



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2016-2017

1. **Arun C, Muthumanickam S, Lokesh D, Singaravelan N and Dinesh Raja B.**, “VLSI Architecture of DWT and LUD-SVD based Robust Invisible watermarking Scheme”, National conference on Computational Intelligence and High performance Computing at SRM University on 17.09.2016 and 18.09.2016.
2. **Arun C and Muthumanickam S.**, “An Efficient Blind Detection Watermarking Algorithm using Range Conversion Method”, Second International Conference on Nano Electronics, Circuits and Communication Systems by IETE & ISVE, at Advanced Regional Telecom Training Centre, Hazaribag Road, Ranchi, Jharkhand, on 25.12.2016 and 26.12.2016.
3. **Praveena N G.**, Kowsika S P., Karthika S and Keerthana M., “Routing protocols in WSN-a survey”, National Conference on Nasent Technologies in Biomedical ,Electrical, Electronics and Communication, at Vel Tech Multitech Engineering College, on 21.01.2017.
4. **Ciyamala Kushbu S and Arthi Devarani P.**, “Reverse process of Image and Data stenography using adaptive pixel pair matching algorithm and DWT”, National Conference on Nasent Technologies in Biomedical, Electrical, Electronics and Communication, at Vel Tech Multitech Engineering College, on 21.01.2017.
5. Reshma G.S and **Gangatharan N.**, “Intelligent Transport System”, National conference on Smart Traffic and parking Infrastructure Solutions, at ARM College of Engineering and Technology, on 20.02.2017.
6. **Sandhiya G., Kannagi V., Dhivya K., Parvathy G and Arthi Devarani P.**, “Flexible motion Estimation Processor with Low Latency for real time video Compression techniques”, 2nd International Conference on latest trends in Engineering, Science, Humanities and Management on 26.02.2017.
7. **Kannagi V.**, “Microstrip Fed patch antenna with enhanced bandwidth and harmonic suppression”, Sixth National conference on Recent Advancements in Signal processing and Communications at RMKCET, Chennai on 27.02.2017.

8. Ramya G, Kavitha K, **Gangatharan N.**, “Enhancing network security by implementing preventive mechanism using GNS3”, Sixth National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC 2017) at R.M.K. College of Engineering and Technology, on 27.02.2017.
9. **Shanthi K G., Sessa Vidhya S** and Balasubramaniam A., “Design of X-band frequency Notch on Filtenna”, 6th National conference on Recent Advancements in Signal Processing and Communications, at RMK College of Engineering and Technology, Chennai on 27.02.2017.
10. Indu P., Jyothsna S D., Hemalatha J K , Kalaiarasi D and **Vijayanandh R.**, “Redistribution of Dynamic Routing Protocol”, Sixth National Conference On Recent Advancements in Signal Processing and Communication (NCRASPC – 2017), at R.M.K. College of Engineering and Technology, on 27.02. 2017.
11. Chennupati Sridevi, Anitha G., Aparajitha T R, Gayathri M and **Ramachandran R.**, “Active RFID based intelligent transport system”, Sixth National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC – 2017), at R.M.K. College of Engineering and Technology, on 27.02. 2017.
12. Mohana Priya S., Meenakshi R., Nadeen Naushad and **Jai Ganesh S.**, “Automatic transmission for military tracked vehicles”, Sixth National Conference on Recent Advancements in Signal Processing and Communication (NCRASPC 2017), at R.M.K. College of Engineering and Technology, on 27.02. 2017.
13. **Inbamalar T M.**, Shabeer Ahmed Baig, Sidharth T., Satish Kumar P and Chandrakanth T., “DNA Sequencing to analyze NIR Spectroscopy”, International Intellectual convergence on Advances in science and Engineering, at Aalim Muhammed Salegh College of Engineering, on 03.03.2017 and 04.03.2017.
14. **Shanthi K G., Sessa Vidhya S** and Balasubramaniam A., “Design of X-band frequency Notch on Filtenna”, National Conference on Recent Trends in the Development of Smart Cities”, at Rajalakshmi Institute of Technology, on 03.03.2017 and 04.03.2017.
15. **Sessa Vidhya S.**, Abhishek Raj A., Aalvin V., Dinesh R and Dharmesh D “Optimization of Vivaldi Antenna for detection of skin cancer”, National Conference on Recent Trends in the Development of Smart Cities”, at Rajalakshmi Institute of Technology, on 03.03.2017 and 04.03.2017.

16. Sridharan P., Venkatachalam M S., Vignesh H and **Sesha Vidhya S.**, “Performance enhancement of Microstrip Patch Antenna based on EBG Structure”, International Intellectual Convergence on Advances in Science and Engineering, at Aalim Muhammed Salegh College of Engineering, on 03.03.2017 and 04.03.2017.
17. **Manikandan A.**, Praveen Kumar N., Lokesh S. , Manishankar R and Sake Viswash., “Image enhancement using DWT”, National Conference on Recent Trends In The Development of Smart Cities (NCRTDSC17), at Rajalakshmi Institute of Technology, Chennai, on 03.03.2017 and 04.03.2017.
18. **Arthi Devarani P.**, Ranjith K., Ranjit Kumar S., Ranjith S and Pradeep Kumar V Muchakhandi., “Detection of Illicit Nubes Using Ir Images”, National Conference on Recent Trends In The Development of Smart Cities (NCRTDSC17), at Rajalakshmi Institute of Technology, Chennai, on 03.03.2017 and 04.03.2017 (IJARMATE).
19. Ajaykumar S., Alex Blesson Raj R P., Anandavignesh V S., Balaji S and **Manikandan A.**, “Extraction of Blood vessels in Retinal Images using Curvelet Transform”, National Conference on Recent Trends in the Development of Smart Cities (NCRTDSC'17), at Rajalakshmi Institute of Technology, Kuthambakam ,Chennai, on 04.03.2017.
20. Kalai Selvam S., Jaya Prakash M K and **Nimitha N.**, “Resolving Chromosomal Occlusions Using Color Image Processing Algorithm” , National Conference on Recent Trends in the Development of Smart Cities (NCRTDSC'17), at Rajalakshmi Institute of Technology, Kuthambakam ,Chennai, on 04.03. 2017.
21. Chennareddy Sivapratap Reddy, Kamalesh P and **Kumar T.**, “An IOT enabled connected navigation system for urban bus riders”, National Conference on Recent Trends in the Development of Smart Cities (NCRTDSC'17), at Rajalakshmi Institute of Technology, Kuthambakam ,Chennai, on 04.03.2017.
22. Akash B., Avinash V., Harikrishna S., Harish J G., and **Praveena N G.**, “A Novel Scheme for Computer Aided Operations of Substation”, ICFTEE 2017, at Thiruvalluvar College of Engineering and Technology, Vandavasi, on 04.03.2017 and 05.03.2017.
23. **Gangatharan N** and Eunice Daphine., “Detection of illegally parked vehicles on Highways using IoT”, International Conference on computational Science and technology, at Sai Ram Engineering College, on 09.03.2017 and 10.03. 2017.

24. Monica B., Nandhini M., Nandhini R., Keerthana M., **Muthumanickam S.**, “Microstrip wideband MIMO antenna with high isolation for wimax application”, National Conference on Data Science and Intelligent Information Technology (NCDSIIT'17), at Rajalakshmi Institute of Technology, Chennai, on 10.03. 2017.
25. Ponprakash M., Pamujula Vivek., Narala Raj Kiran Reddy., Mithun Jain T and **Arthi Devarani P.**, “Data interpretation and analysis of agriculture using IOT”, National Conference on Data Science and Intelligent Information Technology(NCDSIIT'17), at Rajalakshmi Institute of Technology, Chennai, on 10.03.2017.(IJARMATE).
26. Nishia Jenisha S., Nivedha M, Priyanka J., Pulivathi Mahitha and **Sangeethalakshmi K.**,”Fixed point algorithm for fully parallel turbo decoder”, National Conference on Data Science and Intelligent Information Technology(NCDSIIT'17), at Rajalakshmi Institute of Technology, Chennai, on 10.03. 2017.
27. Karthick S., Lokesh Babu M., Rajesh P., Madhan Kumar K and **Ciyamala Kushbu S.**, “Docker based IRIS recognition using intelligent model”, National Conference on Data Science and Intelligent Information Technology (NCDSIIT'17), at Rajalakshmi Institute of Technology, Chennai, on 10.03.2017 (IJARMATE).
28. Nivetha V., Pavithra P., Katari Sri Soundarya and **Babu M.**, “Design of hybrid RAM to improve the speed of Cache”, National Conference on Data Science and Intelligent Information Technology(NCDSIIT'17), at Rajalakshmi Institute of Technology, Chennai, on 10.03.2017.
29. Nishanth R., Saisudheer C., Praveen E and **Sk. Hedayath Basha**, “Design and analysis of multiple valued logic using advanced max Gate”, National Conference on Data Science and Intelligent Information Technology(NCDSIIT'17), at Rajalakshmi Institute of Technology, Chennai, on 10.03. 2017.
30. Reesha R., Sangeetha K., Saranya H and **Sangeethalakshmi K.** , “Performance Analysis of Frequency Selective Surfaces For Mobile Communication”, National Conference on Data Science and Intelligent Information Technology(NCDSIIT'17) ,at Rajalakshmi Institute of Technology association with Computer Society of India (CSI), on 10.03.2017and 11.03.2017. (**Best Paper Award**)

31. Monisha P., Lipika T., Ramya B and **Sudharsanam V.**, “Smart grid prepaid metering system”, National conference on Emerging Technologies (NCET 2017), at Arunai College of Engineering, on 11.03. 2017. **(Best paper)**
32. Lokesh D., Singaravelan N., **Arun C., Muthumanickam S.**, “Implementation of singular value decomposition using high level synthesis on FPGA”, International Conference on Research Methods in Engineering and Technology (ICRMET 2017), at Hotel Chennai Gateway, Chennai, on 12.03.2017. **(Best paper)**
33. Hiren Vikhram S., Jaikumar V., Jayasuriya Narayanan R., Jeevananthan N and **Kannan K.**, “Improving quality of service in OSPF interface by dynamic adaptation based on network traffic”, National Conference on Trends in Computing Technologies NCICT'17, at Meenakshi Sundarajan Engineering College, Kodambakkam, on 17.03.2017.(Int. Journal).
34. Inba Arockiya Raj., Arjuna Menon P., Gopala Krishnan S., Anto Gladwin K and **Jai Ganesh S.**, “Enhanced Auto Information Recorder” , in National Conference on Trends in Computing Technologies NCICT'17, at Meenakshi Sundarajan Engineering College, Kodambakkam, on 17.03.2017.
35. Anu M S., Divya R., Gothai R., Monika M and **Nimitha N.**, “Removal of Interphase cells from M-Fish Chromosomes and Denoising in Segmentation using median filtering”, National Conference on Trends in Computing Technologies NCICT'17, at Meenakshi Sundarajan Engineering College, Kodambakkam, on 17.03.2017.
36. **Indumathy T.**, “Iris and Fingerprint Biometric Verification”, 4th International conference on Innovations in Information, Embedded and Communication systems, at Karpagam College of Engineering and Technology, Coimbatore, on 17.03.2017 and 18.03. 2017.
37. **Kumar T.**, “A review of stability aware clustering algorithm in vehicular Ad hoc network”, 4th International conference on Innovations in Information, Embedded and Communication systems, at Karpagam College of Engineering and Technology, Coimbatore, on 17.03.2017 and 18.03.2017.
38. Hari Govind V., Adarssh Mahesh., Nagendra Babu M., Jonnagadla Dinesh Naidu and **Ciyamala Kushbu S.**, “Detection of Moving Objects”, Second National Conference on Recent Innovations in Electronics and Computing Technologies(NCRIECT - 17), at Annai Veilankanni's College of Engineering, Chennai, on 18.03.2017.

39. Sangeetha S., Sophia S., Vicithra C, Mahita V and **Sk. Hedayath Basha.**, “Surface Roughness Measurement using Image Processing”, International Conference on Electrical Information and Communication Technologies (ICEICT 2K17), at M.A.M. College of Engineering ,on 21.03.2017.
40. Neelisetty Sai Aravind, Nathan B, **Kannagi V.**,”Multiple U Slot wide band patch antenna”, International Conference on Green Technologies for Power Generation and Communication (ICGPC), at St Peters University, on 22.03.2017.
41. Nivetha C., Premalatha M., **Poovizhi S.**, “Automatic water level monitoring and seat availability in train using wireless networks”, sixth International Conference on Computation of Power, Energy, Information and Communication, ICCPEIC-2017, at Adhiparasakthi Engineering College, on 22.03. 2017
42. Madhura M., Rahini G A., **Vijay Anandh R.**, “Analysis & classification of Remote sensed data using attribute filters over the tree of shapes”, National Conference on Networking, Imaging and Green Computing (AGNICON 2017), at Agni College of Technology, on 23.03. 2017.
43. **Babu M** and Srinidhi Sridharan., “Autonomous Pick and Place Robot using Intelligent Technology ”, Sixth National Conference on Networking, Imaging and Green Computing, at Agni College of Technology, Chennai, on 23.03.2017.
44. Abhinayaa B., Abinaya B., Gomathi M., and **Chitra A.**, “Efficient Data Hiding using matrix Pattern & LSB Algorithm”, AGNICON 2017(National Conference), at Agni College of Technology, Chennai , on 23.03.2017.
45. **Sathish Kumar G.**, Sruthy Janani., Swathi., Usha Nandhini., Vaishnavi., “Layout Determination Using Through Wall Radar Imaging Technology”, 6th - National Conference on Networking, Imaging and Green Computing ,at Agni college of Technology, on 23.03.2017.
46. Dinesh T., Chandran R., Muthu Kumar M and **Kannagi V.**, “Bandwidth Enhancement and harmonic suppression of a Proximity Coupled FED patch Antenna”, ICONSTEM 2017, at Jeppiar Engineering College, Chennai, on 23.03.2017 and 24.03.2017.
47. Pradeepa P., Poornimah K., Nirmala B., Monika Devi S B., **Sathyaraj P.**, “Jamming Adaptable Security Extension of Neighbor Discovery using MANET”, The third

International Conference on Science Technology Engineering & Management (ICON STEM'17) at Jeppiaar Engineering College, on 23.03.2017 and 24.03.2017.

48. **Ramachandran R.**, Swetha Dharini K and Uvatharani N., “Robust Vehicle detection and tracking Method”, National Conference Recent Innovations and Trends in Engineering (NCRITME 17), at Rajalakshmi Institute of Technology, on 23.03.2017 and 24.03.2017.
49. Akshay Dayanandan, Balavinayagam, Hariharan T., Salman Faris and **Muthumanickam S.**, “An LDPC Based STBC-OFDM MIMO System for Wireless Communication”, in ICONSTEM 2017, at Jeppiaar Engineering College, Chennai, on 23.03.2017 and 24.03.2017.
50. Mayaniranjana G., Kandra Srikanth, Prasanna Kumar A and **Kannan K.**, “Implementation of MPMPs in VANET using security trust multi channel error recovery video streaming and compression” ,5th International Conference on Contemporary Engineering and Technology ICCET 2017, at Madha Engineering College, Chennai, on 24.03.2017.
51. Aathira T I., Anandhi S., Cherukuri Rachana, Divya S and **Sathyaraj P.**, “Enhanced Coverage Area in Smart Environment using DCCCR Algorithm”,N3CIT at T.J.S Engineering College, Thiruvallur, on 25.03.2017.
52. Sridevi J., Seenirathi V., Uma M and **Chitra A.**, “Merging quick response code with pictures to form a QR code”, National Conference on Recent trends in Engineering and Technology, at Gojan School of Business and Technology, on 25.03.2017.
53. Swetha A., Thangam V and **Sandhiya G.**, “Binarization Using Digitization And Adaptive Weighted Trimmed Median Filter Model”, International conference on Emerging Trends in Electrical and Communication Technologies - ICETECT-17, at Saveetha School of Engineering, on 30.03.2017 and 31.03.2017.
54. Sukanya S., Usha Nandhini C., Vidhya Sri U and **Sandhiya G.**, “Image Assessment And Texture Feature Extraction Using HSV Model”, International conference on Emerging Trends in Electrical and Communication Technologies - ICETECT-17,at Saveetha School of Engineering, on 30.03.2017 and 31.03.2017.
55. Reshma G S., **Inbamalar T M** and Srinivasan T., “Brain Tumour Diagnosis Using Improved Supervised Learning Models and Review on Advanced Techniques”, International Conference on Science and Innovative Engineering 2017,at Jawahar Engineering College, Chennai, on 02.04.2017.

56. Sagunthala S., Sandhiya S., Vasudha T R., Vinodhini R, **Indumathy T.**, “Train Monitoring System Using Intelligent Video Analysis”, International Conference on Science and Innovative Engineering held, at Jawahar Engineering College ,Chennai, on 02.04.2017.
57. Priyadarshini K., Radhika R., Vyshnavi Papineni, **Praveena N G.**, “Energy efficient Antcolony Optimization Routing in WSN on Cluster”, 7th International conference on science and Innovative engineering(ICSIE 2017) ,at Jawahar Engineering college, on 02.04.2017.
58. Soniya Priya B., Sridevi S., Swathi P., Vyshali V P and **Sandhiya G.**, “Efficient Lossy and Lossless Compression For Better Diagnosis of Sensing Lung Tumor”, Fourth International Conference on Green Technologies for Power Generation, Communication and Instrumentation, at St.Peter’s University, Chennai, on 03.04.2017 and 04.04.2017.
59. Aparna C G, Harini S, Banu Priya P and **Dhivya K.**, “Efficient device-to device Communication Underlying Cellular Architecture”, ICGPC'17 at St. Peter's University, Chennai, on 03.04.2017 and 04.04.2017.
60. Rayapaneni Prasanthi., Routhu Sri Lakshmi Pravallika., Shilpa B., Vaishali T and **Dhivya K.**, “Restoring The Connectivity of Mobile Robotic Sensor Networks Using Grid Routing Algorithm”, Fourth International Conference on Green Technologies for Power Generation, Communication and Instrumentation, at St.Peter’s University, Chennai, on 03.04.2017 and 04.04.2017.
61. Santhosh P., Rohith Varma K S, Sai Vinay C K., Vignesh R and **Inbamalar T M.**, “White Blood Cell Analysis for Leukocytosis and Neutropenia Detection using Wavelet Transform and Neural Networks”, Fourth International Conference on Green Technologies for Power Generation, Communication & Instrumentation (ICGPC 17), at St.Peter’s University, Chennai, on 03.04.2017 and 04.04.2017.
62. **Indumathy T.**, “Wireless Power Transfer to bio medical Implants with Health care Monitoring System using IoT”, Fourth International conference on Green Technologies for Power Generation, Communication & Instrumentation, at St.Peter's University ,Chennai on 03.04.2017 and 04.04.2017.
63. **Poovizhi S.**, Shaistha Shabnam I., Sneha S and Sujithra Sri M., “Underwater Image Enhancement by Dehazing and pixel Binning Algorithm”, Fourth International Conference

on Green Technologies for Power Generation, Communication and Instrumentation, at St.Peter's University,Chennai, on 03.04.2017 and 04.04.2017.

64. Rohit viswanath K G.,Satish P.,Talla Venkat Deepak ,Varunkumar R and **Indumathy T.**,
“Health Monitoring System With Wireless Power Transmission For Biomedical Implants”,
Fourth International conference on Green Technologies for Power Generation,
Communication & Instrumentation, at St.Peter's University ,Chennai, on 03.04.2017 and
04.04.2017.
65. Lokeshanand V., Kavitha C., Srividhya Lakshmi R and **Ciyamala Kushbu S.**,
“Visualization of Twitter Data Based on Opinion Mining Using Lexical Resource”,
International Conference on Future Trends in Engineering and Business (Future Trends2017)
Organized by International Organization of Scientific Research and Development (IOSRD),
Chennai, on 26.05.2107 and 27.05.2017.

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