

SSN COLLEGE OF ENGINEERING, KALAVAKKAM-603110

DEPARTMENT of ELECTRONICS and COMMUNICATION ENGINEERING

FACULTY PUBLICATIONS

June 2012 to May 2013

International Journals

1. **K.T. Selvan**, "A simpler version of optimum pyramidal horn design equations," IEEE Antennas and Propagation Magazine, vol. 55, no. 2, pp. 235-236, April 2013. ISSN NO: 1045-9243 IF: 1.18
2. Godwin Jacob D, **Karthika S**, "Performance analysis of MAC protocols in underwater communication by using optimum packet size," in the proceedings of International Journal of Advanced and Innovative Research, IJAIR 2013, Vol 2 Issue 3, ISSN: 2278-7844, pp.584-590, April 2013.(PG), IF-nil
3. Kamesh M and **Karthika S** ,"Performance improvement in underwater wireless sensor networks using MFBR technique with error control coding" in the proceedings of International Journal of Advanced and Innovative Research, IJAIR 2013, Vol 2 Issue 3, ISSN: 2278-7844, pp.602-606, April 2013. (PG), IF -nil
4. **Edna Elizabeth. N, Radha. S**, Priyanka K, Bhavana S, Varsheeni R, "MCIA-Mitigating Colluding Injected Attacks in Mobile Ad Hoc Networks", 4, pp European Journal of Scientific Research, ISSN 1450-216X, © EuroJournals Publishing Vol. 89, pp 582-593, October, 2012.(UG), IF -0.493
5. Shoba S. (ME/CS passed out), Asnath Vicky Phamila Y. (FT Research scholar/ECE) and **Amutha R.** (Prof/ECE), "Memory Efficient Image Compression Scheme for Multimedia Sensor Networks", CIIT International Journal of Digital Image Processing, Vol.4 No 12, July 2012.(PG). IF-nil, ISSN NO: nil
6. **Sakthivel Murugan S, Radha S**, Natarajan V, "Adaptive Algorithm Testing to Determine Best Adaptive Filtering Approaches for De-Noising Signals Affected by Wind Noise", Algorithms for Underwater Acoustic Communications, Vol.53, No7, July 2012. IF : Nil, ISSN NO: nil
7. **S. Sakthivel Murugan**,V. Natarajan and R. Rajesh Kumar, "Estimation Of Noise Model And Denoising Of Wind Driven Ambient Noise In Shallow Water Using The LMS Algorithm", Vol. 40, No. 2, August 2012. (PG). IF: Nil, ISSN NO: nil
8. **S Sakthivel Murugan**, V Natarajan "SNR and MSE analysis of KLMS algorithm for underwater acoustic communications", Journal of Marine Engineering and Technology, Volume 11 No 3 September 2012. IF: Nil, ISSN NO: nil

9. M.Madhu and **R.Amutha**, "An Integrated Approach to Robust Human Face Detection for complicated Facial Expression Angles and Illuminations", European journal of scientific research vol .85, No. 1, pp.123-144, August 2012. (Research scholar ext). IF : 0.493, ISSN 1450-216X
10. M.Moorthi and **R.Amutha**, "A Modified Medical image coder with contrast enhancement", European journal of scientific research vol .85, No.2, pp.207-217, September 2012. (Research scholar ext) IF: 0.493, ISSN 1450-216X
11. S.Ganesh **R.Amutha**, "Efficient and secure routing protocol for wireless sensor networks through optimal power control and optimal Hand-off based recovery Mechanism", International journal of computer networks and communications Vol 2012, pp 1-8, June 2012. (Research scholar ext) IF: 0.25, ISSN NO: 2090-7141
12. Y.Asnath Vicky Phamila and **R.Amutha**, "Robust, Secure and Energy Efficient Image communication in Wireless camera Sensor networks", International Journal of Advanced Computing (IJCA), Vol. 35, No.2 pp.239-245, July 2012. (Research scholar int) IF -1.9, ISSN NO: nil
13. **Anbuselvi M, Salivahanan S**, "Analysis of an Area Efficient VLSI Architecture for Floating Point Multiplier and Galois Field Multiplier", International Journal of VLSI Design, vol.3, No.1, pp: 21-26, June 2012. IF: nil, ISSN NO: nil
14. **R. Kishore, S. Radha**, L. Cherly Flar, "Improving Connectivity and Resilience using ECC based Key Predistribution for deployment Knowledge based WSN", WSEAS Transactions on Communications, Issue 9, volume 11, pp: 309-320, September 2012.(PG) IF: 0.25, ISSN NO: 11092742
15. **Prabagarane N**,Sabarish Karthik,Prasaanth MYuvika Ashwina R, "Performance of MUTP aided system over correlated frequency selective wireless communication channel-a multi cell perspective", Eurasip Journal on wireless communications and Networking, vol 2012:194, pp 1-11,Oct 2012.(UG). ISSN NO: nil, IF: nil
16. **Prabagarane N**,Prasaanth M,Sabarish Karthik,Yuvika Ashwina R, Shriram S, "Multi User Transmitter Preprocessing assisted uplink multi cell MIMO system with base station cooperation over frequency selective channels", Elsevier - Computers and Electrical Engineering, Vol 39, issue 3, April 2013, ISSN No: 0045-7906, pp 1016-1025. (UG). IF:0.97
17. Shruthi R, **Prabagarane N**,Selvam PD,Sriram R,Nithin S, "Performance of transmitter preprocessing assisted cooperative relaying with fixed infrastructure relays", Elsevier -Computers and Electrical Engineering, Vol 39, issue 3, April 2013, ISSN No: 0045-7906, pp 996-1005 (UG). IF: 0.97
18. **S. Sakthivel Murugan**, V. Natarajan, **S.Radha**, "Analysis of MNLMS and KLMS algorithm for underwater acoustic communication" published in Journal of

- Fluctuation and Noise Letters”, Journal of Fluctuation and Noise Letters, Volume 11, Number 4, October 2012, pp 1-11. IF: nil, ISSN NO: nil
19. **S.Sakthivel Murugan**, V.Natarajan, “Implementation of threshold Detection Technique for extraction of composite signals against ambient noises in underwater communication using empirical Mode Decomposition”, Journal of Fluctuation and Noise Letters, Volume 11, Number 4, November 2012, pp 1-13. IF: nil, ISSN NO: nil
 20. **R. Rajavel** and P. S. Sathidevi, “Adaptive reliability measure and optimum integration weight for decision fusion audio-visual speech recognition”, Journal of Signal Processing Systems (Springer), Volume 68, Issue 1, pp 83-93, Jul. 2012. IF: Nil, ISSN NO: nil(PG)
 21. **K.T. Selvan**, “Fundamentals of electromagnetic units and constants,” IEEE Antennas and Propagation Magazine, vol. 54, no. 3, pp. 100-114, June 2012. ISSN NO: 1045-9243 IF: 1.18
 22. G. Gnanagurunathan and **K.T. Selvan**, “Gain enhancement of microstrip patch antennas by using complementary EBG geometries,” Journal of Electromagnetic Waves and Applications, vol. 26, no. 2/3, pp. 329-341, June 2012, IF: 0.94, ISSN NO: 0920-5071
 23. **K. J. Jegadish Kumar**, S. Sathrapathi Sivaji, G.Y. Deepak, “ A Substitution Permutation Network Design using Cellular Automata For Cipher systems,” In International Journal of Advanced and Innovative Research (IJAIR) , Vol. 2, Issue. 1, No. 39, Jan 2013, pp 237 – 243. (ISSN No. 2278 – 7844). IF: nil (PG)
 24. **K. J. Jegadish Kumar**, G.Y. Deepak, S. Sathrapathi Sivaji, “A Novel Cellular Automata Based Stream Cipher YUGAM: 128,” International Journal of Advanced and Innovative Research (IJAIR), Vol. 2, Issue. 1, No. 38, Jan 2013, pp 231 – 236. (ISSN No. 2278 – 7844). IF : nil (PG)
 25. **K.J.Jegadish Kumar**, K.Chenna Kesava Reddy, **S.Salivahanan**,"Improving Resistance Against attack of L2DCASKE Encryption algorithm by using RCA Rule 30 based S-Box," International journal of computer Applications, Volume-70-No:16, May 2013, pp - 26 - 30. IF: 0.835, ISSN NO: 0975-8887
 26. S. Geetha and **R. Jayaparvathy** ,” Congestion free fair resource allocation scheme for IEEE 802.16 WiMAX Networks”, European Journal of Scientific Research, Vol.81, Issue 2, August 2012 (Imp. Factor: 0.03). ISSN NO: nil (Ext Research scholar).
 27. K.R Jaya Kumar (ME –CS), **S. Hanis**(AP/ECE) published a paper titled “ Speckle Noise Reduction of SAR Images using Hybrid GMAP- Median Filter in

International Journal of Advanced and Innovative Research Vo.2 Issue 3
ISSN:2278-7844, pp 53-59 March 2013. .(PG), IF: nil

28. **Muthumeenakshi.K, Radha.S**, "Distributed Cognitive Radio Spectrum Access with Imperfect Sensing using CTMC", International Journal of Distributed Sensor Networks, Volume 2013, Article ID 257801, April 2013, 11 pages. ISSN NO: 1550-1329 IF:0.727
29. **V. Vaithianathan**, .J.Raja, R.Srinivasan, "A 2 - 12 GHz Ultra Wide Band CMOS Low Noise Amplifier with High Gain and Linearity", American Journal of Applied Sciences [ISSN: 1546-9239], Vol. 9, No.8, pp.1158 - 1165, August 2012. IF: nil
30. **V. Vaithianathan**, J.Raja, R.Srinivasan, "A Low Power, High Gain, Low Noise Amplifier with Improved Noise Figure and Input Matching for Ultra Wide Band Applications", Iranian Journal of Science and Technology (IJST-ISSN:1028-6284): IJST, Transactions of Electrical Engineering, Vol. 36, No. E2, December 2012, pp 163-174, IF:nil
31. **Anbuselvi M, Salivahanan S**, "Analysis of reduced complexity Nonbinary LDPC coding based on Matrix structure modifications" ,International review on modeling and simulation Vol 6. No.2 April 2013 pp: 663-667. IF: nil, ISSN NO: nil
32. R. Revathy and **K.J.Jegadish Kumar**, "MEMS based top-loaded monopole antenna operating at 77 GHz for automotive radar system, "International Journal of Advanced and Innovative Research, IJAIR , March 2013, Vol 2, Issue 3,pp 417-421, ISSN: 2278-7844. IF: nil(PG)

SSN COLLEGE OF ENGINEERING, KALAVAKKAM-603110

DEPARTMENT of ELECTRONICS and COMMUNICATION ENGINEERING

FACULTY PUBLICATIONS

June 2012 to May 2013

International Conference

1. Nithin Srinivasan, Sriram Ravichandran, Shruthi Ravichandran and **Prabagarane Nagaradjane**,” Multiuser transmitter Preprocessing Aided Downlink communications in correlated Frequency-Selective Channels, Springer Int. Conf, WiMoN, Vol 176, pp 563-576, July 15-17, 2012. (UG)
2. Tharannum Musheer, **Premanand Chandramani**, “Spur reduction technique for Integer-N frequency synthesizer”, IEEE International conference on Information and Communication technologies (ICT 2013), Noorul Islam Centre for Higher Education, Kanyakumari district,Tamil Nadu-629 180, India, 11-12 April 2013, pp. 1123-1128. (PG)
3. B. Ganesh Sai, **Premanand Chandramani**, “Time-interleaved pipeline ADC in transceivers for 60Ghz applications”, IEEE International conference on Information and Communication technologies (ICT 2013), Noorul Islam Centre for Higher Education,Kanyakumari district,Tamil Nadu-629 180, India, 11-12 April 2013, pp. 1129-1132.(PG)
4. Maran Ponnambalam, **Premanand Chandramani**, “Injection locked Differential Ring VCO”, IEEE International conference on Information and Communication technologies (ICT 2013), Noorul Islam Centre for Higher Education,Kanyakumari district,Tamil Nadu-629 180, India, 11-12 April 2013, pp. 1133-1136.(PG)
5. Florence Monica and **Venkateswaran** ,” Efficient Image Compression Scheme by Sparse Representation and Dictionary Learning”, Proceedings on International Conference on Computing and Communication Technology 2013(ICCCT'13), Nagercoil, March 2013. (PG)
6. Florence Monica and **Venkateswaran** ,” Color Image Denoising using Modified Sparse Representation and Dictionary Training”, IEEE International Conference on Communication and Signal Processing-ICCSP'13, Chennai, April 2013(accepted).(PG)
7. Pavithra S, **Sreeja B.S**, “Wireless Powering System for Implantable Bio-MEMS Sensor ”, Second International Conference on Computing and Communication Technology, held at Immanuel Arasar JJ College of Engineering, March 1st and 2nd, Marthandam, 2013.(PG)

8. Narmadha S, **Sreeja B.S**, Bindu .B “Capacitive Fringing Field Sensor Design for Moisture Measurement”, Second International Conference on Computing and Communication Technology, held at Immanuel Arasar JJ College of Engineering, Marthandam, March 1st and 2nd , 2013.(PG)
9. Godwin Jacob D, **Karthika S**,"Hybrid Mac Protocol Based On Optimum Packet Size For Underwater Communication," in the Proceedings of International Conference on ETIEE'13, March 2013, pp.178-183. (PG)
10. Rajaraja.R and **Pavithra.D**, "Implementation of Hardware Efficient Light weight Encryption Method", IEEE International Conference on Communication and Signal Processing - ICCSP' April 03, 04 & 05 2013, 355-359.(PG)
11. N. Aishwarya, **R. Amutha**, "Entropy powered image fusion using multiscale toggle contrast operator", International Conf. Recent trends in computer and networking technologies, organized by library & Information science promotion society, IGKAR, Dec 21-23, 2012. (PG)
12. N. Aishwarya,(M.E C.S) Y. Asnath Vicky Phamila, **R. Amutha**,"Multi-focus image fusion using multi-structure top hat transform and image variance", in Proc. of IEEE International Conference on Communication and Signal Processing, pp. 686-689, April 2013.(Adi parasakthi Engg college.) (PG)
13. R.Jansi, Asnath vicky phamila, **R.Amutha**, “Performance studies of super resolution Algorithms”, International conference on Information, computing and Telecommunications (ICICT) organized by Interscience research network, 20th Jan 2013, pp. 35-41.(King’s Hotel, Egmore, Chennai). (PG)
14. M.Moorthi and **R.Amutha**, “Medical Image compression using Adaptive Neural Network” International conference on Emerging Trends in Science, Engineering and Technology, pp 222-226, JJ Engineering college, Chennai, Dec 13-14, 2012.(Research scholar-ext)
15. M.Madhu and **R.Amutha**, “A novel Approach to Face Recognition under various facial expressions, Occlusion and Tilt Angles” International conference on Emerging Trends in Science, Engineering and Technology, pp.143-149, JJ Engineering college, Chennai, Dec 13-14, 2012.(Research scholar-ext)
16. Esai Amudha Vani G., **S. Joseph Gladwin**, “Low Power FFT Architectures via Folding Transformation”, Third International Conference on Advances in Information Technology and Mobile Communication – AIM 2013, organized by ACEEE, 26, 27 April 2013.(PG)
17. **S. Joseph Gladwin**, Mangaiyarkkarasi M., “Performance Analysis of Phase Noise Impaired OFDM System in a Frequency Selective Fading Channel”, IEEE International Conference on Information and Communication Technologies, organized by Dept. of ECE, NI University, 11, 12 April 2013.(PG)

18. Arunachalam T and **Kirubaveni S**, "Analysis of high speed multipliers," IEEE International Conference on Communication and Signal Processing-ICCSP'13, 3-5 April 2013.(PG)
19. Ronisha Prakash and **Kirubaveni S**, "Performance evaluation of fft processor using conventional and vedic algorithm", IEEE International Conference in Emerging Trends in computing, communication and Nanotechnology, 25-26 March 2013.(PG)
20. Geethapriya S and **Jawahar A**, "Performance Evaluation of Hybrid Topology Control in WSN", IEEE International Conference on Communication and Signal Processing - (ICCSP'13), April 3-5, 2013.(PG)
21. **C. Vinoth Kumar**, V. Natarajan, Deepika Bhogadi, "High Capacity Reversible Data hiding based on histogram shifting for Medical Images", International Conference on Communication and Signal Processing (ICCSP'13), April, 2013. (PG)
22. Akshaya A and **Vinoth Kumar C**, "Study of Medical Image protection and authentication by Steganocryptographic Techniques", International Conference on Science, Engineering and Management, Srinivasan Engineering College, April 17-18, 2013. (PG)
23. Aruna Jayashree.R and **Jino Hans.W**, 'RGB to HSI color space conversion via MACT algorithm" March 2013, ICCSP (Paper Accepted). (PG)
24. Sudha Rani.K and **Jino Hans.W**, "FPGA implementation of Bilinear interpolation for CFA demosaicing" March 2013, ICCSP (Paper Accepted). (PG)
25. T.K. Sivakumar and **C. Annadurai**, " Efficient implementation of FFT/IFFT IP Core for OFDM application", IEEE International conference on Communication and signal Processing, April 2013. (PG)
26. T.K. Sivakumar and **C. Annadurai**, "Design and Analysis Of Efficient MIMO-OFDM System, IEEE International conference on Communication and signal Processing, April 2013. (PG)
27. Vaishnavi.R, **S. Salivahanan** and **Mr. K.J.Jegadish kumar** ,"A Compact 2.4 GHz Planar Meander Line Antenna for Resource Constrained Applications," in the proceedings of International Conference on Design, Analysis, Manufacturing and Simulation, ICDAMS 2013, March 21 & 22, 2013, pp. 97-101. (Saveetha University)" (PG)
28. **Kuttathatti Srinivasan Vishvaksenan** , R.Seshasayanan and J.Jasper Beusan Jeny," , Performance of MUTP assisted IDMA System for Downlink Communications",IEEE conference, adhiparasakthi Engineering college ICCSP'13, April, 3-5, 2013. (PG)

29. **Kuttathatti Srinivasan Vishvaksenan** , R.Seshasayanan and J.Jasper Beusan Jeny, ,"Performance of Dual-Polarized MIMO MC-IDMA System for Downlink Communications",adhiparasakthi Engineering college,IEEE conference,ICCSP'13,April 3-5,2013.(PG)
30. **Kuttathatti Srinivasan Vishvaksenan** , R.Seshasayanan and , N.Abisha,"Performance of DSTTD MC-IDMA System for Downlink Communications",adhiparasakthi Engineering college,IEEE conference, ICCSP'13.April 3-5,2013.(PG)
31. **Kuttathatti Srinivasan Vishvaksenan** , R.Seshasayanan and , N.Abisha,"Performance of Dual polarized DSTTD-IDMA System in frequency-selective channels ",adhiparasakthi Engineering college, IEEE conference, ICCSP'13,April3-5,2013.(PG)
32. **Kuttathatti Srinivasan Vishvaksenan** , R.Seshasayanan and ,Yuvaraj Krishnamoorthy," ,Joint VBLAST/STBC Assisted MIMO MC-IDMA System in Frequency Selective Channels: Performance Results", IEEE conference, 978-1-4673-1622-4/12/\$31.00 ©2012 IEEE.(UG)
33. Arshiya Sulthana .A.K, **Pritanair**, "Study Of Generation Of Optical Frequency Combs Using Microring Resonators And Its Application To Optical Clock Rate Multiplication," in the proceedings of 2013 IEEE International Conference on Information and Communication Technologies (ICT 2013), April 11th and 12th, pp. 459-463, (Noorul Islam University, Nagarkoil).(PG)
34. Loganathan A, Hemalatha R and **S.Radha**, "Efficient image encoding technique for wireless sensor networks using compressed sensing", in the proceedings of International conference on Advancement in Engineering and Technology (ICAET 2013), April 6th , Vol-2, pp. 174-181. (Dr.MGR Educational and Research Institute University, Chennai) (PG).
35. Madhunikka devi R and **Prita Nair**,"Experimental Characterisation and Theoretical Modelling of the Mach Zehnder Interferometer for Dispersion Measurement," in the proceedings of 2013 IEEE International Conference on Information and Communication Technologies (ICT 2013), April 11th and 12th, pp. 475-480. (Noorul Islam University, Nagercoil). (PG)
36. Susithra D, **Jawahar A** ,"Energy Efficient Technique using GAF-O Approach for Wireless Sensor Network ," in 6th International Conference on Science, Engineering and Technology, SET-2013, May 7th and 8th 2013. (VIT university) (PG)
37. Mubeena Parveen . J & **Rajavel .R**, "Multi-Level Denoising Filter Bank for Speech Signal," Proceedings of International Conference "ICSEM'13", April 2013, pp. 546-550.(PG)

38. Elamaran C S and **Anbuselvi M**, "Low Complexity Design Of Non-Binary Ldpc Decoder Using Extended Min-Sum Algorithm", International conference on Science, Engineering and Management (ICSEM'13), Srinivasan Engineering college, Perambalur, pp 13-17, 2013. (PG)
39. Beryl R, **Vaithianathan V.** and **Kirubaveni S.**, "Comparative Analysis of various On-Chip Spiral Inductors", Proceedings of International Conference on Communication and Signal Processing (ICCSP13), Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India – 603319, April 3 – 5, 2013. (PG)
40. Niti Mohan, **Vaithianathan V.**, " Noise Analysis of the Input Matching Circuits for UWB Low Noise Amplifiers", Proceedings of International Conference on Communication and Signal Processing (ICCSP13), Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India – 603319, April 3 – 5, 2013. (PG)
41. Anapagamini S. A., **Rajavel R.**, "Removal of Artifacts in ECG Using Empirical Mode Decomposition", IEEE International Conference on Communication and Signal Processing-ICCSP'13, Adhiparasakthi Engineering College, Melmaruvathur, 5th, April 2013, pp. 845 - 849. (PG)
42. S. Aruna and **M.Anbuselvi**, "FFT-SPA based non-binary LDPC Decoder for IEEE 802.11n Standard" IEEE International Conference on Communication and Signal Processing, pp. 1974-1977, April 2013. (PG)
43. C.Praveen Richard Ebenezer, B.Priyadharshini, K.VishnuPriya, A.Kavitha and **N.Venkateswaran**, "Wavelet-based Fusion Scheme for Human Head Modeling", Proceedings of International Conference on Pattern Recognition Application and Techniques, pp. 80-86, March 2013. (UG)
44. **N.Venkateswaran**, "Joint Transmitter and Receiver Optimization of Multiuser MIMO downlink system using Bacterial Foraging Algorithm", Proceedings of International Convention cum Pre-Conference Workshop on Innovations in Engineering and Technology for Sustainable Development, pp. 397-403, September 2012.
45. N. GUNASEELAN, NAFIS AHMED, **SURESH R. NORMAN**, "Hydrogenated amorphous silicon nitride thin film as ARC for solar cell applications",

International Conference, ICSEM-13, at Srinivasa College of Engineering ,
Perambalur, May 17,18 2013.(UG)

46. M.Niranjana Priyadarshini, **P.Vijayalakshmi**, “ Effect of speech Rate on Synthetic Speech Quality in Phoneme and Consonant-Vowel Unit-Based Unit Selection and HMM-Based Speech Synthesizers”, First International Conference on Communication, Computation and Control-ICCCC 2013, April 11-13, pp 250-254(PG)

SSN COLLEGE OF ENGINEERING, KALAVAKKAM-603110

DEPARTMENT of ELECTRONICS and COMMUNICATION ENGINEERING

FACULTY PUBLICATIONS

June 2012 to May 2013

National conference

1. M. Renuka, **R. Kishore**, "Receiver Antenna Selection algorithm for uplink MU-MIMO System," In the Proceedings of National Conference on Research Trends and Challenges in Automotive Electronics, VIT Universty, Vellore, 12-13 Oct 2012, pp.18-22.(PG)
2. Ramesh S., **Venkateswaran N., Premanand Chandramani**, "Design of a high speed reconfigurable fast fourier transform architecture for high rate WPAN applications", National Conference on Current trends in Mathematical Transforms (NCCTMT-13), VIT University, Chennai, Tamil Nadu, India, 27 April 2013. (PG)
3. Poojitha R., **Venkateswaran N., Premanand Chandramani**, "Depth Map estimation and reconstruction in Stereo Vision", National Conference on Emerging trends in modern electronics and bio-medical engineering, Jerusalem college of Engineering, Chennai-600100, Tamil Nadu, India, 03 May 2013.(PG)
4. Akshay Ramachandran, Srinath T.M., **Premanand Chandramani, Venkateswaran N.**, "Autonomous real-time human target detection and tracking using Kalman Filter", National Conference on Emerging trends in Information and Communication technologies (NCETICT-2K13), SSN College of Engineering, Chennai, Tamil Nadu-603110, India, 10 April 2013.(UG)
5. S.Subasree, **Edna Elizabeth N**, "Enhanced Secured Key Management Scheme for MANETs", in Proceeding of 5th National Conference on Recent trends in VLSI, Information and Communication (NCRVIC 2013), B.S.Abdul Rahman University, Chennai, April 4-2013 PP 91-95.(PG)
6. Karthika M, Lavanya T.P, Lekha P, **Esther Florence S**, " Design of a Reconfigurable Antenna Using a Cloth Substrate in the Proceedings of NCICN - 13, Nagapattinam, April 3, 2013.(UG)
7. N. Ragulvasan, **G. Durga** " Design and Performance Analysis of Digital Filter Based on Modified Fast FIR Algorithm" in National Conference on "Embedded Computing, Communication Systems and Robotics" Vellore, Tamilnadu on 16 March 2013.(PG)

8. R. Subha (II Year ME VLSI), **G. Durga** "Design of Digital Filter Using Low Power & Area Efficient SQRT CSLA" in National Conference on "VLSI and Embedded Systems", SRM University, Kattankulatur, Tamilnadu, during 14 -15 February 2013.(PG)
9. S. Sridhar Raj, **G. Durga** " Design of High Conversion Gain Current Reuse CMOS Mixer for mm-wave Applications" in National Conference on "Advances in Electrical and Electronics Engineering" at Sri Venkateswara College of Engineering, Chennai, Tamilnadu during 01 – 02 March 2013.(PG)
10. V Saranya, **B Ramani**, "Optimizing Feature Selection for Speech Recognition System" in Proceeding of 5th National Conference on Recent trends in VLSI, Information and Communication (NCRVIC 2013) 4, April 2013, pp.72-77. (PG)
11. **Ramani B**, V Sherlin Solomi, Anushiya Rachel G, S.Lilly Christina, **P Vijayalakshmi**, Nagarajan T, Hema A Murthy, "Development and Evaluation of Unit Selection and HMM-Based Speech Synthesis Systems for Tamil" in NCC, 2013.(National Conference on Communications (NCC 2013) organized by IIT, Delhi during February 15-17, 2013.(PG).
12. M.P.Actlin Jeeva, **B. Ramani**, **P. Vijayalakshmi**, "Performance Evaluation of Unit Selection-Based Speech Synthesizers for Indian Languages using Festvox Framework" in Proceeding of 5th National Conference on Signal Processing Communications & VLSI Design (NCSCV 13) 10-11 May 2013, pp307-310.(PG)
13. M. Anbu Swarna Priyanka, V. Sherlin Solomi, **P. Vijayalakshmi**, T. Nagarajan, "Speech recognition system developed using Multiresolution Feature Extraction (MRFE) for sparse data" in Proc. of National Conf. on Signal Processing, Communication and VLSI Design (NCSCV'13), Coimbatore, May. 10-11, 2013, pp. 302 – 306.(PG)
14. S. Johanan Joy Singh, G. Anushiya Rachel, **P. Vijayalakshmi**, T. Nagarajan, "Incorporating Emotions into Neutral Speech by Modifying Glottal Closure Instants", in Proc. of National Conf. on Signal Processing, Communication and VLSI Design (NCSCV'13), Coimbatore, May. 10-11, 2013, pp. 339 – 343.(PG/CC)
15. Saranraj.S and **Pavithra.D**, "Design and performance analysis of vedic multiplier using T-SPICE", Eighth National Conference on Optimization Techniques in Engineering Sciences and Technologies- OPTTEST2013' Bannari Aman Institute of Technology, Sathyamangalam, April 19 & 20 2013, 1434-1440.(PG)
16. R. Jansi, (ME CS Student) Y. Asnath Vicly Phamila (Research Scholar) and **Dr. R. Amutha** , "Super Resolution Image Construction Using Wavelet Based Fusion

and Directional Adaptive Interpolation," in the proceedings of National Conference on Information and Communication Engineering, NCICE 2013, February 25, pp. 87-91. (R.M.K Engineering College).(PG)

17. K.Ashwini, (ME CS Student) Asnath Vicky Phamila(Research Scholar) and **Dr. R. Amutha**, "Multi-Focus Image Fusion using wavelet coefficients," in the proceedings of National conference on Information and Communication Engineering, NCICE 2013, February 25, pp. 1-4. (R.M.K Engineering College).(PG)
18. **R.Kalidoss**, M.A.Bhagyaveni, Pradhyothana.B, Rohit.P.Jain, Shreenav Goswami.G,"Interference Reduction in IEEE 802.22 By Hybrid Division Duplex Approach", National Conference on Emerging Trends in Information and Communication Technologies (NCETICT-2K13) on April 10, 2013, Chennai, pp-67-71.(UG)
19. J.Sharanya (ME–CS), **S. Hanis** (AP/ECE) presented a paper titled " Comparison of segmentation and detection of Brain tumor in MRI images" in the national conference on Embedded systems, VLSI and Signal Processing organized by Sri Lakshmi Ammal Engineering College, Chennai April 5, 2013 , pp-29 and won the best paper award for the same. (PG)
20. N. Rooban Ponraj (ME-CS), **S. Hanis** (AP/ECE) ,"Segmentation and Pose Estimation of SAR Images", Third National Conference on Information and Communication Engineering, RMK Engineering College, February 25, 2013, pages 73-80.(PG)
21. Florence Monica and **Venkateswaran**, "Sparse Representation and Dictionary Training for Efficient Color Image Denoising", proceedings of the National Conference On Future Information Technology, pp. 95-100, February 2013.(PG)
22. Poojitha and **N.Venkateswaran** "Depth Map Estimation and Reconstruction in Stereo Vision" proceedings of the National Conference on Emerging Trends in Modern Electronics and Biomedical Engineering (NCMEBME'13), pp. 24-29., April 2013. (PG)
23. T.K.Parani and **N.Venkateswaran** , "Capacity Analysis of Dual polarised Distributed MIMO system using Random Matrix Theory", proceedings of National Conference on Advanced computing technologies, NCACT 2013, pp. 51-54, April 2013 (PG)
24. Florence Monica and **Venkateswaran**, "Image Scale-Up using Sparse Signal Processing", National Conference On Emerging Trends in Future Information and Communication Technologies, NCETICT2K13, pp. 13-18, April 2013.(PG)
25. Ramesh and **N.Venkateswaran**, "Design of a High Speed Reconfigurable Fast Fourier Transform Architecture for High Rate WPAN Applications" proceedings of

the National Conference on Current Trends in Mathematical Transforms – 2013, pp 1-7, April 2013(PG)

26. Ishwarya.R, **Muthumeenakshi.K, Radha.S**, "Spectrum Sensing and Reconfigurable Antenna Design for Cognitive Radio", 2nd National Conference on Recent Advancements in Signal Processing and Communication, April1, 2013, pp 211-215. .(PG)
27. Narmatha.M, **Muthumeenakshi.K, Radha.S**, " Cooperative Game Theoretic Study for Primary User Emulation Attack", 2nd National Conference on Recent Advancements in Signal Processing and Communication, April1, 2013, pp 226-232. (PG)
28. N. Gunaseelan, **Suresh R. Norman** , "Hydrogenated amorphous silicon nitride thin film as ARC for solar cell applications",National Conference at J.S. Engineering College, Valiyoor,T.N.,Joe Suresh Engineering College , Valiyoor, March 2013.(PG)
29. Bharath S., Divya G.,Aishwarya D., **Suresh R.Norman**, "Quad copter based Surveillance System", NCETICT 2013,National Conf. on Emerging Trends in ICT, SSN CE, April 10, 2013.(UG)
30. R.Vignesh Pandian, **S.Sundaravadivelu** and **Suresh R Norman**, 'Zigbee based electronic tourist guide system', National Conference on Methods Enriching Power and Energy Developments, Volume1, Issue4, April 2013, pp 477-479. .(PG)
31. R.Sridhar, **S. Sundaravadivelu, Mr. Suresh R Norman** "Wireless Tyre Pressure Monitoring System", National Conference on Methods Enriching Power and Energy Developments, Volume.1,Issue 4, April 2013,pp.712-714. .(PG)
32. P.S. Yaksshana and **Kirubaveni S** , "Area optimization and Performance analysis of modified decision based unsymmetrical trimmed median on images to remove salt and pepper noise" , Emerging Trends in Information and Communication Engineering, 4 May 2013.(PG).
33. Harish S, Hemalatha R and **S. Radha**, "Image recovery from reduced sparse measurements by compressed sensing", in the National Conference on "Emerging Trends in Modern Electronics & Bio Medical Engineering", NCMEBME'13, on May 03rd 2013, pp.6-10. .(PG).
34. Nandhini, Y. Asnath Vicky Phamila and **R. Amutha** ,"Performance Evaluation of Image Compression algorithms," in the proceedings of National conference on Signal processing, communication and VLSI Design , NCSCV 2013, May 10 and 11, pp. 418-421. (Anna University, Regional centre, Coimbatore).(PG)

35. Nirmala.P, **Kishore R**, ' Energy efficient image reconstruction using compressive sensing for wireless sensor network', NCRVIC- 2013 held at B.S. Abdur Rahman University ,Vandaloor. April 2013 (PG)
36. Prabavathy R, **Hanis S** ,"Detection of Melanoma from Iris Image," in the Proceedings of 5th National Conference on Signal Processing Communication, and VLSI Design, NCSCV-2013, May 10th and 11th 2013, pp 76-378. (Anna University, Coimbatore). (PG)
37. Savitha.C, **Karthie.S**, "Design of Parallel Coupled Microstrip Bandpass Filter Using Odd and Even mode characteristic impedance at 2GHz", National conference on communication and sensor technology, April 11-12, 2013, pp.106-110. (Hindusthan university, chennai). (PG).
38. Susithra D, **Jawahar A**, "A Novel Energy Efficient Management Technique for Wireless Sensor Network ," in the proceedings of 5th National Conference on Signal processing and VLSI design, NCSCV-2013, May 10th and 11th 2013, pp. 1098-1102. (Anna university, coimbatore). (PG).
39. P.Yamini, **S.Karthie**, **S.Salivahanan** , 'Design and Comparison of Capacitively Coupled Uniform Impedance resonator and Stepped Impedance Resonator', in the proceedings of National Conference on Microwave & Millimeterwave Communication (NCMMC-2013), pp.43-47.(Valliammai engineering college), April 2013.(PG).
40. Rekha Sharon S and **Vinoth Kumar C**, "Retinal Image Segmentation Using Texture, Thresholding and Morphological Operations", National Conference on Emerging Trends in Information and Communication Engineering, PET Engineering College, May 4, 2013.(PG)
41. Rekha Sharon S and **Vinoth Kumar C**, "Blood Vessel Extraction by means of Thresholding and Width measurement", National Conference on Emerging Trends in Computer and Communication Technology, Joe Suresh College of Engineering, April 12, 2013.(PG).
42. **S.Venkataramanan** and **W. Jino Hans**, "Edge Preservation Using Adaptive Order Spline Interpolation", National Conference on Emerging Trends in Information and Communication Engineering, 4 May 2013.(PG)
43. Prabhu.T, **.E.Janardhanan**, "Microcontroller based Autonomous Robot for rescuing alive human" in the National Level Conference on Advances in Electrical and Electronics Engineering (NCAEEE) on March 1-2 2013, SriVenkateswara College of Engineeringa, Pennalur, Sriperumbudur, Chennai.(PG)
44. Murugalakshmi.E and **Janarthanan.E**, "Design and implementation of digital stethoscope using ARM processor", Proceedings of National Conference on Advances in Electrical and Electronics Engineering (NCAEEE-

- 2013), SriVenkateshwara College of Engineering, Sriperumbudur, page 2, March 2013. (PG)
45. N. Kowsalya Devi and **R. Rajavel**, "Hybrid Algorithm for Speech Denoising", in Proceedings of National Conference on Innovations and Research Areas in Computer Applications- NCIRACA'13, S K R Engineering College, Poonamallee, ISBN 978-93-82338-66-6, pp 20-22. April 2013, (PG)
 46. G.Sivakumar, **Vaithianathan V**, " A Fully Digital Transmitter for Impulse Radio", page 33, Proceedings of National Conference on Emerging Trends in Information & Communication Engineering (ETICE'13), PET Engineering College, Tirunelveli, India, May 4, 2013(PG).
 47. S. Aravind Kumar and **C. Thiruvenkatesan**, "Analysis of Random Frequency divider and its FPGA implementation", National conference on Emerging Trends in Information and Communication Engineering, pp. 33, May 2013.(PG)
 48. Dinesh Vinu R. and **Thiruvenkatesan C.**, "FPGA Implementation of REED SOLOMAN DECODER", National Conference on Recent Trends in Electrical and Electronics Engineering, pp. 71-74, May 2013. (PG)
 49. S. Naveen and **M. Anbuselvi**, " FPGA Implementation of Non-Binary LDPC Decoder using Stochastic Computation", Proceedings on National Conference on VLSI and Embedded Systems, Vol.2 pp. 29- 32, March 2013. (PG)
 50. A. Parthasarathi and **V. Vaithianathan**, "Active Inductor Based Reconfigurable LNA for MB-OFDM Receiver", National Conference on VLSI, Communication and Wireless Systems, May 2013. (PG)
 51. Sujanth Roy J and **R. Jayaparvathy**, "Hybrid Egomotion Estimation for Indoor Navigation", Optimization Techniques in Engineering Sciences and Technologies, pp. 1307-1313, April, 2013.(PG)
 52. K.Ashwini and **Dr. R. Amutha**, "Multi-Focus Image Fusion using Trimap," in the proceedings of National conference on Advanced Computing and Information Technology, NACIT 2013, May 3rd 2013, (Jerusalem College of Engineering).(PG)
 53. Aswath Sriram, Annjana Ramesh, Manasa Seshadri, **Radha Sankararajan, Kishore Rajendiran**, "Implementation of Elliptic Curve Cryptography on TelosB motes", In the Proceedings of National Conference on Emerging Trends in Information and Communication Technologies (NCETICT 2013), SSN College of Engineering, Chennai, April 2013, pp. 84-87 (UG).
 54. **S. Joseph Gladwin**, Mangaiyarkkarasi M, 'Performance Analysis of Phase Noise Impaired OFDM System in a Frequency Selective Fading Channel', national conference on Emerging Trends in Information and Communication Technologies (NCETICT - 2K13), SSN College of Engineering, April 2013.(PG)

55. S. Magdalene Mahiba, S. Lilly Christina, **P. Vijayalakshmi**, T. Nagarajan, "Speaker Adaptation Using MLLR and MAP Techniques in Speech Recognition System", in Proc. of National Conf. on Signal Processing, Communication and VLSI Design (NCSCV'13), Coimbatore, May. 10-11,2013, pp. 350 – 353.(PG)/CC
56. S.Prasanna, S.Sandeep Kumar, J.Srikanth, **S.Radha** and Hemalatha, "Image transmission using Compressive Sensing over Wireless Sensor Networks", Proceedings of National Conference on Emerging Trends in Information and Communication Technologies, April 2013, NCETICT, SSN college of Engineering, pp 78-83.(UG)
57. Karthik.G, Ajay.S, Darisi Sumanth, Sathish.A, **Jayaparvathy.R.**, "Autonomous Terrain Navigation For Planetary Rovers", NCETICT, SSN college of Engineering, April 2013, pp 43-46.(UG)
58. Megha.S, Aarish.R, Harimadhav K, **P.Vijayalakshmi**, "GMM Based Voice Conversion for an Unrestricted Domain Speech Synthesizer" NCETICT, SSN college of Engineering, April 2013, pp 37-42.(UG)
59. Karthika.P, Thulasimani.P, Varun K, **Joseph Gladwin.S**, Karthikeyan P, " Design, Development and Performance Analysis of Cell Search Procedure in LTE", Proceeding of NCETICT, SSN college of Engineering, April 2013, pp 88-91.(UG)