

## Department of Electronics and Communication Engineering

### Faculty Publication

**JANUARY -DECEMBER 2017**

S.No	Title of the Paper
1.	David,S., Karthika,K.,&ChandruS.M.(2017).Comparison of Intrazone Routing and Interzone Routing Protocols-A Survey. International Journal of Pure and Applied Mathematics,117(8),177-180.
2.	David,S.,&Navaneethakrishnan,R., (2017).Energy Consumption And Load Balancing Compared With VANET And MANET.International Journal of Pure and Applied Mathematics,116(12), 257-265.
3.	Bharathi,M.,Sasikala,S.,&Vanmathi,J.(2017).Performance of terahertz channel with multiple input and multyiple output techniques.Journal of Infrared and Millimeter waves,36(6), 668-672.
4.	Bharathi, M., & Janani, T. (2017). Fractal Image Compression Using Quantum Search Algorithm. Journal of Computational and Theoretical Nanoscience, 14(9), 4580-4585.
5.	Karthikeyan, R.,Srivatsun,G.,&Darwin,R.(2017). Planar Monopole MIMO Antenna for Portable Wireless Adapters. International Journal of Pure and Applied Mathematics 117(22), 95-100.
6.	Nagarathinam,S., &David,S.(2017).An Improved Comparator Structure For 8-Bit SAR ADCs : A Review. International Journal of Pure and Applied Mathematics,117(8),145-148.
7.	Allin Joe,D.,Pavithra,P.,&Karthi Kumar,R.(2017).Multiband Antenna Using Srr Structure For Lte, Radar, Ism And X-Band Applications. Journal of Advanced Research in Dynamical and Control Systems,16,1164-1173.
8.	Ramprakash,K.,Pavithra,P.,Allin Joe,D.,&Bhagavathi Priya,M.(2017).A Low Cost Quad-Band Microstripline Bandpass Filter For Cellular, C-Band Downlink And Wlan Applications. Journal of Advanced Research in Dynamical and Control Systems,16,1174-1180.
9.	Karthi Kumar,K.,&Allin Joe,D.(2017).Behavioral Level Simulation Of Vedic Multiplier For Alu.Journal of Advanced Research in Dynamical and Control Systems.16, 1231-1249.
10.	Kavitha,K., Kumaresan,A.,&Arun Kumar,A.(2017).Performance Analysis of Multilevel Spatial Modulation OFDM Technique (MLSMMIMO).International Journal of Pure and Applied Mathematics,116(11),101-109.
11.	Ramalatha Marimuthu.,Suresh,A.,Alamelu,M.,&Kanagaraj,S.(2017) Driver Fatigue Detection Using Image Processing And Accident Prevention.International Journal of Pure and Applied Mathematics,116(11), 91-99.

12.	Umamaheswari,S., Kavitha,C., Chandru, S. M., &Swaminathan, J.N. (2017).Machine learning for connecting humans for different applications A critical Review. International Jounal of Pure and Applied mathematics,117,(8),167-171.
13.	Umamaheswari., S., & Swaminathan, J. N. (2017). Percentage of time analysis for wormhole attack using different topology. International Jounal of Pure and Applied mathematics, 114(10), 35-43.
14.	Ashwini A. Metri., &Deepak N.(2017).Simulation Study of Optical and Electrical Characteristics and its Performance Behavior of a Quantum Dot Based Solar Cells. International Journal of Pure and Applied mathematics, 117(8),61-65.
15.	Sirohi,S.,Yadav,S., Ashok, B., Babu,V.R., Kavitha,C., & Gopal, K. N.(2017). Structural Analysis of Electric Vehicle Transmission-Mounts and Casing for Different Materials (No. 2017-28-1961). SAE Technical Paper.
16.	Darwin.R.,& Ishwarya.G.(2017). Dual Band MIMO Antenna Using Decoupling Slots For WLAN Applications.Journal of Advanced Research in Dynamical and Control Systems, 16,1138-1147.
17.	Paramasivam, K., Gunavathi, K.,& Arulmozhivarman, A.(2017).Functional Distance Based Test Vector Reordering for Low Power Testing of VLSI Circuits.Journal of Advanced Research in Dynamical and Control Systems, 16(5),1126-1137.
18.	Hemalatha,R.,& Mahalakshmi,R.(2017).A Meta-Heuristic Approach for Wavelength Assignment in Long-Haul Optical System. Informacije Midem-Journal Of Microelectronics Electronic Components And Materials, 47(4),233-240.
19.	Darwin, R.,David ,S.,& Karthikeyan,R.(2017).High Gain 2.4ghz Patch Antenna Array For Rural Area Application. International Journal of Pure and Applied Mathematics, 117(8) , 173-176.
20.	David.S.,& Navaneethakrishnan,R.( 2017).Energy Consumption and Load Balancing Compared WIith Vanet and Manet. International Journal of Pure and Applied Mathematics, 116(12), 257-265.
21.	Shiji Shajahan, & Vasuki, A. (2017). A Broadbanding Microstrip Patch Antenna using Electromagnetic Band gap Structures. International Jounal of Pure and Applied mathematics, 116(17), 71-79.
22.	Allin Joe,D., Pavithra,P.,&Rajeshkumar,V.(2017).A Compact Multiband Antenna for WLAN and WiMAX Applications using Minkowski Fractal and Defected Microstrip Structure. International Journal of Microwave and Optical Technology (IJMOT),12(3),198-203.
23.	Kalamani, C. , Paramasivam, K. (2017). 'A Modified Run Length Coding Technique for Test Data Compression Based on Multi-Level Selective Huffman Coding' International Journal of Electronics and Communication Engineering, 11(1), 117 - 120
24.	Paramasivam, K., & Sasikumar, M. (2017). Vibration Based Energy Harvesting Device Using NdFeB Magnet and Its New Power Converter Circuit with Feedback Controller. Journal of Computational and Theoretical Nanoscience, 14(7), 3589- 3595.
25.	AllinJoe,D., GeethPriya,J.,Pavithra,P.,&Karthi Kumar.R (2017).Design of Z Shape Microstrip Patch Antenna with I Slot for UHF and GPS Applications. International Journal of Pure and Applied Mathematics,117, ISSN:1314-3395
26.	Thilagavathi,k., &Vasuki,A.(2017). Dimension Reduction of Multispectral Images using PCA and Folded PCA.Journal of Advanced Research in Dynamical and Control Systems,9(16),1148-1163

27.	Ajay, V. P., & Nesanudha, M. (2017). Progression In The Concepts Of Cognitive Sense Wireless Networks–An Analysis Report. In IOP Conference Series: Materials Science and Engineering (Vol. 247, No. 1, p. 012004). IOP Publishing.
28.	Amsaveni, A., & Anusha, K. (2017). A circularly polarized triangular slot reconfigurable antenna for wireless applications. International Journal of Pure and Applied Mathematics, 116(11), 81-89.
29.	Amsaveni, A., & Vanathi, P. T. (2017). Reversible Data Hiding Based on Radon and Integer Lifting Wavelet Transform. . Informacije Midem-Journal Of Microelectronics Electronic Components And Materials,47(2), 91-99
30.	Shanthini, D., Shanthi, M., & Bhuvaneswari, D. M. (2017). A Comparative Study of SVM Kernel Functions Based on Polynomial Coefficients and V-Transform Coefficients'. International Journal Of Engineering And Computer Science, 6(3), 20765-20769.
31.	K. Kavitha (2016). Low complex decoding algorithm for multilevel space time trellis codes over MIMO channel. Int. J. Information and Communication Technology, Vol. 8, No. 1 pp.68-79
32.	K. Jasmine (2017). Implementation Of Reward Function In Distributed Dynamic Spectrum Allocation System. International Journal of Pure and Applied Mathematics Volume 117 No. 8
33.	K. Thilagavathi1, R.Nagendran (2017). Remote Sensing Methods for Forestry Applications – A Survey. IJSART - Volume 3 Issue 5
34.	K.Thilagavathi, M. Balakumar (2017). Review on RF Tunable Filters. International Journal of Innovations in Engineering and Technology (IJIET). Vol.8, issue.2
35.	M. Shanthi*; M. C. Bhuvaneswari (2017). Novel Analog Circuit Fault Detection using Adaptive Neuro Fuzzy Inference System. Asian Journal of Research in Social Sciences and Humanities Vol. 7, No. 3, pp. 520-530.
36.	Karthick, S., Krithika, S. and Malligaraj, S (2017). Raspberry Pi Based Smart Lock System. International Journal of Current Research Vol. 9, Issue, 05, pp.51117-51119.
37.	R. Manju Parkavi, M. Shanthi, M.C. Bhuvaneshwari (2017). Recent Trends in ELM and MLELM: A review. Advances in Science, Technology and Engineering Systems Journal Vol. 2, No. 1, 69-75
38.	A.Vasuki, K.Kavitha and G. Sowndharya (2017). Performance Analysis of Turbo Codes Using CRC and FC with OFDM. International Journal of Computer Sciences and Engineering. Volume 5,issue 12.pp23-28
39.	K. Jasmine (2017). Spectrum Sensing Techniques for Cognitive Radio Application: A Review. Research J. Engineering and Tech. 8(3). Pp277-281
40.	M.Alamelu, Ramalatha Marimuthu(2017). A survey on healthcare and social network Collaborative service utilization using internet of Things. Journal of Advanced Research in Dynamical and Control Systems Vol. 9.pp.1010-1030
41.	K. Anusha, L. Baala Gajakreedan, S. Nishanth Kumar, S. Vignesh Rajarathinam(2017). Persistence Of Vision Using Arduino. International Journal of Electronics and Communication Engineering and Technology (IJECE) Volume 8, Issue 4,pp.7-12.
42.	Krithika. S (2017). Quantum Key Distribution (QKD): A Review on Technology, Recent Developments and Future Prospects. Research J. Engineering and Tech. 8(3). PP.1-4.

43.	S.N.Shivapriya, R.Dhivyapraba, A.Kalaiselvi&M.Alagumeenaakshi (2017). Telemedicine Approach for Patient Monitoring System using IOT.Research Journal ofEngineering and Technology.8(3).
44.	Darwin.R(2017). Design and Analysis of a QOS Protocol for MANET. International Journal For Research & Development In Technology,7(4), pp 195-205
45.	Darwin, R. (2017). Eye Position Based Wheel Chair Control for Physically Challenged. <i>International Journal of Computer Sciences and Engineering</i> , 5(10), 231-234.
46.	Aparna, A. P., Chandramouli, A., Divya Raju, & Darwin, R. (2017). Massive MIMO: Implementation And Its Challenges. <i>International Journal of Pure and Applied Mathematics</i> , 117(22), 101-106.
47.	Karuna Gayatri, K., Loshni, T., Malaravan, A., & Darwin, R. (2017). A Review On Potential Solutions Of Noma. <i>International Journal of Pure and Applied Mathematics</i> , 117(22), 39-43.