SSN COLLEGE OF ENGINEERING
DEPARTMENT OF ECE
LIST OF STUDENT PUBLICATIONS
ACADEMIC YEAR: JUNE 2016-MAY 2017

International Journals

1. Aasha Nandhini S (Research Scholar); Radha S (Faculty ECE); "Efficient CS based Security Approach for Video Surveillance Application in WMSN", Elsevier's Computers and Electrical Engineering, Feb 2017, pp - 1-18.
2. Aasha Nandhini S (Research Scholar); Radha S (Faculty ECE); R. Kishore (Faculty ECE); "Efficient Compressed Sensing based Object Detection System for Video surveillance application in WMSN" Springer's Multimedia Tools and Applications, January 2017, pp 1-21.
3. J. Florence Gnana Poovathy (Research Scholar), and S. Radha (Faculty ECE), "Efficient reconstruction of compressively sensed images and videos using non-iterative method", Journal of Electronics and Communications, Elsevier, 2017, Vol. No. 73, pp. 89 -97.
4. J.Florence Gnana Poovathy,(Research Scholar) and S. Radha.(Faculty, ECE) "Noise performance of non-iterative compressed sensing based recovery algorithm: surveillance applications." *Multimedia Tools and Applications* (2017), pp. 1-19.
5. J Florence Gnana Poovathy (Research Scholar) and S. Radha.(Faculty, ECE) "Non-iterative Pseudo Inverse Based Recovery Algorithm (NIPIRA) for Compressively Sensed Images and Videos." *Wireless Personal Communications*, pp. 1-20.
6. Chithradevi R (Research Scholar), Nafiza (Student PG), B.S.Sreeja (Faculty ECE) and S.Radha (Faculty ECE), (2016) 'Compact modified "T" slot circular patch quad band antenna for MIMO applications', International Journal of Microwave and Wireless Technologies, July 2016 , pp. 1– 9.
7. Joshitha C (Research Scholar), Sreeja B S (Faculty ECE), Sasi Princy S (Research Scholar), Radha S (Faculty ECE), "Fabrication and investigation of low actuation voltage curved beam bistable MEMS switch", Microsystem Technologies, Springer, December 2016,pp.1-14.
8. S. Aasha Nandhini (Research Scholar); Radha S (Faculty ECE); Nirmala P (Research Scholar); Kishore R (Faculty ECE); "Compressive Sensing for Images using a Variant of Toeplitz Matrix for Wireless Sensor Networks" Journal of Real-Time Image Processing, Springer, December 2016, pp.1-16.
9. S. Aasha Nandhini (Research Scholar); Radha S (Faculty ECE); Manimozhi S (PG Student); "Compressed sensing based foreground detection vector for object detection in Wireless Visual Sensor Networks" Elsevier's AEUE International Journal of Electronics and Communications, Feb 2017, Vol 72, pp. 216-224.
10. Chithra Devi R (Research Scholar), Nafiza N (PG student-passed out), Sreeja B S (Faculty ECE), Radha S (Faculty EcE), "A Novel performance diversity Modified Elliptical patch antenna for C-band applications," Microwave and Optical Technology Letters, vol.59, no.2, Feb 2017, pp.408-415.
11. W.Jino Hans (Faculty-ECE) , N.Venkateswaran (Faculty-ECE) , Srinath Narayanan(UG Student), Sandeep Ramachandran (UG Student) (2016) "Estimation of Higher-order Regression via. Sparse Representation Model for Single Image Super-resolution Algorithm" Applied Mathematics and Information Sciences, Vol. 10, No. 5, pp. 1971-1981.
12. W.Jino Hans (Faculty-ECE) , N.Venkateswaran (Faculty-ECE), Lysia Merlin S(PG Student), Divya Priya T (PG Student) (2016) "An Example-based Super-Resolution Algorithm for Multi-Spectral Remote Sensing Images" International Journal of Advanced Computer Science and Applications, Vol.7, No.9, pp. 318-323.

13. **V. Lingasamy,** K.T. Selvan, T. S. Bird and V. Venkatesan, "Uncertainty estimation in the two antenna gain measurement of a 4.8-11 GHz double ridged horn," *IEEE Antennas and Propagation Magazine,* vol. 59, no. 1, Feb 2017, pp. 110-113.

14. Edna Elizabeth.N (Faculty), Shahidh Aqeel Shahul (PG ME-CS), "Velocity Optimized Solar-Time bound Traffic free Routing (VOSTTR) E-E Protocol for VANET's", International Journal of Computer Science and Information Security", Vol. 14, No. 12, December 2016, pp 438-444.

15. S. A. Anapagamini (Student, PG) and R. Rajavel (Faculty ECE), "Hardware implementation of ECG denoising system using TMS320C6713 DSP processor", International Journal of Biomedical Engineering and Technology, Vol 21, No.1, June, 2016, pp 95-108.

16. Resiga, K. V. (Student, PG (CS)), and L. Nandita (Faculty, ECE-SSN), "Peirce's criteria for Multiple Outlier Detection in Cooperative Spectrum Sensing for Cognitive Radio Network." International Journal of Engineering and Future Technology, June 2016, Vol No.6, pp 41-49.

17. K.S.Vishvaksenan (Faculty-ECE), K.Mithra (Research Scholar), R.Kalidoss (Faculty-ECE), R.Karthipan (Research Scholar), "Experimental Study on Elliott Wave Theory for Handoff Prediction", Fluctuation and Noise letters, Vol. 15, No.4, December 2016, pp.1650025(1-11).

18. P.T.Vasanth Raj(Research Scholar),K.S.Vishvaksenan(Faculty ECE), "System analysis of DSTTD-CDMA system with polarization diversity for frequency-selective channel", Computers and Electrical Engineering, Elsevier journal, http://dx.doi.org/10.1016/j.compeleceng.2016.11.027, 2016.

19. K.S.Vishvaksenan, R.Kalaiarasan, R.Kalidoss and R.Karthipan, "Real Time Experimental Study and Analysis of Elliott Wave Theory in Signal Strength Prediction", Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer journal, doi:10.1007/s40010-016-0323-8, 2016, PP.1-13.

20. S.M.Asha banu (PG Student), S.Sakthivel Murugan (Faculty –ECE), P.Venugopal (Faculty – Mathematics), "Study of Vertical coherence in shallow water ambient noise" International Journal of advances in natural and applied sciences, October 2016, Vol.10, No.14, pp.59-64.

21. Annadurai C (Faculty ECE)., Raja A. Mani Muthu (PG Student), "Energy Efficient Cooperative Positioning Algorithm for Global Navigation Satellite System", Asian Journal Of Research In Social Sciences and Humanities Volume: 6 Issue: 7, Jul 2016, pp.266-275.

22. Mani Muthu Raja(PG Student), C.Annadurai(Faculty ECE), "Investigation On Power Optimization In Cooperative Wireless Network Localization", International Journal of Advanced Engineering Technology, Vol. VII, Issue II, April-June,2016, pp. 285-289.

23. Anuradha R(Student PG), Anbuselvi M(Faculty-ECE) and Saravanan P(Faculty-EEE), "Torque Ripple Minimisation Of BLDC Motor Using Vector Control Algorithm", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Vol. 23 Issue 2, JUNE 2016.

24. S. V. Ramyaa (Student - PG - VLSI Design), S. Karthie (Faculty ECE), "Design of Microstrip Bandpass Filter with different Substrates using Hilbert Fractal Geometry," International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 4, Special Issue 10, March 2017.

25. K.Vijayalakshmi (Student - PG - VLSI Design), S. Karthie (Faculty ECE), "Novel Microstrip bandpass Filter with different Substrates of Koch Fractal Curve with Harmonic Suppression," International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 4, Special Issue 10, March 2017.

26. Trevor S. Bird, V. Lingasamy, K. T. Selvan, H. Sun "Improved Finite Range Gain Formula for Open Ended Rectangular Waveguide and Pyramidal Horn", *IET Microwaves, Antennas & Propagation,* May 2017. (To Appear)

27. G. Anushiya Rachel (Research scholar), P. Vijayalakshmi (Faculty, ECE), T. Nagarajan (Faculty, IT), "Estimation of Glottal Closure Instants from Degraded Speech using a

Phase-Difference-Based Algorithm", **Computer Speech and Language** (CSL) **(Elsevier Publications)**, May 2017, DOI: 10.1016/j.csl.2017.05.008 **IF: 1.324 (Thomson Reuters**)

28. V. Sherlin Solomi (Research Scholar), P. Vijayalakshmi (Faculty ECE), T. Nagarajan (Faculty IT), "Exploiting Acoustic Similarities Between Tamil and Indian English in the Development of an HMM-based Bilingual Synthesizer", **IET Signal Processing,** Vol. 11, Issue 3, pp. 332-340, May 2017, **IF: 0.911 (Thomson Reuters)**

29. M. P. Actlin Jeeva, T. Nagarajan, P. Vijayalakshmi, "DCT derived spectrum-based speech enhancement algorithm using temporal-domain multiband filtering", **IET Signal Processing,** Vol. 10, Issue 8, pp. 965-980, Oct. 2016, **IF: 0.911 (Thomson Reuters)**

30. Maran Ponnambalam (Research Scholar) , N. Vinodhkumar (Research Scholar) , R. Srinivasan (Faculty IT), Premanand Venkatesh Chandramani (Faculty ECE), "Phase displacement study in MOSFET based ring VCOs due to heavy-ion irradiation using 3D-TCAD and circuit simulation", Microelectronics Reliability, Oct. 2016, Vol.65, pp.27-34, **IF 1.285 (Thomson Reuters)**

31. Maran Ponnambalam (Research Scholar), Mythily Kanaga, Premanand V. Chandramani, "Improving HRR and linearity in 3P-8P HRM using mixer with modified transconductance stage" Analog integrated circuits and signal processing, April 2017, Vol. 91, Issue 1, pp.1-7, **IF 0.430 (Thomson Reuters)**

32. S. Prasanth kumar (student/UG), K.J.Jegadish kumar (Faculty ECE) and B.Partibane (Faculty ECE), " Efficient Modular Exponentiation Architectures for RSA Algorithm", International Journal of Engineering Research in Electronic and Communication Engineering (IJERECE) Vol 3, Issue 5, May 2016.

National Journals:

1. Shiny Christobel J and Vinoth Kumar C, "Feature based Breast Cancer Deduction from Mammographic Images", Indian Journal of Scientific Research,Indian J.Sci.Res. 14 (1):   pp. 257-262, 2017 .

2. Shruthi S.V and Dr. Sundaravadivelu, "High Temperature Measurement using Fiber Bragg Grating Sensor", Indian Journal of Scientific Research,Indian J.Sci.Res. 14 (1): pp. 284-289, 2017 .

3. K. Vinnarasi and Dr. Sundaravadivelu, "Strain Measurement For Structural Health Monitoring using Fiber Bragg Grating Sensor",Indian Journal of Scientific Research,Indian J.Sci.Res. 14 (1):pp. 290-295, 2017 .

4. R. Vaishnavi and I.Nelson(Faculty-ECE), " Color Image Demosaicking using Residual Interpolation", Indian Journal of Scientific Research,Indian J.Sci.Res. 14 (1) pp. 296-300, 2017 .

International Conferences

1. Indhu R,Shreemathi K.M, Anni Steffi Mercy J , S.Radha, S.Kirubaveni, B.S Sreeja, ' Design of PDMS Membrane for CTC Separation', IEEE-International Conference on Information Communication and Embedded System(ICICES-2017), February 23-24, 2017.

2. Indhu R, Anni Steffi Mercy J, Shreemathi K.M , S.Radha, S.Kirubaveni, B.S Sreeja, ' Design of a Filter using Array of Pillars for Particle Separation', International Conference on Large Area Flexible Microelectronics- ILAFM 2016, pp.23, December 20-22, 2016

3. K.Indumathi (PG student-CS), R.Hemalatha (Faculty-ECE), S.Aasha Nandhini (PDF-ECE), Radha S(Faculty-ECE), "Intelligent Plant Disease Detection System using Wireless Multimedia Sensor Networks" in the Proceedings of IEEE international conference on Wireless Communications Signal processing and Networking (Wispnet 2017), March 2017,pp : 1636-1640, Chennai, India.

4. R.Devi(PG student-VLSI), R.Hemalatha (Faculty-ECE), S.Radha (Faculty-ECE), "Efficient Decision Support System for Agricultural Application" " in the Proceedings of 3rd International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB17), Feb 2017, Chennai, pp.379-381.

5. R. Jansi, R. Amutha, R. Alice, E. Mano Chitra, G. M. Susmitha Ros, "Robust object tracking using sparse based representative dictionary learning," in International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC' 17), Adhiparasakthi Engineering College, Chennai, March 22-23, 2017.

6. S.Bharathi (PG -CS), N. Venkateswaran,(Faculty ECE) "Performance analysis of Non Orthogonal Multiple Access technique with precoding " Proceedings of IEEE Sponsored International Conference on Wireless Communications Signal Processing and Networking (WiSPNET-2017) pp-1907-1911, March 2017 .

7. Ms. R. Subhashini (PG -CS), N. Venkateswaran, (Faculty ECE)"Semi Blind Hyperspectral Unmixing using Non negative Matrix factorization " Proceedings of Computational signal processing & analysis symposium, International Conference on Next Gen Electronic Technologies: Silicon to Software-ICNETS2, March 2017 (Best Paper Awarded)

8. **V. Lingasamy,** K.T. Selvan and S. Rengarajan, "On the reflection phase characteristics of rectangular and circular patch reflectarray elements," International Symposium on Antennas and Propagation, Cochin, ISBN No:- 978-1-5090-3889-3, pp. 63-66, December 15-17, 2016.

9. Srisruthi.S, N.Swarna, G.M.Susmitha Ros, (3-UG,ECE/Final year), Edna Elizabeth (Faculty), "Sustainable Agriculture using Eco-friendly and Energy Efficient Sensor Technology", IEEE International Conference On Recent Trends In Electronics Information Communication Technology (RTEICT-2016), Sri Venkateshwara College of Engineering, Bangalore, May 20-21, 2016, pp 1442-1446.

10. Sreenithy Chandran, Sneha Chandrasekar (2-UG, ECE/Final yr) and Edna Elizabeth (Faculty) "Konnect: An Internet of Things (IoT) based Smart Helmet for Accident Detection and Notification", 13th International IEEE India conference (IEEE INDICON-2016), 16-18 Dec, J.N. Tata auditorium IISc Bengaluru, pp 1-4.

11. Edna Elizabeth.N (Faculty/ECE), Nivetha S (B.E 2012-16 batch), "Design of a Two-factor Authentication ticketing system for Transit Applications" IEEE TENCON 2016 - Technologies for Smart Nation, 22 - 25 November 2016, Marina Bay Sands, Singapore, pp 2498-2504.

12. Renita.J (ME-CS), Edna Elizabeth.N (Faculty), "Network's Server Monitoring and Analysis Using Nagios" in the Proceedings of IEEE international conference on Wireless Communications Signal processing and Networking (WiSPNET 2017), 22-24th March 2017, SSNCE, Chennai, India.pp 1933-1938.

13. Angeline Jenefa.S.B(ME-CS), Edna Elizabeth.N(Faculty), "Network's Application Monitoring and Analysis Using Nagios" in the Proceedings of IEEE international conference on Wireless Communications Signal processing and Networking (WiSPNET 2017), 22-24th March 2017, SSNCE, Chennai, India.pp 1939- 1943.

14. Nandagopal Srinivasan (Student, UG), Prithviraj Prabhu (Student, UG), Sanjana Smruthi S., Vivek Sivaraman N., R. Rajavel, S. Joseph Gladwin, G. Satheesh Kumar, "Seed Planting using an Autonomous Mobile Robot", Procc. of 'International Conference on Advancements in Automation, Robotics and Sensing (ICAARS 2016)', PSG College of Technology, Coimbatore during 23,24 June 2016.

15. Nancy Priyanka.V (PG Student), Kaythry.P (Faculty ECE), Kishore.R (Faculty ECE), "Performance Analysis of Recursive Luby Transform Codes for Error Correction in Underwater Sensor Network, International Conference on "Wireless Communications, Signal Processing and Networking" (WiSPNET 2017), March 22 – 24, 2017, SSN College of Engineering, Chennai, India.

16. Praveena.V (PG Student), Kaythry.P (Faculty ECE), Kishore.R (Faculty ECE),"Fountain Code based Error Control Technique in Wireless Body Area Network", International Conference on

"Wireless Communications, Signal Processing and Networking" (WiSPNET 2017), March 22 – 24, 2017, SSN College of Engineering, Chennai, India.

17. Mutheeswari Subhagya A.A(PG Student), Kaythry.P (Faculty ECE), Kishore.R (Faculty ECE),"LT code based forward error correction for wireless multimedia sensor networks", International Conference on "Wireless Communications, Signal Processing and Networking" (WiSPNET 2017), March 22 – 24, 2017, SSN College of Engineering, Chennai, India.

18. S.Sreevallimeena,J.Saranya (Research Scholar),Y.S.Vedhajanani, B.Vignesha Priya and G.Padmalaya (Research Scholar), "Study of Electrical properties of Cadmium Oxide Nanoparticles Embedded with Annona Reticulata Plant extract for Cancer Applications", International conference on Engineering Technology and Science - ICETS'17, Muthayammal Engineering Institution, Rasipuram, 30-31 March,2017.

19. N.Sai Saranya, J.Saranya (Research Scholar), S.Sridharani,S.Sree shyni,S.Anitha, "Impedance characteristics of Graphene Oxide for cancer cell detection", International conference on Engineering Technology and Science - ICETS'17, Muthayammal Engineering Institution, Rasipuram, 30-31 March,2017..

20. R.Priyadharshini, J.Saranya,V (Research Scholar).Jayashree,R.Janani,S.Abirami Rajalakshmi , "Design of Micro device for detection of Leuikemia", International conference on Engineering Technology and Science - ICETS'17, Muthayammal Engineering Institution, Rasipuram, 30-31 March,2017.

21. Chithradevi.R (Research Scholar) and Sreeja B.S (Faculty ECE), "A Novel Dual Band Square patch Antenna with Better Isolation and Low Correlation", IEEE International Conference on Inventive Systems and Control (ICISC 2017), JCT College of Engineering and Technology, Coimbatore, 19-20 January 2017.

22. Chithradevi.R(Research Scholar) and Sreeja B.S (Faculty ECE), "Design of a Symmetrical Stepped Slots Loaded Quad Band Antenna", IEEE International Conference on Inventive Systems and Control (ICISC 2017), JCT College of Engineering and Technology, Coimbatore, 19-20 January 2017.

23. Manikandan E (Research Scholar), Sreeja B S (Faculty ECE) and Radha S(Faculty ECE), "Laser Surface Textured Metal Structure for Infrared Energy Harvester", DAE-BRNS National Laser Symposium-25,KIIT University, Bhubaneswar,December 20-23, 2016. pp.26

24. Manikandan E (Research Scholar)and Sreeja B S(Faculty ECE),"Graphene based Terahertz Antenna on high-K substrate",International Conference on Emerging trends in Engineering and Technology,Arunachala College of Engineering for Women,December 9-10, 2016. pp.21

25. Manikandan E(Research Scholar) and Sreeja B S (Faculty ECE),Padmalaya G(Research Scholar) Radha S(Faculty) "Design and Experimental Analysis of Infrared Absorber using Laser Micromachining", International Conference on Nanoscience and Nanotechnology (ICNAN'16)' at VIT University, 19-21 October,2016. pp.132-133

26. Divya.I (Research Scholar ECE), Muthumeenakshi.K (Faculty ECE) Dr.S.Radha (Faculty ECE), "Ambient RF Energy Harvesting for Cognitive Radio Applications", 2017 International Conference on Advanced Computing and Communication Systems (ICACCS -2017), Jan. 06 – 07, 2017, Coimbatore, India.

27. Sreeram.K (UG Student), Suresh Kumar.R (UG Student), Vinu Bhagavath.S (UG Student), Muthumeenakshi.K (Faculty ECE) and Radha.S (Faculty ECE), "Smart Farming – A Prototype for Field Monitoring and Automation in Agriculture, International Conference on "Wireless Communications, Signal Processing and Networking" (WiSPNET 2017), March 22 – 24, 2017, SSN College of Engineering, Chennai, India.

28. Swathi S (Research Scholar), S.Sakthivel Murugan (Faculty - ECE), "Magnetic Induction based wireless underground sensor network system for agriculture automation", under the theme of Innovative Agriculture Practices in Young Scientist Conclave of 2nd India International Science Festival, December 7 - 11, 2016, National Physical laboratory, New Delhi. (Best Poster award)

29. Pradeesha S K (PG Students), S.Sakthivel Murugan (Faculty - ECE), "Sensor based detection and modelling of submerged objects for conservation of ancient heritage", under the theme of Digital India in Young Scientist Conclave of 2nd India International Science Festival, December 7 - 11, 2016, National Physical laboratory, New Delhi.

30. Annalakshmi G (Research Scholar), S.Sakthivel Murugan (Faculty - ECE), "Development of high frequency underwater acoustic modem", under the theme of Make in India in Young Scientist Conclave of 2nd India International Science Festival, December 7 - 11, 2016, National Physical laboratory, New Delhi.

31. Harshitha D (PG Student), S.Sakthivel Murugan (Faculty - ECE), "Development of Geo acoustic Inversion model predicting sediment transport causing submergence", under the theme of Swach Bharat in Young Scientist Conclave of 2nd India International Science Festival, December 7 - 11, 2016, National Physical laboratory, New Delhi.

32. Sadagopan PSSKP, Dr. V. Vaithianathan and Dr.Srinivasan R, "Performance Enhancement of Reconfigurable FET using Gate Workfunction, Inter-Gate Length and Inter-Gate Dielectric Permittivity", 4th International Conference on Signal Processing, Communications and Networking (ICSCN 2017), organized by Department of Electronics Engineering, Madras Institute of Technology Campus, Anna University, Chromepet, Chennai-600044 during March 16-18,2017. Received Best Paper Award pp 13

33. V.M. Shobana, Dr. R. Srinivasan, Dr. V. Vaithianathan and Dr. K.K. Nagarajan, "Performance Optimization of RingFET using LDD Implantation ", Symposium C – Nanoelectronic Materials and Devices of International Conference on NextGen Electronic Technologies: Silicon to Software (ICNETS2) VIT University, Chennai, during March 23-25, 2017. pp 83.

34. Dr. V. Vaithianathan, V.H. Eshwar, S. Kamalakannan and James De Raja, "All-Digital Phase Locked Loop (ADPLL) with an Up-Down Counter Using Simulink", The international Conference on Wireless Communications, Signal Processing and Networking (WiSPNET 17), Department of Electronics and Communication Engineering, SSN College of Engineering, Chennai, India, during March 23-25, 2017.

35. Rajeshwari S and Vaithianathan V, "Design of Active Inductor Based Tunable Voltage Controlled Oscillator", 6th IEEE International Conference on Communication and Signal Processing (ICSSP 17), Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College, Melmaruvathur.

36. Anuradha R(Student PG) , Anbuselvi M(Faculty-ECE) and Saravanan P(Faculty-EEE), "Torque Ripple Minimisation Of BLDC Motor Using Vector Control Algorithm", International Conference, 2016.

37. Apeksha Avinash, Magesh K, Vinoth Kumar, "SIFT Feature based Detection of Glaucoma", International Conference on Recent Innovations in Electrical, Electronics, Computer and Mechanical Engineering (ICRIEECME-2016), Oct 29, 2016, pp. 11-14.

38. Balasubramanian T, Krishnan S, Mohanakrishnan M, Ramnarayan Rao K, Vinoth Kumar C and Nirmala K, "HOG Feature based SVM Classification of Glaucomatous Fundus Image with Extraction of Blood Vessels", 13th International IEEE India Conference Indicon 2016, IISc Bengaluru, Dec 16-18, 2016, pp. 1072-1075.

39. Vinoth Kumar C, Natarajan V, Balasubramanian T, and Ramnarayan Rao K, "Slantlet Transform – Singular Value Decomposition Based Reversible Watermarking For Medical Images", International Conference on Engineering and Technology (IECT-2016), Karpagam College of Engineering, Coimbatore, Dec 16-17, 2016, pp. 64 – 69.

40. Nirmala K, Venkateswaran N, Vinoth Kumar C and Shiny Christobel J, "Glaucoma Detection using Wavelet based Contourlet Transform", International Conference on Engineering and Technology (IECT-2016), Karpagam College of Engineering, Coimbatore, Dec 16-17, 2016, pp. 77-81.

41. Shiny Christobel J and Vinoth Kumar C, "Feature based Breast Cancer Detection from Mammographic Images", International Conference on Emerging Trends in Engineering, Science & Sustainable Technologies, Periyar Maniammai University, Feb 20-21, 2017.

42. G. Durga (Faculty ECE), V.Balamurugan (PG/ECE), Dr. R. Srinivasan (Faculty IT), " Single Event Transient Analysis on Junctionless Silicon Nanotube Field Effect Transistor", IEEE International Conference on Information Communication & Embedded Systems (ICICES 2017), Feb. 23 – 24, 2017, Chennai, India.

43. M. Meryl Rino (PG/ECE), G. Durga (Faculty ECE), "Performance Analysis Of Single Event Double Upset Immune D-Latch", ICMR sponsored International Conference on Advanced Information and Communication Technology (ICAIC'17), ISSN NO. 2347-2820, pp: 234 – 239, Feb. 24 – 25, 2017, Coimbatore, India.

44. V.M. Daphne (PG/ECE), G. Durga (Faculty ECE), "Study of Radiation in Static Random Access Memory Cell", ICMR sponsored International Conference on Advanced Information and Communication Technology (ICAIC'17), ISSN NO. 2347-2820, pp: 240 – 245, Feb. 24 – 25, 2017, Coimbatore, India.

45. R. D. Priyadharsini, S. Karthie (Faculty ECE), " Design of Sierpinski fractal microstrip bandpass filter on different substrates", International Conference on Science and Innovative Engineering (ICSIE – 2017), April 2, 2017, Jawahar Engineering College, Chennai.

46. R.Gowri Manohari,Dr.K.K.Nagarajan, Dr. R. Srinivasan,"Single Event Transient analysis of Conventional planar TFET,planar TFET with pocket and L shaped TFET", Symposium C – Nanoelectronic Materials and Devices of International Conference on Next Gen Electronic Technologies :Silicon to Software(ICNETS2) VIT University,Chennai during March 23-25, 2017. pp.80

47. Indhu R, Anni Steffi Mercy J, Shreemathi K.M , S.Radha, S.Kirubaveni, B.S Sreeja,"Separation of Bio-particles in Micro Fluidic Device" International Conference on NextGen Electronic Technologies: Silicon to Software, pp: 84, March 23rd-25th, 2017

48. Indhu R,Shreemathi K.M, Anni Steffi Mercy J , S.Radha, S.Kirubaveni, B.S Sreeja, "Design of a Bio-Filter for Particle Separation",DEVIC 2017, March 23rd - 24th, 2017

49. J. Florence Gnana Poovathy (Research Scholar) and S. Radha,(Faculty, ECE) "Reconstruction of surveillance videos by non-iterative pseudo inverse based recovery algorithm (NIPIRA): A subjective experience," *2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, Jaipur, 2016, pp. 687-692. doi: 10.1109/ICACCI.2016.7732126.

50. K.Mithra (Research Scholar) and K.S.Vishvaksenan (Faculty, ECE), "Security and Resolution enhanced Transmission of Medical Image through IDMA aided Coded STTD System", in 6th IEEE International Conference on Communication and Signal Processing (ICCSP 2017), Melmaruvathur, April 8,2017.

51. K.Suchitra,Dr.K.K.Nagarajan,Dr.R.Srinivasan,"Optimal gate length estimation of iFinFET",Symposium C-Nanoelectronic Materials and Devices of International Conference on Next Gen Electronic Technologies : Silicon to Software(ICNETS2) VIT University ,Chennai during March 23-25,2017.pp.81

52. Shruthi S.V and Dr. Sundaravadivelu, "High Temperature Measurement using Fiber Bragg Grating Sensor", International Conference on Emerging Trends in Engineering, Science & Sustainable Technologies, Periyar Maniammai University, Thanjavur, Feb 20-21, 2017.

53. K. Vinnarasi and Dr. Sundaravadivelu, "Strain Measurement For Structural Health Monitoring using Fiber Bragg Grating Sensor", International Conference on Emerging Trends in Engineering, Science & Sustainable Technologies, Periyar Maniammai University, Thanjavur Feb 20-21, 2017.

54. Donia Maria Denny, K.Indumathi, Dr.S.Radha, T.S.Shri Krishnan, Jemimah Ebenezer, R.Jehadeesan, "Signal Digitization Using Voltage To Frequency Conversion For Wireless Sensor Node",International Conference on Recent Trends in Computing Technology(ICRTCT)2017.

55. Sheeba Angel A, R.Jayaparvathy,"Design and implementation of an intelligent emergency evacuation system",6th International Conference on Computation of Power, Energy, Information and Communication, Adhiparasakthi Engineering College,22nd - 23rd ,March 2017.

56. Shiny Christobel J and Vinoth Kumar C, "Feature based Breast Cancer Deduction using Discrete Wavelet Transform (DWT) from Mammographic Images", 2nd International Conference on Innovative and Emerging Trends in Engineering and Technology, Panimalar Institute of Technology (ICIETET), Chennai, May 2017.

57. Naga keerthana K and Thiruvenkatesan C (Faculty ECE),"Design and Implementation of 8-Bit Shift Register using Low power Flip-Flop",2nd International Conference on Innovative and Emerging Trends in Engineering & Technology,Panimalar Institute of Technology (ICIETET),Chennai May 2017.

58. Kurunjimalar G and Joseph Gladwin S, "Design and FPGA Implementation of Efficient Hard Output 2x2 MIMO Detector", 6th IEEE International Conference on Communication and Signal Processing (ICSSP 17), Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College, Melmaruvathur. Pp.

59. S.Umadevi (PG -CS), R.Kalidoss (Faculty ECE), C.Revathy, "Design of Microstrip Patch Antenna Array for Co-site Interference," Proceedings of IEEE Sponsored International Conference on Wireless Communications Signal Processing and Networking (WiSPNET-2017), pp-239-242, March 2017.

60. G. Azhaguvarthani (PG/ECE), B. Ramani (Faculty ECE), "HANDWRITTEN TEXT RECOGNITION SYSTEM FOR ENGLISH", 2nd International Conference on Recent Trends in Engineering and Technology (ICRTET-2017), May 5-6, 2017, St. Joseph's institute of technology.

61. T.A Divya Priya and W. Jino Hans, "A Self-Example Based Super-resolution Algorithm for Surveillance Images", 2nd International Conference on Innovative and Emerging Trends in Engineering and Technology, Panimalar Institute of Technology (ICIETET), Chennai, May 2017.

62. S. V. Ramyaa, S. Karthie (Faculty ECE), "Design of Microstrip Bandpass Filter with different Substrates using Hilbert Fractal Geometry," ISRO Sponsored International Conference on Recent Advances in Space Technology & Communication System (ICRASTCS – 2017), March 9, 2017, Francis Xavier Engineering College, Tirunelveli.

63. K.Vijayalakshmi, S. Karthie (Faculty ECE), "Novel Microstrip bandpass Filter with different Substrates of Koch Fractal Curve with Harmonic Suppression," ISRO Sponsored International Conference on Recent Advances in Space Technology & Communication System (ICRASTCS – 2017), March 9, 2017, Francis Xavier Engineering College, Tirunelveli

64. A.Elakkiya(PG/ECE), E.Manikandan (Research Scholar) and B.S.Sreeja (Faculty ECE),'Ambient Infrared Energy Absorbing Device Using Planar Microstructure', International conference on Devices for Integrated Circuits(DevIC2017),Kalyani Government Engineering College,Calcutta,March 23-24, 2017.

65. kanchana.D(PG/ECE), Sreeja B S (Faculty ECE), "A 1GHz Class E Power Amplifier for Wireless Applications",International conference on Engineering Technology and Science(ICETS -2017),Muthayammal Engineering College,Rasipuram,March 30-31,2017.

66. Kanchana.D(PG/ECE), Sreeja B S (Faculty ECE), "Development of Broadband Class E Power Amplifier for WBAN Applications",International conference on Engineering Technology and Science(ICETS -2017),Muthayammal Engineering College,Rasipuram,March 30-31,2017.

67. Kanchana.D(PG/ECE), Sreeja B S (Faculty ECE), "Review of High Frequency Resonant DC-DC Power Converters", International conference on Engineering Technology and Science(ICETS -2017),Muthayammal Engineering College,Rasipuram,March 30-31,2017.

68. Mailerum Perumal(PG Student),K A Karthigeyan(Research Scholar) and Premanand Chandramani(Faculty),'Implementation and veirfication of MASH 1-1-1 for fractional N frequency synthesizer in Zynq-7000 series SOC platform',International conference on Devices

for Integrated Circuits(DevIC 2017),Government Engineering College,Kalyani,Calcutta,March 23-24, 2017.

69. Kabilan.K (PG student), Saketh. M(Scientist-C,SAMEER), Nagarajan K.K.(Faculty),"Implementation of SERPENT Cryptographic algorithm for secured data transmission".International conference on Innovation in Information,embedded and communication systems (ICIIECS 2017),KARPAGAM College of Engineering,Coimbatore,during March 17&18,2017.

70. R.Kiruthika (PG-Student), S.Kirubaveni(Faculty-ECE), M.Sudha(Research Scholar), S.Radha(Faculty-ECE), "Design,Simulation and Optimization of ZnO nanorod for energy harvesting Application",2nd International Conference on Recent advancement in Chemical,Environmental and Energy Engineering(RACEEE-2017),Chennai,February 23-24,2017.

71. Joshitha C(Research scholar-ECE), B S Sreeja(Faculty-ECE), Radha S(Faculty-ECE), "A review of Micropumps for Drug Delivery System" in the Proceedings of IEEE international conference on Wireless Communications Signal processing and Networking (Wispnet 2017), March 2017, Chennai, India.

72. M.Nivethitha(PG student),Maran ponnambalam(Research scholar) and Dr.Premanand V.Chandramani 'Design and analysis of a narrowband hairpin shaped bandpass filter ',4th international conference on innovations in information,embedded and communication systems(ICIIECS'17),organized by Department of Electronics and Telecommunication Engineering,Karpagam college of engineering,Coimbatore,March 17 -18,2017.

73. Joshapath Johnson (PG Scholar), Maran Ponnambalam and Dr. V. Vaithianathan "Comparison of Tunability and Phase noise associated with injection locked three stage single and differential ended VCOs in 90nm CMOS", 4th International Conference on Signal Processing, Communications and Networking (ICSCN 2017), organized by Department of Electronics Engineering, Madras Institute of Technology Campus, Anna University, Chromepet, Chennai-600044 during March 16-18,2017.

74. M.Karthika(PG-Student), M.Anbuselvi(Faculty-ECE),"Implementation of cellular automata based RSA crypto System" , Proceedings of 7 th International conference on Advances in Science,Engineering and Technology(ICASET-2017), 24th April 2017,Rajiv Gandhi Institute of Technology,Bangalore.

75. Mubarak Basha Kamaal (PG-Scholar VLSI), Maran Ponnambalam (Research-Scholar) and Dr.Premanand V Chandramani (Faculty-ECE), "Noise Shaping in second order DSM with ring VCO for quantization", 14th International Conference on Science, Engineering and Technology (ICSET-2017) Organized by School of Advanced Sciences,VIT University,Vellore-632 014 during 2-3, May 2017, pp 129.

76. A.Ahyisha Shabana (PG Student ECE), T.Lavanya (Research Scholar, ECE), and Dr.P.Vijayalakshmi (Faculty, ECE) "SPEAKER DIARIZATION FOR CONVERSATIONAL SPEECH USING BAYESIAN INFORMATION CRITERION", 2nd International Conference on Recent Trends in Engineering and Technology (ICRTET-2017), May 5-6, 2017, St. Joseph's institute of technology.

77. K.Sameera (PG student ECE),M.Anbuselvi(Faculty ECE) and S.Hanis(Faculty ECE)"Design of Cellular Automata Based Secure Coding Technique",International Conference on innovations in Information,Embedded and Communication Systems,VOL.III PP 574-576,March 2017,Karpagam College of Engineering,Coimbatore.

78. B.Saranya (PG student ECE),M.Anbuseli(Faculty ECE)"Motion Based Multiple Object Tracking with Occlusion using Kalman Filter"International Conference on innovations in Information,Embedded and Communication Systems,VOL.IV PP 350-354,March 2017,Karpagam College Of Engineering,Coimbatore.

79. K. R. Raj Kumar (PG Scholar), K. J. Jegadish Kumar (Faculty ECE) and B. Partibane (Faculty ECE) "Reverse Cellular Automata Based AES S-box", 4th International Conference On

Innovations In Information, Embedded And Communication Systems (ICIIECS'17) organized by Department of Electronics and Communication Engineering, Karpagam college of engineering, Coimbatore during March 17 -18,2017, Volume III, pp 38-41.

80. Swathi S and Sakthivel Murugan Santhanam "Performance Analysis of Magnetic Induction Technique over Electromagnetic Wave Technique for Underground Wireless Communication", International Conference on Emerging Trends in Science & Engineering (ICETSE – 2107), May 11th & 12th, 2017, Coorg Institute of Technology, Ponnampet, Karnataka, Vol. 2, pp. 136-140. (Best Paper Presentation Award)

81. Geetha .P and Joseph gladwin (Faculty ECE), 'Analysis amd performance Enhancement of Rayleigh fading channel',International Conference on Communication and signal processing(ICCSP-2017). Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College, Melmaruvathur. Pp

82. D. S. K. Lena (PG, M.E. CS) Vijayalakshmi P. (Faculty ECE) , "Speech enhancement in vehicular environments as a front end for robust speech recognizer", IEEE International Conference on Intelligent Computing and Control Systems (ICICCS 2017), Jun. 2017.

83. Ahyishashabana A. (PG, M.E. CS), Lavanya T. (Research scholar), Vijayalakshmi P. (Faculty ECE), "Speaker diarization for conversational speech using Bayesian information criterion", 2nd International conference on recent trends in engineering and technology, May 2017.

84. Mrinalini K. (Research Scholar) , Sangavi G. (PG, M.E. AE), Vijayalakshmi P. (Faculty ECE) , "*Performance Improvement of Machine Translation System using LID and Post-editing*", IEEE TENCON 2016, Singapore, pp. 2136-2139, Nov. 2016.

85. SherlinSolomi V. (Research scholar), Anushiya Rachel G. (Research scholar), Vijayalakshmi P. (Faculty ECE) , Nagarajan T. (Faculty IT) , "*Phone Mapping-based Mixed language synthesizer for Tamil and Indian English*", Tamil Internet Conference, Sept-9-11, pp. 1 - 5, 2016.

86. R. Jansi, R. Amutha, A.Gokula krishnan, "A Novel framework for action recognition based on histogram of oriented gradients and sparsity inducing shared dictionary" IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET 2017) held at SSN College of Engineering from 22 – 24 Mar. 2017.

87. Hasthi Gowthami (UG Student), Brindha Manivannan (UG student), Heera Parvin Azam (UG Student) and Sakthivel Murugan Santhanam (**Faculty - ECE**), "Study and Analysis of Various Modulation Techniques for Underwater Communication" International Conference on Emerging Trends in Science & Engineering (ICETSE – 2107), May 11th & 12th, 2017, Coorg Institute of Technology, Ponnampet, Karnataka, Vol. 2, pp. 130-135.

88. Akhilesh Venkatasubramanian (student/UG) , Krithika.V (student/UG) and Partibane.B (Faculty ECE), "Smart Helmet to Ensure Rider Safety", IEEE International conference on Communication and signal Processing , April 6-8, 2017, Melmaruvathur.

89. Krithika.V (student/UG), Akhilesh Venkatasubramanian (student/UG) and Partibane.B (Faculty ECE), "Channel Estimation For A Multiuser Mimo-Ofdm-Idma System", IEEE International conference on Communication and signal Processing , April 6-8, 2017 Melmaruvathur.

National Conferences:

1. J. Rajmohan (PG Student-VLSI) , R.Hemalatha (Faculty-ECE), S.Radha (Faculty-ECE), "Design and Implementation of Solar Energy Harvester for WSN used for Remote Surveillance Applications", National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communication, RCVEWC 2016, SSN College of Engineering,June 20-21 2016, pp-211-215.

2. PonumaR, Amutha R, Vijayalakshmi L, "Logistic Based Image Compression - Encryption", National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communication (RCVEWC 2016), SSNCE, June 2016, pp. 141- 146.

3. Joyal Francis, Karthika and R. Jayaparvathy,"FPGA Implementation of Path Planning Algorithm for Networked Robots", National Conference on Research challenges in VLSI Design and Embedded Systems for Wireless Communication, SSN College of Engineering, Chennai, 21-22 June 2016, pp 205-210

4. R.Jeshwadeep and N.Edna Elizabeth, "Side Channel Analysis of ASCON-128," National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communication (RCVEWC 2016), June 20 & 21, 2016, SSN College of Engineering, Chennai, pp 91-94.

5. S. Shoba (Research Scholar) and R. Rajavel (Faculty ECE), "Monaural speech separation based on CASA and Image Processing Technique", National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communications (RCVEWC 16), SSN College of Engineering, Chennai, June 20 & 21, 2016.

6. N. Anuradha (Student, PG) and R. Rajavel (Faculty ECE), "Monaural Speech Separation Based on Computational Auditory Scene Analysis", National Conference on Recent Innovation in Signal Processing and Communication (NCRISC'16), Velammal Institute of Technology, Chennai, 13, April 2016.

7. R. Narayane (Student, PG) and R. Rajavel (Faculty ECE), "Model Based Computational Auditory Scene Analysis for Improving Speech Intelligibility", National Conference on Recent Innovation in Signal Processing and Communication (NCRISC'16), Velammal Institute of Technology, Chennai, 13, April 2016. (Best Paper Award)

8. Vignesh N(Student PG), Kishore R(Faculty/ECE), "Side Channel Analysis of NORX32-4-1", In the Proceedings of National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communications, RCVEWC 2016, pp 194-198, 20-21 June 2016, SSN CE, India.

9. Athia Farheen M and V. Vaithianathan, A Low Power UWB LNA with Body-Bias Technique For 3.1-4.85 GHz UWB receivers, National Conference - RCVEWC 16, June 20 – 21, 2016.

10. Athia Farheen M and V. Vaithianathan, Analysis of Current Reuse Techniques for Lower Band UWB LNA, National Conference - RCVEWC 16, June 20 – 21, 2016.

11. E. Elakkiya and V. Vaithianathan, A 3-5 GHz Wide-Band CMOS LC-VCO with 4-Bit Capacitor Array, National Conference - RCVEWC 16, June 20 – 21, 2016.

12. P. Arulvizhi and V. Vaithianathan ,Design of Down Conversion Mixer for Lower Band UWB Systems, National Conference - RCVEWC 16, June 20 – 21, 2016.

13. V. Vimal (PG Student-VLSI) , R.Hemalatha (Faculty-ECE), K. K. Nagarajan (Faculty-ECE), "Analysis of Low Power Double Gate FinFET based 10T SRAM cell", National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communication, RCVEWC 2016, SSN College of Engineering, pp-43-51, June 20-21, 2016.

14. M. Anbuselvi(Faculty-ECE), P. Saravanan(Faculty-EEE), S.Sanjana(Student UG) And R.Sangeetha(Student UG), "Improvements In The Architectural Design Of Stochastic LDPC Decoder", National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communication, RCVEWC 2016, SSN College of Engineering, June 20-21 2016.

15. Saravanan P(Faculty-EEE), Anuradha R(Student PG), Anbuselvi M(Faculty-ECE), Pranika.R(Student UG), Raveena.P(Student UG), " Design And Development FPGA Based Of

Speed Controller For High Performance BLDC Machine", National Conference on Research Challenges in VLSI Design and Embedded Systems for Wireless Communication, RCVEWC 2016, SSN College of Engineering, June 20-21 2016.

16. Sindhuja   K (Student PG),   Thiruvenkatesan   C(Faculty-ECE),"Design of Low Power Approximate Radix-8 Booth Multiplier ", National Confereence on Recent Trends in Information,Communication and Computing Technologies RTICCT17 ,K.S.R college of engineering, 22 april 2017.

17. Sugnaya J (Student PG), Dr Jegadish Kumar K J (Faculty-ECE),"Cellular Automata Based SHA 512 Hashing Algorithm ", National Confereence on Recent Trends in Information,Communication and Computing Technologies RTICCT17, K.S.R college of engineering, 22 april 2017.