

SSN College of Engineering

Kalavakkam - 603110

Publication of Research Papers in Refereed Journals – 2015

1. V.Rajini, W.Abitha Memala, published a paper titled," Single phasing fault identification using wavelet analysis",International Journal of Engineering and Technology (IJET), Vol 6 No 6 Dec 2014-Jan 2015,pp2712-2721, ISSN : 0975-4024, SJR impact factor 0.14
2. N. Umadevi,M. Balaji, V. Kamaraj and L. Ananda Padmanaban,"Data Interpolation and Design Optimisation of Brushless DC Motor Using Generalized Regression Neural Network"Journal of Electrical Engineering and Technology, 2015, 10(1) pages 188-194, Impact factor 0.517,S.No in Annexure I list 4593.
3. M.Sudhakaran (Research scholar) and R.Seyezhai published a paper titled, " Performance Evaluation of Variable frequency PDPWM Technique for an Trinary Hybrid Multilevel Inverter', International Journal of Applied Engineering Research Research India Publications, Volume 9, Number 24 (2014) pp. 23717-23732, ISSN 0973-4562,(Anna University Annexure-II):
4. Nelson Iruthayanathan, K. S. Vishvakshan, V. Rajendran, and Sai srinivasan Mohankumar. (January 2015) "Performance analysis of turbo-coded MIMO–OFDM system for underwater communication." Computers & Electrical Engineering 43 (2015): pp.1-8. doi:10.1016/j.compeleceng.2015.01.018
5. R. Rajavel (Faculty- ECE), P. S. Sathidevi (Faculty - NIT Calicut), “Optimum integration weight for decision fusion Audio - visual speech recognition”, International Journal of Computational Science and Engineering, Volume - 10, No. 1 / 2, Jan, 2015, pp 145-154, unpaid, Abroad.
6. N. Balasaraswathy (Student PG), R. Rajavel (Faculty- ECE), “Low-complexity Power Spectral Density Estimation”, Springer’s Artificial Intelligence and evolutionary Algorithms in Engineering Systems, Advances in intelligent systems and computing, Volume-325, Jan. 2015, pp 273-282, DOI: 10.1007/978-81-322-2135-7_30, unpaid, Abroad.
7. Velan, S (Student/CEG), Sundarsingh, E.F(Faculty/SSN), Kanagasabai, M, Sarma (Student/CEG), A.K, Raviteja, C (Student/CEG), Sivasamy, R (Faculty/SSN), Pakkathillam, J.K (Student/CEG), "Dual-Band EBG Integrated Monopole Antenna Deploying Fractal Geometry for Wearable Applications," IEEE Antennas and Wireless Propagation Letters, Jan 2015, Vol.14, pp.249-252, DOI:10.1109/LAWP.2014.2360710, IF: 1.948 (Thomson Reuters), unpaid, Abroad
8. L.Suvasini (Student UG), S.Prethivika (Student -UG), S.Sakthivel Murugan (Faculty- ECE), V.Natarajan (Faculty Instrumentation-MIT), “ Extraction of Binary Sequences ina Frequency shift Keying Modulated signal by Empirical Mode Decomposition algorithm against ambient noises in underwater acoustic channel”, Springer’s Artificial Intelligence and evolutionary

- Algorithms in Engineering Systems, Advances in intelligent systems and computing Volume -325, Jan, 2015, pp 371-378, DOI: 10.1007/978-81-322-2135-7_40, unpaid, India.
9. Vishal Ramaswamy C.V. and Angel Deborah S., "A survey of Robotic Hand-Arm Systems", International Journal of Computer Applications, Vol. 109(8), January 2015, pp. 26-31
 10. Suresh Jaganathan, Dhivya Veerappan, "CIADS: A Framework for Secured Storage of Patients Medical Data in Cloud", International Journal of WSEAS Transactions on Information Science and Applications, (IF 0.248, SJR 0.151, Annexure-II) (Accepted), January 2015.
 11. K. Koushik Balaji and M.S. Alphin, "Computer-aided human factors analysis of the industrial vehicle driver cabin to improve occupational health", International Journal of Injury Control and Safety Promotion, DOI:10.1080/17457300.2014.992351, Jan 2015
 12. P.Sangeetha, 'Experimental and Analytical behavior of Space truss structure' in the journal Wulfenia, Vol. 22, No.1, Jan.2015, pp 38-47.
 13. Akkineni surya Teja, Revathi M, and Dr.R.Rajkumar, 'Study of high Performance Concrete' Journal of Basic and Applied Engineering Research, Vol.2, No.4, January- March 2015, pp 252-256.
 14. Nucleation kinetics and growth aspects of negative solubility lithium sulphate monohydrate single crystal A. Silambarasan, P. Rajesh, P. Ramasamy Journal of Crystal Growth, Volume 409, 1 January 2015, Pages 95-99
 15. Study on structural, morphological, optical and thermal properties of guanidine carbonate doped nickel sulfate hexahydrate crystal . Silambarasan, P. Rajesh, P. Ramasamy Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 134, 5 January 2015, Pages 345-349
 16. S. Radha(Research Scholar) and R. Jayaparvathy(Prof/ECE), "Enhancing Quality and Efficiency of Service in Network Communication using rough set theory, International Journal of Applied Engineering Research Volume 10, No. 6, January 2015.
 17. C.L.Vasu(Research Scholar) and R.Jayaparvathy(Prof/ECE), "A Low cost AMR Technology based on Power -line Signalling", International Journal of Applied Engineering Research, Vol 10 No.4 (January 2015) pp 10375-10387, February 2015
 18. Ganesan P, Rajini V Prof/EEE published a paper titled , " segmentation and denoising of noisy satellite images based on modified fuzzy C means clustering and discrete wavelet transform for information retrieval", International journal of Engineering Technology, Vol 5, No 5, Dec 2014. pp 3858-3869(H index 03, citations 03, scopus 03.
 19. K. N. Dineshbabu (PhD Student), R. Ramaprabha (Asso. Prof.), V. Rajini (Prof.), Kamal Bansal & Bala Vinayagam, "Comprehensive Analysis of Auto Synchronization Techniques in Solar Photovoltaic Grid Connected Systems", Journal of Modern Applied Science (ISSN 1913-1844; E-ISSN 1913-1852), Vol. 9, No. 2, pp. 278-285, Feb 2015. SJR Impact factor 0.22.

20. Ganesan P, RajiniV Prof/EEE published a paper titled,," satellite image segmentation based on YCbCr color space", Indian journal of science and technology, Vol 8, No1, jan 2015
21. Ganesan P, RajiniV Prof/EEE published a paper titled,," The region of forest fire detection and segmentation using high resolution satellite images based on clustering," international journal of advanced life sciences vol 7, no3, pp 3851-3856 (Thomson REUTERS)
22. Dr.R.Seyezhai, ASSP/EEE and R.Niraimathi (Research scholar), published a paper titled, "Analysis of PWM Switching Techniques for Grid Connected Multilevel DC Link Inverter" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No.24 (2014) pp. 8013-8019 (Anna University- Annx.-II).
23. Dr.R.Seyezhai, ASSP/EEE and V.Chamundeeswari(Research scholar), , published a paper entitled, "Digital control for Negative Output Superlift Luo Converter using ARM Processor", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No.24 (2014) pp. 8032-8035. (Anna University- Annx.-II).
24. Dr.R.Seyezhai,ASSP/EEE and M.Shanthi Murugan(Research scholar), published a paper titled, Simulation and Analysis of Burst Mode Control Technique for Full-Bridge LLC Resonant Converter for Photovoltaic Applications" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No.24 (2014) pp. 8041-8045. (Anna University- Annx.-II).
25. Anoop K J, RajiniV Prof/EEE published a paper titled,"Investigations on voltage multiplier cells for high step up conversion"ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 1, JANUARY 2015 ISSN 1819-6608.
26. Dr.R.Seyezhai,ASSP/EEE published a paper titled, " Simulation of Fuzzy Logic Controller For PEM Fuel Cell Based Hybrid Cascaded Multilevel Inverter", Electrical and Electronics Engineering Journal, Vol 4, No 1, February 2015.
27. Pramod Kumar Gouda, Dr. Ashwin Kumar Sahoo Prof /EEE and Dr. P.K. Hota published a paper titled “ Optimal Power Flow Including Unified Power Flow Controller in a Deregulated Environment”, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 1 (2015) pp. 505-521 (Anna University Annexure – II)
28. Dr. Ashwin Kumar Sahoo Prof/EEE, Aswin Gautham D , published a paper titled “An Adaptive Fuzzy Logic Controller for Load Frequency Control of a Distributed Grid Systems”, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 1 (2015) pp. 1591-1604 (Anna University Annexure – II)
29. S. Iyappan (PG Student) and R. Ramaprabha (Assoc. Prof.), “Performance Evaluation of Canonical Switching Cell Converter fed BLDC Motor Drive for Power Quality Improvement”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), (ISSN: 2320 – 3765) ISSN (Online): 2278 – 8875, Vol. 4, No. 2, pp. 559-567, Feb 2015 (doi: 10.15662/ijareeie.2015.0402008).
30. A.Suresh Kumar (Research Scholar),Dr.S.Sundaravadivelu(Faculty ECE),”Solar Cell Antenna using ITOs”,International Journal of Applied Engineering Research(IJAER) ISSN

0973-4562, Vol.10:No.20 Feb, (2015), PP.19592-19596, Research India Publications in Anna Univ Annexure-II.

31. D.Elangkumaran (M.E student), Dr.S.Sundaravadivelu (Faculty ECE), "Development of an Algorithm to Reduce Delay and Illumination Variations for Gesture Recognition", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 9 Feb,(2015), PP-7014-7020.
32. S. Upasana, S. Markandan, N. Venkateswaran, " Centralized and Decentralized Precoding Framework in Multi User- MIMO Wireless Communication", Journal on Advances in Natural and Applied Sciences (Annexure –II), Vol. 9 No.6, pp. 478-485, Feb,2015.
33. Saranraj and Venkateswaran, "Efficient Illumination Correction for Camera Captured Image Documents", Journal on Advances in Natural and Applied Sciences (Annexure –II), Vol. 9 No.6, pp. 391-396, Feb, 2015.
34. P Sophia and N Venkateswaran, "Segmentation of Medical Images Based on Probabilistic Markov Random Field Model" Journal on Advances in Natural and Applied Sciences (Annexure –II), Vol. 9 No.6, pp. 435-440, Feb, 2015 .
35. Arthi S.V. (PG Scholar ME AE), Suresh R.Norman (Faculty ECE , SSN) , " Analysis of Electrooculography signals for the Interface and Control of Appliances" , International Journal of Multidisciplinary and Current Research, Feb. 2015, Vol. 3.(Jan/Feb 2015),pp 1687-90, ISSN 2321-3214 GIF : 2.021 , Print and Online (<http://ijmcr.com>)
36. Jamlee Ludes (PG Scholar ME AE) and Suresh R. Norman (Faculty SSN) 'Enhancing the Images from Endoscopic Camera Using TV-Image Decomposition' ,Vol.1, Issue.2 of International Journal of Advances in Engineering , Feb. 2015, ISSN (Print): 2394-9260 and ISSN (Online) : 2394-9279, IF 0.313.
37. C. Arun Prakash, "Vision algorithm for seam tracking in Automatic welding system", International Journal of Recent advances in Mech. Engg., Vol.4(1), pp 125-131, Feb 2015
38. Arun Prakash. C, Ramakrishnan. K.S, Saileshwar.C.S, Rajkumar. R, "Vision Algorithm for capsule inspection system", International Journal of Advanced Technology In Engineering and Science, Vol.3, pp 262-265, Feb 2015
39. Inian Roy. A, Karthick raja. B, Chakkaravarthy. G, Arun Prakash. C, "Line following Robot based on vision techniques", International Journal of Advanced Technology In Engineering and Science, Vol. 3, pp 266-269, Feb 2015
40. Arun Prakash. C, Ramakrishnan. K.S, Saileshwar.C.S, Rajkumar. R, "Design of Vision based inspection system for washers", International Journal of Advanced Technology In Engineering and Science, Vol. 3, pp 270-274, Feb 2015
41. P.Senthil Kumar, M. Bharathikumar, C. Prabhakaran, S. Vijayan and K. Ramakrishnan, "Conversion of waste plastics into low-emissive hydrocarbon fuels through catalytic depolymerisation in a new laboratory scale batch reactor", International Journal of Energy and Environment Engineering, DOI:10.1007/s40095-015-0167-z, Feb 2015

42. A.K. Lakshminarayanan, V.E. Annamalai and K. Elangovan, "Identification of optimum friction stir spot welding process parameters controlling the properties of low carbon automotive steel joints", Doi:10.1016/j.jmrt.2015.01.001, Feb 2015
43. Ms. R Hemalatha (AP/ECE), Dr. R Ramaprabha (Asso. Prof./EEE) and Dr. S. Radha (Prof. & Head/ECE), "A Comprehensive Analysis On Sizing Of Solar Energy Harvester Elements For Wireless Sensor Motes", International Journal of smart sensing and intelligent systems, (ISSN 1178-5608), Vol. 8, No. 1, pp. 291-315, March 2015. SJR Impact factor 0.34.
44. Dr Mrunal Deshpande (ASSP/EEE) published a paper titled "Novel Displacement transducers for magnetic levitation system" Australian Journal of Basic and Applied Sciences, March 2015, Pages: 460-468, ISSN:1991-8178. Anna Univ Anexure II.
45. M. Shanthi (Research Scholar) and Dr.R.Seyezhai ASSP/EEE, "A Simple Design and Simulation of Full Bridge LLC Resonant DC-DC Converter for PV Applications", Middle-East Journal of Scientific Research 23 (2): 285-292, 2015, ISSN 1990-9233,(AU , Annx.-II), Impact Factor : 0.16).
46. Sivasamy, R. (Faculty ECE / SSN); Kanagasabai, M.(Faculty ECE / CEG), "A Novel Dual-Band Angular Independent FSS With Closely Spaced Frequency Response," Microwave and Wireless Components Letters, IEEE , March 2015, vol.PP, no.99, pp.1, doi: 10.1109 / LMWC.2015.2410591, ISSN 1531-1309, IF:2.236 (Thomson Reuters), unpaid, Abroad.
47. M. Gulam Nabi Alsath (Faculty ECE/SSN), Livya Lawrance (Student/CEG), K. Malathi (Faculty ECE/CEG), V. Jithila George (Student/CEG), R. Dinesh (Student/CEG), M. Balaji (Student/CEG) , "Quad-Band Diversity Antenna for Automotive Environment" IEEE Antennas and Wireless propagation Letters, vol.14, pp.875 - 878, March 2015 IF: 1.948 (Thomson Reuters), unpaid, Abroad
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49. Kaladevi Ramar and T. T. Mirnalinee , Heterogeneous Information Management Using Ontology Mapping, Vol. 10, No. 5, March 2015, ARPJ Journal of Engineering and Applied Sciences, pp: 2078 – 2081, ISSN 1819-6608 , IF 0.524
50. D. Venkatavara Prasad, Sathya Madhusudanan, Suresh Jaganathan, "uCLUST – A new Algorithm for Clustering Unstructured Data", Vol. 10, No. 5, March 2015, ARPJ Journal of Engineering and Applied Sciences, pp: 2108 – 2116, ISSN 1819-6608 , IF 0.524
51. G. Anushiya Rachel, V. Sherlin Solomi, K. Naveenkumar, P. Vijayalakshmi, T. Nagarajan, "A small-footprint context-independent HMM-based synthesizer for Tamil", International Journal of Speech Technology, Springer, ISSN 1381-2416, DOI:10.1007/s10772-015-9278-4, March 2015.
52. Poovazhagan Lakshmanan, Kalaichelvan.K and T. Sornakumar, "Processing and performance characteristics of aluminum alloy-boron carbide metal matrix nanocomposites", Materials and Manufacturing processes, DOI:10.1080/10426914.2015.1026354, Mar 2015

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54. Sivaramakrishnan Rajaraman, Guruprakash Subbiahdoss, Gnanaprakash Dhakshinamoorthy, Subashini Rajakannu (March 2015). Ocimum Sanctum extract coating on biomaterial surfaces to prevent bacterial adhesion and biofilm growth, Asian Journal of Pharmaceutical and Clinical Research, vol. 8, no. 3, pp. 229-233.
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56. S.Angel Deborah, Satish Palaniappan, Naveen Hariharan, Naren T Kesh, Vidhyalakshimi S,"Home Automation Systems - A Study" in International Journal of Computer Applications, Vol. 116, Issue Number:11, pp: 11 – 18. ISSN: 0975 – 8887 (Online).(IF- 0.715)
57. Dr.K.Mohammed Haneefa, ASP, Department of Civil Engineering published a paper entitled "Development of an Efficient procedure for Sustainable Low Carbon Cement Manufacturing Process" in the Applied Mechanics and Materials, Vol. 787, April 2015, PP. 142-146
58. Arun Prakash. C, Saileshwar. C. S, Rajkumar. R, Ramakrishnan. K.S, Department of Mechanical Engineering "Vision Based Liquid Level Inspection System For Beverage Industries" in the International Journal of Applied Engineering Research, Vol. 10 No.2 , pp. 1289-1292, April 2015
59. M.Sankar, A.Gnanavelbabu, K.Rajkumar and S.Santosh, Department of Mechanical Engineering "A Study On Sic Abrasive Assisted Electro Chemical Machining Of Aluminium Boron Carbide Composite", International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.2, pp. 1848-1851, April 2015
60. Nikhil Anto. V, Sandeepak.M, Santhosh Manikandan.S and Raj Kumar.K, Department of Mechanical Engineering "Comparison Of Mechanical Characteristics Of Broom Grass Reinforced Epoxy And Broom Grass –Groundnut Shell Hybrid Reinforced Epoxy Composites", International Journal of Applied Engineering Research, ISSN: 0973-4562, Vol. 10 No.2, pp. 1808-1811, April 2015
61. R.Panneerdhas, A.Gnanavelbabu, K.Rajkumar and Javed Syed Ibrahim.S, Department of Mechanical Engineering "Effect of Open Central Hole Stress concentration on Mechanical Properties of Luffa fiber Reinforced Epoxy Composite", International Journal of Applied Engineering Research, ISSN:0973-4562, Vol. 10 No.2, pp. 1763-1766, April 2015
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63. M.Senthamil Selvan, P.Raghu and N.Nallusamy, Department of Mechanical Engineering "Experimental study on diesel engine to analyse the spray characteristics of biodiesel by varying injection pressure" in the International Journal of Applied Engineering Research, Vol. 10 No.8, pp. 5968-5971, April 2015

64. Raghu P., Gowtham R., Srinivasan R and N. Nallusamy Department of Mechanical Engineering published a technical paper titled “Experimental study of spray characteristics using dimensionless analysis”, Journal of Chemical and Pharmaceutical Sciences, JCHPS Special issue 7, pp. 116-120, April 2015
65. P.S.Srivathsan, B.Praveen Ramanujam, V.V.S.S.Praneeth, K.Prasanth and S. Rajkumar Department of Mechanical Engineering "CFD Modeling of Combustion and Emission Characteristics of Diesel Lean Premixed Combustion Engine", International Journal of Applied Engineering Research, Vol. 10 No.2, pp. 1590-1595, April 2015.
66. A.K.Lakshminarayanan, M.Suresh, and M.Sibi Varshan, Department of Mechanical Engineering "Thermal performance evaluation of friction stir welded and bolted cold plates with Al/Cu interface", Journal of The Minerals, Metals & Materials Society, Vol.67(5), pp 1032-1044, April 2015
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68. B.Praba, A Characterization on the Complements of the Elements of Rough Lattice, JP Journal of Algebra, Number Theory and Applications, Volume 36, Number 2, April 2015.
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73. Nandhini R (Student PG), Indhu R (Student PG), BinlinJefryJ(Student PG), S Kirubaveni, (Faculty ECE) B.S.Sreeja (Faculty ECE), S..Radha (Faculty ECE) “Structural Analysis and Design of Interdigitated Electrode Based Vibrational Piezoelectric Energy Harvester” International Journal of Applied Engineering Research(ICETS’15), April 2015, ISSN 0973-4562 Volume 10, No 9, PP 8535-8541.
74. BinlinJefryJ(Student PG), Indhu R (Student PG), Nandhini R(Student PG), S Kirubaveni, (Faculty ECE) B.S.Sreeja (Faculty ECE), S..Radha (Faculty ECE) “Electrostatic method of Cantilever-Based Electret Energy Harvesters” Published in International Journal of Applied Engineering Research (ICETS’15), April 2015, ISSN 0973-4562, Volume 10, No 9, PP 7206-7209.

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76. Kayalvizhi.G(Student PG), Muthumeenakshi.K(Faculty ECE), Dr.S.Radha(Faculty ECE), "Adaptive Cooperative Spectrum Sensing using Welch Periodogram", International Journal of Applied Engineering Research (IJAER), April 2015, Vol.10, no.9, pp.8487 - 8492, ISSN 0973-4562.
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80. SasiPrincy (student PG), Sreeja B S (Faculty ECE) "Design And Analysis Of V-Beam Actuator For BistableMems Switch", International Journal of Applied Engineering Research, April 2015, ISSN 0973-4562, Vol.10, No.9, 2015, pp. 7206-7209
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96. P.Sangeetha & P.Naveen Kumar(Student), Department of Civil Engineering published a paper entitled “Finite Element Analysis of Space Truss Using MATLAB” in ARPN Journal of Engineering and Applied Sciences, Vol 10, No 8, May 2015, pp 3812-3816

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