

SSN COLLEGE OF ENGINEERING, KALAVAKKAM-603110
DEPARTMENT of ELECTRONICS and COMMUNICATION ENGINEERING
FACULTY PUBLICATIONS
June 2013 to May 2014

I International Journals

Individual Publications

1. **K. Muthumeenakshi and S. Radha**, "Improve Sensing Accuracy using Enhanced Energy Detection Algorithm with Secondary User Cooperation in Cognitive Radios", *International Journal of Communication Networks and Information Security (IJCNIS)*, Vol.6, NO.1, pp.No.17-27, April 2014.(staff)
2. C.Y. Tan and **K.T.Selvan**, "A circularly polarized conical horn with an Inserted Metallic Cone-Sphere," *IEEE Antennas and Propagation Magazine*, Vol 55, No 3, pp 146-154, June 2013, ISSN NO: 1045-9243 IF: 1.18(staff)
3. G. Gnanagurunathan and **K. T. Selvan**, "Artificial magnetic conductors on wideband patch antenna," **Progress In Electromagnetics Research Letters**, Vol. 36, 9-19, June 2013, IF: 0.6, ISSN NO: 1937-6480.(staff).
4. **S. Joseph Gladwin, S. Salivahanan**, VLSI Implementation of Channel Estimation for MIMO-OFDM Transceiver, *American Journal of Applied Sciences*, Volume 10, Issue 10, Pages 1280-1286, 2013 DOI: 10.3844/ajassp, September 2013.1280.1286.(staff)
5. **B.S. Sreeja** "Low-power CMOS LC QVCO using zero-biased transistor coupling of MWCNT network-based VCO structure" *Elsevier-Microelectronics Journal*, Volume 45, Issue 2, pp196-204, Jan 2014.(staff)
6. **R. Jayaparvathy**, "An Improved Real Time Image Detection System for Elephant Intrusion along the Forest Border Areas", *Scientific World Journal*, Hindawi Publishing Corporation, Volume 2014, Jan 2014, Article ID 393958, 10 pages 2014. doi:10.1155/2014/393958. (Impact Factor 1.730).(staff)
7. **Alsath, M.Gulam.N.**; Kanagasabai, M., "Planar Pentaband Antenna for Vehicular Communication Application," *Antennas and Wireless Propagation Letters, IEEE* , vol.13, no., pp.110,113, Jan 2014(staff).
8. Arun, H.; Sarma, A.K.; Kanagasabai, M.; Velan, S.; Raviteja, C.; **Alsath, M.G.N.**, "Deployment of Modified Serpentine Structure for Mutual Coupling Reduction in MIMO Antennas," *Antennas and Wireless Propagation Letters, IEEE* , vol.13, no., pp.277,280, Jan 2014(staff).
9. **Sundarsingh, E.F.**, Velan, S., Kanagasabai, M., Sarma, AK., Raviteja, C., **Alsath, M.G.N.**, "Polygon-Shaped Slotted Dual-Band Antenna for Wearable Applications", *Antennas and Wireless Propagation Letters, IEEE* , vol.13, no., pp.611,614, March 2014, ISSN 1536-1225.

10. **K. Muthumeenakshi and S. Radha**, "A Generalized Markovian Based Framework for Dynamic Spectrum Access in Cognitive Radios", KSII Transactions on Internet and Information Systems, (IF– 0.56),vol.8, no.5, pp. 1532-1553, **May 2014**.
11. **N.Lavanis**, D. Jalihal, "On Finite-SNR DMT of Non-coherent SIMO-MRC", IEICE Transactions on Comm., vol. E97-B, No. 5, **May 2014**.

Research Scholar Publications

1. Aasha Nandhini. S, **R. Kishore, S. Radha**, "A Novel Frequency Hopping Spread Spectrum Technique using Random Pattern Table for WSN", Ad Hoc and Sensor Wireless Networks - AHSWN, Vol 0., pp 1-21., IF: 0.309, ISSN NO: 1551-9899 EISSN1552-0633 , July 2013.(RS).
2. **R Kishore**, T Sumathra, C Divya and P Nirmala, "Simple and Flexible Key Pre Distribution Schemes for Wireless Sensor Networks", International Journal of Electronis, Electrical and Computational Sytem (IJEECS), Vol.3, pp.No.130-138, May 2014.(RS).
3. S. J. Sugumar and **R. Jayaparvathy**," An early warning system for elephant intrusion along the foest border areas", Current Science Journal, Vol. 104, No. 11, pp 1515-1526, June 2013.(Impact factor for year 2013 : 0.915), ISSN NO: nil .(Ext Research scholar) .
4. Y.Asnath Vicky Phamila and **R. Amutha**, "Discrete Cosine Transform Based Fusion of Multi Focus Images for Visual Sensor Networks", Signal Processing (Elsevier), Vol .95, Feb 2014, pages 161–170, IF: 1.851, ISSN No: 0165-1684 .(RS-Int)
5. Y.Asnath Vicky Phamila and **R. Amutha**, "Low complexity energy efficient very low bit-rate image compression scheme for wireless sensor network", Information Processing Letters (Elsevier), vol.113, no.18, June 2013, Pages. 672–676, IF: 0.488, ISSN No: 0020-0190 .(RS-Int)
6. Yesudhas Asnath Vicky Phamila; **Ramachandran Amutha** , "Low-complex energy-aware image communication in visual sensor networks", Journal of Electronic Imaging, 22 (4), 041107, Oct 2013, IF: nil, ISSN No: nil.(RS-Int).
7. Asnath Vicky Phamila and **R. Amutha**, "Low Complexity Multifocus Image Fusion in Discrete Cosine Transform Domain", Optica Applicata, Vol.43, No.4, pp.No. 693-706, 2013.(RS).
8. Ganesh.S , **R.Amutha** (2013) 'Efficient and Secure Routing Protocol for Wireless Sensor Networks through SNR based Dynamic Clustering Mechanism" Journal of Communication and Networks, Vol. 15, No. 4, pp 422 -429 ,August 2013 ISSN: 1229-2370 (Print), ISSN: 1976-5541 (Online). IF 0.291(RS-EXT)
9. Ganesh.S and **R.Amutha** 'Efficient and Secure Routing Protocol for Wireless Sensor Networks-results and discussions" Journal of theoretical and applied

information technology, Vol. 57, No. 2, pp 191-208, November 2013, IF: 0.113, ISSN No: 1992-8645 (.RS-ext).

UG Publications

1. John Wiselin, **Sreeja B S**, Bycil Viswambaran Jalaja, Sherin Dhas Sahayadas Padma Ramani, Rajesh Prasad, Sheeba Devaraj Suhaila Shahul, and Sowmya Swaminathan, "A Low Cost Carbon Nanofiber Based Spiral Inductor: Inference and Implementation," *Advances in Materials Science and Engineering*, vol. 2014, Article ID 384917, 8 pages, 2014 (UG).
2. **K. J. Jegadish Kumar**, K. Chenna Kesava Reddy, **S. Salivahanan**, S. D. Karthik, V. Praveen, "Exclusive -128 Bit NLFSR Stream Cipher for Wireless Sensor Network Applications," *International Journal of Engineering and Technology*, Volume 5, No. 5, OCT-NOV 2013, pp 3668-3675 , IF: 0.14, ISSN NO: nil. (UG)
3. **S.Sakthivel Murugan**, V.Natarajan, S.Prethivika, " Hardware Implementation of Kalman Least Mean Square-Based Adaptive Algorithm for Denoising Ambient Noises in Shallow Wter Region", *Fluctuation and Noise Letters*, Volume 13, No. 3, May 2014 DOI: 10.11142/S0219477514500187.(UG)
4. **Prabagarane N**, Yuvika Ashwina R, Sabarish Karthik, Prasaanth M, "Performance of multi user transmitter preprocessing assisted MIMO system over correlated Frequency selective channel", *Elsevier -Physical Communication* , Vol 7, June 2013, pp 61-72. ISSN No: 1874-4907 (UG), IF: 2.45
5. **Kuttathatti Srinivasan Vishvaksenan**, R.Seshasayanan and Yuvaraj Krishnamoorthy , " Performance of joint transmit scheme assisted multiple-input multiple-output multi-carrier IDMA system", *Elsevier Journal of computers and Electrical Engineering*, 2013, Vol.39, pp.984-995, June 2013.(UG). IF: 0.97.
6. **K.S.Vishvaksenan, R.Seshasayanan**, Sudharssun Subramanian, "Performance of Dual –Polarized DST TD-IDMA system over correlated frequency selective channels", *Computers and Electrical Engineering*, Elsevier, 40 (2014), pp 1296-1350

PG Publications

1. Balaji M, **S.Ramprabhu**, 'Design of Multiband Monopole Slot Antenna for GSM/DCS/PCS/UMTS Applications', *Trends In Technology for Convergence*, *International Journal of Research in Engineering and Technlogy*. (PG)
2. Biju N, **K J Jegadish Kumar**, 'Security Analysis of Exclusive 128 bit NLFSR Based Stream Cipher', *International Journal of Advanced and Innovative Research*, Vol.3, Issue:4, ISSN:2278-7844.(PG).

3. Elakkiya.M, **Edna Elizabeth.N.**, "Opportunistic routing to forgo flooding attacks in MANETs," Proceedings of NCETSE '14, **National Conference on Emerging Technologies in Software Engineering**, March 25-26th 2014 at SRM University. Also published in IJEDR: International Journal of Engineering Development and Research, ISSN: 2321 - 9939, pp 34 - 40. Imp fact: 1.79, India, DOI – nil(Best Paper) .(PG)
4. Kamaraj V, **K J Jegadish Kumar**, 'Cellular automata based lightweight feistal block cipher', International Conference on Science and Innovative Engineering(ICSIE), apr 5,6 -2014, Jawahar Engineering College, Chennai. International Journal of Science and Innovative Engineering & Technology (IJSIET),pp:172, ISBN 978-81-904760-5.(PG)
5. DhivyabharathiD, **Dr. S. Sundaravadivelu**,"Joint Channel and carrier frequency offset estimation in decode and forward multi-relay cooperative network using the PM-EX algorithm",International Conference on Engineering Technology and science (ICETS-2014), feb 10,11,12, Muthayammal College of Engineering, Rasipuram, IJRSET, Volume 3, Special Issue 1, Feb-2014, ISSN(Online): 2319-8753. (PG)
6. Alagurani S.Aasha Nandhini, **S.Radha**, 'Energy analysis of compressed sensing in wireless multimedia sensor network', National conference on emerging technologies in software engineering (NCTESE), International Journal of Engineering Development and Research(IJEDR),ISSN:2321-9939. (PG)
7. CibiSavio. X, **S. Hanis**, 'Earlier Detection of Diabetic Retinopathy Using Crest Region Analysis',International Conference on Recent Innovations in Science, Engineering and technology,Institute of Research and Journals(IRAJ). (PG)
8. Vigneshwaran.N, **K.J.Jegadish Kumar**, 'Two Dimensional Cellular Automata Based Design of Private Key Encryption Algorithm', National conference on emerging technologies in software engineering, International Journal of Engineering Development and Research(IJEDR),ISSN:2321-9939.(PG)
9. Kiran Reddy, **K.J.Jegadish Kumar**, 'Implementation and Analysis of a Novel Block Cipher', Internatinal Journal of Computer Applications(IJCA), Vol.89, Issue:8, ISSN:0975-8887.(PG)
10. Monika M, **S.Karthie**, 'Performance Comparison of MicrostripBandpass Filter topologies on different substrates', IEEE International Conference on Innovations in Engineering and Technology(ICIET'14),March-21&22-2014,K.L.N College of Engineering,Madurai. International Journal of Innovative Research in Science, Engineering and Technology, Vol 3, Special Issue 3, March-2014, pp:652-656, ISSN (online):2319-8753.(PG).
11. Roji Varghese Rajan, **B. Partibane**, 'Group Signature based Location Verification in VANET under Non-line of Sight Conditions', International Conference on Science and Innovative Engineering (ICSIE), April 5,6 -2014, Jawahar Engineering College,

Chennai. International Journal of Science and Innovative Engineering & Technology (IJSIET),pp:173, ISBN 978-81-904760-5-8.(PG)

12. Priyanga N, **S.Karthie**, 'Performance comparison of microstrip filter topologies on different substrates', IEEE International conference on innovations in engineering and technology(ICIET'14),21&22 March 2014.K.L.N college of engineering, Madurai. International journal of innovative research in science, engineering and technology, vol 3, special issue 3, pp.652-656, March 2014, ISSN(online):2319-8753.(PG)
13. Sudharsan S, **Hemalatha R, Dr.S.Radha**, 'Energy Analysis for Image Transmission in WMSN using Compressed Sensing', International Conference on Emerging trends in Science, Engineering ,Business & Disaster Management (ICBDM 2014) at NoorulIslam University, Kumaracoil on 28.2.14, International Journal of Emerging Technologies, Volume 8, Special Issue 1,pp:319-323, Feb 2014, ISSN No : 0973-2993.(PG)
14. Sahana S, **Dr.R.Amutha**, 'Energy Efficiency in Wireless Sensor Networks using Data Aggregation', National conference on emerging technologies in software engineering, International Journal of Engineering Development and Research(IJEDR),ISSN:2321-9939. (PG)
15. Sangeethapriya S, **Dr.R.Amutha**, 'Minimization of Energy Consumption in Wireless Sensor Networks', National conference on emerging technologies in software engineering, International Journal of Engineering Development and Research(IJEDR),ISSN:2321-9939.(PG)
16. Kalaiarasan R and **M.Anbuselvi**, " Modification in the Construction of Non-Binary LDPC Decoder using Stochastic Computation" International Journal of Computer Applications(IJCA), vol. 91, no. 17.April 2014 Edition,USA.ISSN: 0975-8887,Impact factor-0.835,pp no 38-42.(PG)
17. Keerthana P, **V. Vaithianathan** " Analysis of active feedback and its influence on UWB Low noise amplifier" published in the International Journal of Computer applications, ", Vol: 89, no: 18, pp no: 29-35, doi: 10.5120/15733-4745, (PG)
18. Sivanesan T, **Sreeja B.S.**, "MEMS Based Design of Energy Harvesters for Wireless Sensor Nodes"International Journal of Emerging Technologies, Volume 8, Feb 2014, ISSN No.:0973-2993(PG)
19. Vinodhini G., **V. Vaithianathan**. J. Raja, R. Srinivasan, "Reconfigurable LNA for MB-OFDM Receiver using Active Inductor" International Journal of Computer Applications (0975 – 8887) Vol 89-No.18, March 2014.(PG).
20. **Edna Elizabeth N.**, Subasree S., and Radha S., "Enhanced Secure Key Management Scheme for MANETs", WSEAS Transactions on Communications, Volume 13, Feb 2014, PP 15-25, ISSN No. 1109-2742, IF : 0.605, DOI-nil

21. Nirmala.K and **Venkateswaran. N**, "Analysis of enhancement techniques for retinal images", International Journal of Scientific & Engineering Research, vol.5, no.4, pp. 266-271, 2014.
22. P.Elaveni and **Venkateswaran. N**, "Feature Extraction and Classification of Hyperspectral Images using Novel Support Vector Machine based Algorithms", International Journal of Scientific & Engineering Research, vol.5, no.4, pp. 255-260, 2014.
23. S.Devipriya and **Venkateswaran. N**, "Optimization of Power allocation in Relay based Cooperative communication using amplify and forward Protocol", International Journal of Scientific & Engineering Research, vol.5, no.4, pp. 227-231, 2014.
24. D.Aishwarya and **Venkateswaran. N**, "Analysis of Variational methods in Image restoration", International Journal of Scientific & Engineering Research, vol.5, no.4, pp. 261-265, 2014

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DEPARTMENT of ELECTRONICS and COMMUNICATION ENGINEERING
FACULTY PUBLICATIONS
June 2013 to May 2014

International Conference

Individual Publications

1. N. Padmapriya and **C. Vinothkumar**, "Detection of Exudates in Retinal Images", International Conference on Mathematical Engineering(ICMCE), Chennai, pp. No.1010-1016, November 2013.
2. **K. Muthumeenakshi and S. Radha**, "Analysis of Distributed Dynamic Spectrum Access Scheme in Cognitive Radios", International Conference on IT and Intelligent Systems (ICITIS), Malaysia, pp.No.42-46, August 2013.
3. **Nandita Lavanis** and Devendra Jalihal, "Finite-SNR DMT for a Non-Orthogonal Decode and Forward Relay Protocol", IEEE International Conference on Electronics, Computing and Communication Technologies(IEEE CONECCT), Bangalore, pp.No.1-5, January 2014.
4. **K. Muthumeenakshi and S. Radha**, "A Refined Energy Detection Algorithm for Spectrum Sensing in Cognitive Radios", International Conference on Next Generation Computing and Communication Technologies (ICNGCCT), Dubai , UAE, pp.No.41-45, April 2014.

Research Scholars Publications

5. M P Actlin Jeeva, **B Ramani** and **P Vijayalakshmi**, "Performance Evaluation and Comparison of Multilingual Speech Synthesizers for Indian Languages", International Conference on Recent Trends in Information Technology (ICRTIT), Chennai, pp.No.590-595, July 2013.

UG Publication

6. **R. Hemalatha, S.Radha**, N.Raghuvarman, B.Soumya and B.Vivekanandan, "Energy Efficient Image Transmission over Bandwidth Scarce WSN using Compressed Sensing" in the proceedings of the International Conference on IT and Intelligent Systems (ICITIS'2013), Penang, Malaysia, Aug 2013, pp. 57-61.(Best Paper Award).
7. Aasha Nanadhini .S , **Radha.S** , Reshma . M, Shiwani Hariraman , Swathi. P, "Video Compression Sensing Framework for WMSN using a Combination of Multiple Matrices", proceeding if ICNGCCT ,pp.131-135, April 23 and 24 2014.
8. **Muthumeenakshi.K,, Radha.S,Sudharsana.R,Tharini.R,** "Intelligent Decision Making with Improved Energy Detection for Precise Spectrum Sensing in Cognitive

Ratio”, International Conference on Artificial Interlligence and Evolutionary Algorithm in Engineering Systems-ICAEES-361,2014.

9. Suvasini.L,Preethivika.S,**Sakthivel Murugan.S**,Natarajan.V, “Extraction of Binary Sequences in a Frequecy Shift Keying Modulated Signal by Empirical Mode Decomposition Algorithm Against Ambient Noises in Underwater Acoustic Channel”,ICAEES-387,2014.
10. Dhanalakshmi.P,Divya.S,Kamila.S.A, **Muthumeenakshi.K,, Radha.S**, “Modelling and Analysis of Cognitive Radio with Multiple Primary/Secondary Users and Imperfect Sensing”,OECD-363.April 2014.
11. Reshma.M,Shiwani Hariraman,Swathi.P,Aasha Nandhini.S,**Radha.S**, “Video Compressed Sensing using CoSaMP Recovery Algorithm”,International Journal of Engineering Development and Research ISSN 2321-9939, pp.1-7.
12. **Vinoth kumar.C**,Natarajan.V,Putta Harshitha,Rashmi Bachala,Yadati Lasya, “Reversible Water Marking Based on Difference Expansion Prediction Techniques”,National Conference on Computer Communcation Networking NC3N-2014.
13. Alagu Sanjanan Haribhaskaran, **Prabagarnane Nagaradjane** and Nagarajan Velmurugan, “Performance of Co-operative Diversity aided Downlink MC-DS-CDMA System using Transmitter Preprocessing”, International Conference on Communication and Signal Processing , April 3-5, 2014, India.
14. Bhanusri Sridharan, **Prabagarane Nagaradjance** and Nagarajan Velmurugan, Senior Member IEEE, “Performance of Relay-Assisted MC-CDMA Downlin system Using Quantized CIRs Feedback Based Transmitter Preprocessing”, International Conference on Communication and Signal Processing , April 3-5, 2014, India.
15. Ananya Ravi, **Prabagarane Nagaradjance** and Nagarajan Velmurugan , Senior member IEEE, “ Performance of Co-operative Communication aided MC-CDMA system using Transmitter Preprocessing based on Vector quantized CSI”, International Conference on Communication and Signal Processing , April 3-5, 2014, India.

PG Publications

16. Achuthan E,**R. Kishore**, ‘A Novel Anti Jamming Technique For Wireless Sensor Networks’,International Conference on Communication And Signal Processing,IEEE (978-1-4799-3357-0) April 3-5,2014 page no :1780-1784.
17. Aishwarya D, **Dr.N.Venkateswaran**,‘Analysis of Partial Differential Equation based Image Restoration Algorithms’, International Conference on Computational Systems in Engineering and Technology (ICCSET-2014), 7 & 8th March,2014, pp.481-485, 978-1-4799-3814-8/14/\$31.00©2014 IEEE Explorer

18. Aishwarya D, **Dr.N.Venkateswaran**, "Modelling and Analysis of Image Restoration Using Variational Methods International Conference on Electrical, Communication & Computing (ICECC-2014),13& 14th March,2014.
19. Deepa R, **Edna Elizabeth.N**, 'Key management technique for Mobile AD HOC Network',International Conference on trends in Mechanical, Aeronautical, Computer, Civil, Communication and Electrical Science (ICMACE- 2014), Feb 19th&20th,Tamizhan college of engineering, kanyakumari.
20. Devipriya S, **Dr.N.Venkateswaran**, 'Performance Analysis of Power Optimization in Amplify and Forward Cooperative Communication', International Conference on Computational Systems in Engineering and Technology (ICCSET-2014) on 7 & 8th March, 2014.
21. Devipriya S, **Dr.N.Venkateswaran**, 'Power Optimization Computation Using Bacterial Foraging Algorithm in Cooperative Communication', International Conference on Electrical, Communication & Computing,(ICECC-2014) on 13& 14th March,2014.
22. Elakkiya M, Deepa.R, **Dr.Edna Elizabeth** 'Trust Model Based Opportunistic Routing in MANETs' International Conference on advanced Computing and Communication technologies, ICACCT '13, ISBN: 978-93-83083-38-1, November 16th, 2013, Panipat, Haryana, India, pp 218-223.
23. Elakkiya M, **Dr.Edna Elizabeth**, 'Opportunistic routing to mitigate attacks in MANET', International conference on Recent Trends in Information Technology (ICRTIT'14), ICRTIT'14. (yet to be published in IEEE xplore), MIT, ChromePET, April 10th to 12th, 2014
24. Elaveni P, **Dr.N.Venkateswaran**, 'Kernel based Classification of Hyperspectral Images', International Conference on Computational Systems in Engineering and Technology (ICCSET-2014) on 7 & 8th March,2014.
25. Elaveni P, **Dr.N.Venkateswaran**, ' A Novel Algorithm for the Classification of High Dimensional Hyperspectral Data', International Conference on Electrical, Communication & Computing,(ICECC-2014) on 13& 14th March,2014.
26. Jebalin Mary J,**Dr.R.Rajavel**, 'Correlogram based pitch detection for noisy speech', International Conference on trends in Mechanical, Aeronautical, Computer, Civil, Communication and Electrical Science (ICMACE- 2014), Feb 19,20, Tamizhan college of engineering, kanyakumari.
27. Karthick K, **Dr.R.Amutha**, 'Minimum Energy Consuming Route in a multihop wireless sensor networks',International Conference on Futuristic Trends inComputer Science Engineering & Information Technology – ICFTCS, March 1 and 2, 2014, Thiruvalluvar College of Engineering and Technology, Vandavasivol. 2 no. 5 pp.27-32 March 2014.

28. Madhan Mohan, **B. Partibane**, 'Secure precise location and verification on MANET', International Conference on Futuristic Trends in Computer Science Engineering & Information Technology – ICFTCS, March 1 and 2, 2014, Thiruvalluvar College of Engineering and Technology, Vandavasi. vol. 2 no. 5 pp.72-78 March 2014.
29. Rajkumar K.S, **B. Partibane**, 'Advanced Secure Intrusion Detection System For Manet', International Conference on Futuristic Trends in Computer Science Engineering & Information Technology – ICFTCS, March 1 and 2, 2014, Thiruvalluvar College of Engineering and Technology, Vandavasi. vol. 2, no. 5 pp.102-107 March 2014.
30. Ramya T, Lilly christina S, **Vijayalaksmi P**, Nagarajan T, 'Analysis on MAP and MLLR based Speaker Adaptation Techniques in Speech Recognition', IEEE International Conference on Circuit, power and computing technologies (ICCPCT 2014), pp:1753- 1758, (20 & 21 March 2014), Noorul Islam University, Kanyakumari, (Best Paper) ISBN No - 978-1-4799-2395-3.
31. Sangeethapriya S, **Dr.R.Amutha**, 'Reliable Data Transmission in WSNs', International Conference on Information and Communication & Embedded systems (IEEE ISBN:978-1-4799-3834-6/14/31.00@2014).
32. Sahana S, **Dr.R.Amutha**, 'Data Aggregation in WSNs', International Conference on Information and Communication & Embedded systems (IEEE ISBN:978-1-4799-3834-6/14/31.00@2014)
33. Sreenidhi S, Anushiya Rachel G, **Vijayalakshmi P**, Nagarajan T, 'LP and TD-PSOLA-Based Incorporation of Happiness in Neutral Speech Using Time-Domain Parameters', IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT-2014), pp.1158-1162, 20-21 March, 2014, Noorul Islam University, Kanyakumari ISBN No.:- 978-1-4799-2395-3
34. **Dr.S.Radha**, **Hemalatha R**, Sudharsan S, 'Energy Analysis for Multihop Image Transmission in WMSN Using Compressed Sensing', International Conference on Next Generation Computing and Communication Technologies 2014 (ICNGCCT '14) at Dubai UAE, Proceedings ISBN:978-973-83303-42-7.
35. Sagul Hameed, **Ramani.B**, "Comparison of GCI Estimation Techniques for GMM based Cross-lingual Voice Conversion", International conference on Emerging Trends in Science, Engineering and Technology May 2014, pp 340-345.
36. M.Amritha preethi and **Dr.S.Sundaravadivelu**," Design of safety equipment for Railroad level crossing using Ultrasonic range finder", 3rd International Conference on Futuristic Trends in Electronics Engineering-2014, Thiruvalluvar College of Engineering and Technology, Vandavasi.
37. L.Anupriya and **S.Joseph Gladwin**," Channel Estimation for MIMO OFDM Systems using Super imposed Training in VLSI", IEEE International Conference on

Communication and Signal Processing-2014, Adhiparashakthi Engineering College,Melmaruvathur.pp.1482-1486.

38. D.R Apurva veda and **G.Durga** ,” performance analysis of Acoustic signals from rotating machines for wear detection” International Conference on Advance Research in Engineering & Technology-2014,ARM College of Engineering,Chennai. , pp: 154-157.
39. Chandrasekar L and **G.Durga**,” Implementation of Hough Transform for Image Processing Applications” IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College,Melmaruvathur.pp. 1060-1064.
40. Dhivya S and **Dr.B.S.Sreeja**,” Design of Highly Efficient Narrowband Class-E Power Amplifier with inverter as Pre-Driver” IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College,Melmaruvathur.pp. 66-70.
41. Elizabeth J C and **Dr.A.Jawahar**,” Development of Feature Extraction Algorithm for On-road and Off-road Terrains using GLCM” International Conference on Advance Research in Engineering & Technology-2014,ARM College of Engineering,Chennai.
42. Joshitha C and **Dr.B.S.Sreeja**,” Design and Analysis of Bistable MEMS Switch” 4th IEEE International Conference on Information Communication and Embedded Systems-2014, S.A Engineering College,Chennai.
43. Loyola Jasmine J and **Dr.R.Jayaparvathy**,” Performance Evaluation of Multi Channel Access for IEEE 802.11n WLANs” ,International Conference on Science and Innovative Engineering 2014, Jawahar engineering college,Chennai. pp no: 317:182.
44. Muruganandham R and **Dr.S.Sundaravadivelu**,” Efficient Contrast Enhancement and Color Noise Reduction for LTM using LDR Images” 3rd International Conference on Futuristic Trends in Electronics Engineering-2014, Thiruvalluvar College of Engineering and Technology,Vandavasi. pp no:286-288
45. Nandhini G Iyer and **Suresh.R.Norman**,” Analysis of Acoustic signals from rotating machines for wear detection”, International Conference on Recent trends in information Technology- 2014,Madras Institute of Technology,Chennai.
46. Ramya Ramalakshmi ,**Dr.K.S.Vishvaksenan** and S.Sathiarani,” Performance of MIMO-IDMA System with imperfect Channel state Information”, IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College,Melmaruvathur.pp. 1615-1620.
47. Santhosh Muraledharan S , **C.Vinoth Kumar** and V.Natarajan,” Difference Expansion based Reversible Data Hiding for Medical Images”, IEEE International

Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College, Melmaruvathur. pp. 1008-1011.

48. S.Sathiarani, **Dr.K.S.Vishvaksenan** and Ramya Ramalakshmi, "IWT based Image Transmission in MIMO-CDMA system: Performance Results", IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College, Melmaruvathur. pp. 1299-1303.
49. Shalini M and **V.Vaithianathan**, "Design and Simulation of Pulse Generator for Ultra Wide Band Impulse Radio", IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College, Melmaruvathur. pp. 460-464.
50. Sridharan P and **Dr.B.S.Sreeja**, "Design and Analysis of 1-10 GHz band Selected Bandpass Filter with Broad Tunable Range" IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College, Melmaruvathur. pp. 82-85.
51. Srinandhini K and **V.Vaithianathan**, "FPGA implementation of MIMO-OFDM transceiver", IEEE International Conference on Communication and Signal Processing-2014, Adhiparashakthi Engineering College, Melmaruvathur. pp. 390-394.
52. Varun Prakash R and **C.Vinoth Kumar**, "Glaucoma Diagnosis using PCA and K-means Clustering", International Conference on Electrical, Communication and Computing- 2014, Tagore Engineering College, Chennai, pp no:895-900.
53. Ananda Pamanaban M, **C. Premanand**, "Design and implementation two stage 5 bit pipelined SAR ADC" presented at the International conference on Communication and signal processing, India, April 3-5, 2014. (PG)
54. Archana S, **G. Durga**, "Design of low power and high speed ripple carry adder" presented at the International conference on Communication and signal processing, India, April 3-5, 2014. (PG)
55. Arulmozhi M, **M. Anbu Selvi**, "Improvements on Construction of Quasi cyclic irregular non binary LDPC Codes" presented at the International Conference on Information Communication and embedded systems, India, Feb 28, 2014.(PG)
56. Balasaraswathy N, **Dr. R. Rajavel**, "Low Complexity Power Spectral Density Estimation", Springer International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems 2014 (ICAEES 2014) at Noorul Islam University, Kumrakoil, 22-23 April 2014
57. Beulah Jency G, **Joseph Gladwin. S**, "Channel Estimation using Optimized pilot placement in OFDM systems" presented at the International conference on Communication and signal processing, India, April 3-5 2014.(PG)
58. Beevi Nurrani K S, **Joseph Gladwin. S**, "An efficient Edge preserving Denoising technique for removal of impulse noise in images" presented at the International

Conference on Recent Trends in Engineering and Technology, India, Mar 14, 2014.(PG)

59. Bharathi R, **G. Durga** "Performance optimisation of Bulk junctionless FINFET through work function engineering" presented at the International Conference on Circuit, Power and Computing technologies Mar 20-21, 2014.(PG)
60. Divakar M, **C Annadurai** "VLSI implementation of area efficient truncated multiplier" presented at the International conference on Communication and signal processing, India, April 3-5, 2014. (PG)
61. Divya I, **M. Anbuselvi**, "Protograph Based Design of Non Binary LDPC Codes" Springer International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems 2014 (ICAEES 2014) at Noorul Islam University, Kumrakoil, 22-23 April 2014
62. Esakkirajan G, **C Annadurai** "CORDIC based high speed DCT Algorithm" presented at the International conference on Communication and signal processing, India, April 3-5, 2014.(PG)
63. Harrison Kurunathan J, **R. Jayaparvathy** "An Assistive robotic arm for defense and rescue applications" presented at the International conference on Science and Innovative Engineering, India, April 5-6, 2014.(PG)
64. Kalaivanan S, **R. Jayaparvathy**, "Assistive Robot based on BCI for neurological disorders" presented at the International conference on Science and Innovative Engineering, India, April 5-6, 2014. (PG)
65. Kandhavel S, **S. Karthika**, "Performance Analysis of High Throughput SEFDM Systems", First International Conference on Intelligent Engineering Systems(2IES-2014) at EASA College of Engineering and Technology, Coimbatore, 3-4, April 2014
66. Kowsick Prasad K, **C Annadurai** "Reconfigurable and low complexity variable digital filter design" presented at the International conference on Communication and signal processing, India, April 3-5, 2014.(PG)
67. Lenin Tharsan N.M, **C Annadurai**, "Design and Implementation of LOBOT System" 2014 International Conference on Energy Efficient Technologies for Sustainability at St. Xavier's Catholic College of Engineering, Nagercoil 7-9 April 2014.
68. Muthukumaran S., **Jawahar A.**, "Design and performance analysis of 3 bit ripple carry adder with 14 transistor full adder using novel 3 transistor xor gate" International Conference on Intelligent Engineering Systems-2IES-14 on 3rd and 4th April 2014.
69. Nandeshwaran E. R., **Rajavel R.**, "Hybrid algorithm for Speech enhancement" International Conference on Intelligent Engineering Systems-2IES-14 on 3rd and 4th April 2014.

70. Nithya R., K.R.Sarath Chandran, **Premanand V. Chandramani**, "Run-Time Reconfiguration of Processing Elements through Soft-Core Processor" International Conference on Communication and Signal Processing, April 3-5, 2014, India ISBN.No:978-1-4799-3357-0
71. Sathya Moorthy G., **Suresh R. Norman**, "Embedded Forest Fire Detection System using Wireless Sensor Network", International Conference on Futuristic Trends in Electronics . Engineering(ICFTEE 2014) on 1st and 2nd March,2014.
72. Sinthika B., **Thiruvenkatesan C.**, "Performance Analysis Of Low Power VLSI Circuit Using Clock Pair Shared Flip Flop in Sequential Elements" International Conference On Technological Advancements and Green Governance (ICTAGG'14) on 10th April,2014
73. Suriya K., **G. Durga**. "Design of 50-75 GHz V-band Low Power and High Gain Down-Conversion Mixer", IEEE International Conference on Communication and Signal Processing, April 3-5, 2014, India, ISBN.No:978-1-4799-3357-0
74. Tamil Selvan V., Maran Ponnambalam, **Premanand V.Chandramani**, "Spur Reduction Technique for Fractional-N Frequency Synthesizer with MASH 1-1-1-1 Sigma Delta Modulator" IEEE International Conference on Communication and Signal Processing, April 3-5, 2014, India, ISBN.No:978-1-4799-3357-0
75. Venkatesh P., **C.Annadurai**,"Low-power Adder and Multiplier for Discrete Cosine Transform Applications",IEEE International Conference on Communication and Signal Processing,ICCSP-14April 3-5, 2014, India, ISBN.No:978-1-4799-3357-0
76. Yazhini S,**Sreeja.B.S.**, "Design and Simulation Analysis of RF MEMS Quad Output Switch for Ku-band Applications" IEEE International Conference on Communication and Signal Processing, April 3-5, 2014, India, ISBN.No:978-1-4799-3357-0
77. Yokesh J., **Suresh R.Norman**, "An Environmental Air Pollution Monitoring System using FPGA and Wireless Sensors" International Conference on Science and Innovative Engineering(ICSIE 2014) on 5th and 6th April, 2014.

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FACULTY PUBLICATIONS
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UG Publications

1. Suvasini Lakshminarayanan, **Sakthivel Murugan Santhanam** and V. Natarajan, “Extraction of Hidden Signal using FFT Implementation of Empirical Mode Decomposition Technique in an Underwater Acoustic channel”, Proceedings of National Conference OSICON , PUNE pp 26-28, November 2013.
2. **Vinoth kumar.C**, Natarajan.V, Putta Harshitha, Rashmi Bachala, Yadati Lasya, “Reversible Water Marking Based on Difference Expansion Prediction Techniques”, National Conference on Computer Communication Networking NC3N-2014, SRM Valliammai Engg. College, Chennai, May 2014

PG Publications

1. Elaveni P, **Dr.N.Venkateswaran**, 'Hyperspectral Image Feature Extraction and Classification using KPCA,SVM and ICS-SVM', National Conference on Computer, Communication and Signal Processing (NCCCSP 2014) .
2. Iswariya A,**N.Prabhagan**, ‘A MAC protocol for hidden terminal and deafness avoidance with directional antennas’,National conference on computer communication and networking, 2014
3. Aishwarya D,**Dr.N.Venkateswaran**, ‘Wavelet Coefficient based Anisotropic Diffusion for Image Restoration Algorithms’, National Conference on Computer, Communication and Signal Processing (NCCCSP 2014).
4. Adeline Sheeba.W,**L.Nandita**, ‘Network Performance Evaluation in Self Organizing Network’,National conference on advances in information and communication technology (AICT 2014), 27th and 28th Feb,2014, Sri Venkateswara College of Engineering, Sriperumbudur, ISBN 978-0-9894254-5-2 © 2014 Published by Coimbatore Institute of Information Technology.
5. Devipriya S, **Dr.N.Venkateswaran**, ‘Power Allocation in Amplify and Forward Relaying with Training Aided Channel Estimation’, National Conference on Computer, Communication and Signal Processing (NCCCSP 2014).
6. D.Dhivya Bharathi, **S.Sundaravadivelu**, “Joint Timing and carrier frequency offset Estimation in Decode and Forward Multi-Relay Co-operative Networks using the PX-EM Algorithm.

7. Lingasamy N, **Dr.K.T.Selvan**, 'Studies on Multiple Diffraction Effects in Ridged Horns', National Conference on Information and Communication Technology.
8. Monika M, **S.Karthie**, 'Design of Comblined Microstrip Bandpass Filter Topologies on different substrates', National Conference on Recent Trends in Wireless Communication and Networking (RTWCN), March-7&8, 2014, Valliammai College of Engineering, Chennai.
9. Nandita Das, **Dr. S. Radha**, B. Victoria Jancee, 'Distributed Fault Tolerance for Non-Binary Event Detection in Wireless Sensor Networks', National conference on advances in information and communication technology (AICT 2014), 27th and 28th Feb, 2014, Sri Venkateswara College of Engineering, Sriperumbudur. ISBN 978-0-9894254-5-2 © 2014 Published by Coimbatore Institute of Information Technology.
10. Priyanga N, **S.Karthie**, 'Design of compact hairpin structure for microstrip bandpass filter', National conference on informatics and communication (14 march 2014). Velsu university, chennai (Best paper).
11. Roji Varghese Rajan, **B. Partibane**, 'Location Verification and Routing in VANETs under Non-line of sight Conditions', National Conference on Networking and Communication, held at RMK Engineering College.
12. Sahana S, **Dr.R.Amutha**, 'Centralized and Distributed Data aggregation schemes in WSN', National Conference on Advances in Information and Communication Technology (ISBN: 978-0-9894254-5-2)
13. Sangeethapriya S, **Dr.R.Amutha**, 'Energy Efficient Data Transmission Using Cooperative MIMO in WSN'. National Conference on Advances in Information and Communication Technology (ISBN: 978-0-9894254-5-2)
14. Sathish Kumar B, **Dr.K.T.Selvan**, 'A Note on Bandwidth Enhancement in waveguides with Multiple pairs of ridges', National Conference on Information and Communication Technology.
15. Lynda Jennith V, **C. Thiruvenkatesan**, "Low Power Circuit Design using Reversible Logic Gates" National Conference on Emerging Trends in Electronics, Instrumentation and Control (EtEIC-2014) at Valliammai Engineering College, Chennai, 3rd May 2014.
16. Yazhini S, **Sreeja.B.S.**, "Design and Simulation Analysis of RF MEMS Quad Output Switch for Ku-band Applications" TEQIP II Sponsored National Conference on Electronics, Signal Processing, Communication and Embedded Systems (NCESCES'14) 27th and 28th February, 2014.
17. Suresh Babu R., Ganesh kumar C., **Premanand V.Chandramani**, "Load scheduling for smart home using ANFIS" National conference on Emerging trends in Electronics Instrumentation and Control (ETEIC-2014), 3rd May 2014.