9356, Volume 1, Issue 4, August 2013, pp. 25 – 30.
3. T. K. Suresh, “Strong Differential Subordination and Superordination of Analytic Functions Associated with Komatu Operator”, *International Journal of Nonlinear Analysis and Applications*, online ISSN: 2008-6822, vol. 4, No. 2, 2013, pp. 26 – 44.
4. T. K. Suresh, “Some Subclasses of p-Valent Analytic Functions”, *Global Journal of Science Frontier Research (F) - Mathematics & Decision Sciences*, Volume 13, Issue 3, Version 1.0, 2013, pp. 15 - 25.
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Department of Physics

1. S. Elangovan and S. Mullainathan “Ultrasonic studies of mixtures of ethyl formate and n-alcohols in carbon tetrachloride”. *Indian Journal of Physics*. Vol.87, pp. 373 – 378, April 2013. DOI 10.1007/s12648-012-0230-z

2. S. Elangovan and S. Mullainathan “Ultrasonic studies of intermolecular interaction in binary mixture of n-methyl formate with 1-propanol at various temperatures”, Indian Journal of Physics. Vol. 87(7), pp. 659 – 664, 2013. **DOI 10.1007/s12648-013-0288-2**
3. K. Senthil Kumar, S. Moorthy Babu, Binay Kumar, and G. Bhagavannarayana, “Properties of ferroelectric glycine phosphite single crystals”, AIP Conf. Proc. 1536, pp. 901 – 902, 2013. **doi: 10.1063/1.4810520**
4. K. Senthil Kumar, S. Moorthy Babu, BinayKumar, G. Bhagavannarayana, “Effect of rare earth ions on the properties of Glycine Phosphite single crystals”, Journal of Crystal Growth, vol.362, pp.343–348, Jan 2013. **doi:10.1016/j.jcrysgro.2011.10.031**
5. T. Gurusurthi and P. Murugakoothan, “Synthesis, Growth and Characterization of Nonlinear Optical Nd- Doped L-Proline Picrate Single Crystal”, Non Linear Optics and Quantum Optics, ISSN: 1543-0537 (print), ISSN: 1944-8325 (online), vol. 45, No. 3, pp. 161 – 170, 2013.
6. S. Elangovan and S. Mullainathan “Ultrasonic Studies of Brompheniramine with 1-Butanol at 303,308 and 313K”, Elixir Ultrasonics, ISSN 2229-712X, vol. 58A, pp. 15048 – 15052, 2013.
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Department of MBA

1. Dr. Mu. Subrahmanian, “Employee Engagement Activities – A Conceptual Study”, Annamalai Journal of Management, ISSN, Vol.6, Special Issue 2, pp. 103-106, Dec. 2013.
2. Dr. Mu. Subrahmanian, “A Study on Urban Shoppers Buying Behaviour in Organised Retail”, Global Journal of Business and Management Research, Vol. 1, Issue 1, pp. 79-81, Dec. 2013.
3. Dr. Mu. Subrahmanian, “A Study on Techniques used by Dabbawallas in the city of Mumbai”, Annamalai Journal of Management, Vol. 6, Issue 2, pp. 86-89, Dec. 2013.
4. Dr. Mu. Subrahmanian, “Leadership and Organisational Citizenship Behaviour of Employees in Manufacturing Industry”, International Journal of Research in Social Sciences, Vol.3, Issue 4, pp. 535-548, Nov. 2013.

5. Dr. Mu. Subrahmanian, “Job Stress for Women Employees in IT Sector: A Study in Chennai”, *Personnel Today*, Vol. 34, No. 2, pp.9-14, Sep.2013.
6. Dr. Mu. Subrahmanian, “Employee Engagement – A Review of Literature”, *Asian Journal of Research in Business Economics and Management*, Vol. 3, Issue 5, pp. 168-179, May 2013.
7. Dr. Mu. Subrahmanian, “Employees’ Perspective Towards Organisation Culture in Automobile Industries in Chennai”, *Journal of Business Management and Applied Economics*, Vol. 1, Issue 1, pp.1, Jan. 2013.
8. Dr. S. Meenakumari, “A Study on Identification of Factors Influencing Worklife Balance Among Employees in Services Sector with special reference to IT”, *EXCEL International Journal of Multidisciplinary Management Studies*, Vol.3, Issue 1, pp. 1, Jan. 2013.

Department of MCA

1. Mrs. P. Alagambigai, Dr. K. ThangaVel, “Knowledge Assisted Visualization for imbalanced Data Clustering”, *International Journal on Computer Applications*, ISSN: 0975-8887, *ICCCMIT-2012*, Special Issue, pp. 6 – 13, 2013.
2. Mrs. B. Booba, Dr. T.V. Gopal, “Comparison Of Ant Colony Optimization & Particle Swarm Optimization In Grid Environment”, *International Journal of Advanced Research in Computer Science and Applications*, ISSN: 2321-872X-Online, 2321-8932- Print, Vol.1, No.5, pp.27-33, 2013.
3. Mrs. A. Kalaivani, Ms. M. Deepika, Mr. S. Janarthanan, “A Supervised Classifier for Natural Images”, *International Journal of Computer Applications*, ISSN: 0975-8887, *NCRTCA’13*, Special Issue, pp.22-27, 2013.
4. Mrs.K. S. Selvanayaki, Dr. Rm. Somasundaram, “A Survey on Image Segmentation Techniques for Edge Detection”, *International Journal of Computer Applications*, ISSN 0975 – 8887, Special Issue on *ICICIC-2013*, pp.31-34, 2013.