

FRANCIS XAVIER ENGINEERING COLLEGE

LIST OF SCOPUS PUBLICATIONS

ACADEMIC YEAR: 2018-2019

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. L.R. Priya, K. Rubasoundar,” LTE: An Enhanced Hybrid Domain Downlink Scheduling”, Cognitive Systems Research: 1389-0417, 2018, Vol.52, pp.550-555. Elsevier Science (Annexure I).
2. Allwin Devaraj, Dr. T. Aruna, S. Esakki Rajavel, ‘Co-Operative Spectrum Sensing for LTE-A and WiFi Users in Cognitive Radio Networks’ Jour of Adv Research in Dynamical & Control Systems [JARDCS], E-ISSN: 1943-023X, Vol. 10, Special Issue 5, pp. 1626-1636, July 2018.
3. V.Divya K.Lakshmi narayanan, G.P.Ramesh “Robust and Brittle Secured Video for IoT” in International Journal of Engineering and Technology, 7 2.20, 93-96, 2018.

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1. P.Annapandi, S.P. Rajaram “Implementation Analysis on Parallel Parking Scheme for Autonomous Robots based on Nonholonomic Constraints”,Current Signal Transduction Therapy ,Vol.3, Issue 1, Apr 2018.
2. A.Gnanasaravanan ,S. Muthukaruppasamy, A.Abudhahir, J.Gnanavadivel, 'Design and implementation of PIC/FLC plus SMC for positive output elementary super lift luo converter working in discontinuous conduction mode', Journal of Electrical Engineering and Technology Vol.13, No.5, pp. 1886-1900, September 2018.
3. Natarajan S, Muthuraman Udayabanu, Ponnann S, Murugan S. “Performance of Nano-Silica Modified Self-Compacting Glass Mortar at Normal and Elevated Temperatures”,Materials (Basel), MDPI, vol.437, No.12, 2019.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. I. Jeena Jacob, K.G. Srinivasagan, P.Ebby Darney, K. Jayapriya,”Deep Learned Inter-Channel Colored Texture Pattern: A new Chromati-Texture Descriptor,” Pattern Analysis and Applications, Springer, pp.1-13,2019

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3. Betty.P,Sathya.D,Nithya Roopa.S,I. Jeena Jacob, Emy Ramola," An Efficient Algorithm for Power and Delay Minimization in on-chip Bus", International Journal of Pure and Applied Mathematics, Vol 118 No. 20, pp.4433-4438, 2018.
4. S. Balaji, Y. Harold Robinson, "Development of Multipath Resilience Routing Technique to improve the Fault tolerance in Mobile Ad-hoc Networks," 2018. [IEEE Xplore]
5. Y. Harold Robinson, S. Balaji, E. Golden Julie, "PSOBLAP: Particle Swarm Optimization-Based Bandwidth and Link Availability Prediction Algorithm for Multipath Routing in Mobile Ad Hoc Networks," Wireless Personal Communications, 2018.
6. Y. Harold Robinson, S. Balaji, E. Golden Julie, "Design of a Buffer Enabled Ad hoc On-demand Multipath Distance Vector Routing Protocol for Improving Throughput in Mobile Ad hoc Networks," Wireless Personal Communications, 2018.
7. Y. Harold Robinson, S. Balaji, E. Golden Julie," FPSOEE: Fuzzy-enabled particle swarm optimization-based energy-efficient algorithm in mobile ad-hoc networks," Journal of Intelligent & Fuzzy Systems, pp.1-13.
8. S.Gomathi, D.Manimegalai, "Hierarchically Distributed Peer-to-Peer Architecture for Load Balancing and Effective Dynamic Group Scheduling in Grid Computing," International Journal of Business Information Systems, pp.1-12.
9. Vinola C & Vimala Devi K, "Smile intensity recognition in real time videos: fuzzy system approach," Multimedia Tools and Applications, 2018.

DEPARTMENT OF INFORMATION TECHNOLOGY

1. K. Praghash and R. Ravi, An Enhanced Steiner Hierarchy (E-SH) Protocol to Mitigate the Bottleneck in Wireless Sensor Networks (WSN), Wireless Personal Communications, February 2019.
2. R. Tino Merlin and R. Ravi, Novel Trust Based Energy Aware Routing Mechanism for Mitigation of Black Hole Attacks in MANET, Wireless Personal Communications, February 2019
3. Mano Paul and R. Ravi, Cooperative Vector Based Reactive System for Protecting Email Against Spammers in Wireless Networks, Journal of Electrical Engineering , Vol.18, No. 4, pp. 54 – 61, 2018 .

4. Lourdes Mary Amulu and Dr. R. Ravi (2018), "A Novel Fuzzy Bayesian Approach For Energy Efficient Management Of Scientific Workflows In Cloud", Journal of web engineering, Vol. 17, No.6 ,pp 1993-2002
5. T. Nallusamy and Dr. R. Ravi, "Virus Propagation Model For Bluetooth Network", International Journal of Pure and Applied Mathematics, Volume 119, No. 7, pp. 955-964, 2018.
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DEPARTMENT OF MECHANICAL ENGINEERING

1. Mangalaraj, Appadurai, and Velmurugan Vellaipandian. "Performance Analysis of modified solar still with forced water circulation." Thermal Science 22.6 (2018): 2955-2964.
2. Raja, M. Ayyanar, V. Manikandan, P. Amuthakkannan, S. Rajesh, and I. Balasubramanian. "Wear resistance of basalt particulate-reinforced stir-cast Al7075 metal matrix composites." Journal of the Australian Ceramic Society 54, no. 1 (2018): 119-128.

DEPARTMENT OF CIVIL ENGINEERING

1. Shalini.J, Ravikumar.M.S, Nalanth.N, Kannan.S.U,"Effective utilization of plastic waste material in the production of environmentally friendly concrete , International journal of Civil Engineering and Technology, 2018, vol.9, issue 13, pp 1478-1486

DEPARTMENT OF SCIENCE AND HUMANITICS

1. K.Mathevan pillai, G.selvam, J.K.Abirami, A rough set approach for missing attributes, International journal of mechanical and production engineering research and development, Vol. 8, I 2,pp.437-445, 2018.
2. G.Selvam, K.Mathevan pillai, S.K.Abirami, Fuzzy in multi attributes decision making, International journal of mechanical and production engineering research and development, Vol. 8, I 2, pp.355-360, 2018.

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4. K.Mathevan pillai, M.S.Mahesh, A.Santiago Stephen, G.Selvam, Some more results on non split two out degree equitable domination number, International journal of mechanical and production engineering research and development, Vol. 8, I 2, 361-369, 2018.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. N. Muthukumaran, 'Analyzing Throughput of MANET with Reduced Packet Loss', Wireless Personal Communications, Print-ISSN: 0929-6212, E-ISSN: 1572-834X, Vol. 97, No. 1, pp. 565-578, November 2017, SPRINGER, Annexure I Journal.
2. Rajakumar G., Andrew Roobert A., 'Design of Low Power VLSI Architecture of Line Coding Schemes' in Wireless Personal Communications, ISSN: 1573-1979 (electronic version). DOI: 10.1007/s11277-018-5286-4, ISSN: 1572-834X. January 2018. IF: 0.951. Springer Journals (Anna University Listed Annexure- I Journal).
3. Mr. S. Esakki Rajavel , Dr. T. Aruna, Mr. S. Allwin Devaraj, "Spectrum-aware shared protection (SASP) algorithm for cognitive radio networks" International Journal of Engineering & Technology(IJET), Volume 7, Issue 1.9, March (2018) Page No:229-233.
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7. R. Vedha Priya Vadhana, and K. Ruba Soundar, A Novel Video Inpainting Technique Based on Digital Notch Filtering Method, Journal of Computational and Theoretical Nanoscience Vol. 14, 1239–1244, 2017.
8. K.Lakshmi Narayanan, Dr.G.P.Ramesh "VLSI Architecture for Multi-Band Wavelet Transform based Image Compression and Image Reconstruction" in Journal of Engineering and Applied Science, 2017.
9. K.Lakshmi Narayanan, Dr.G.P.Ramesh "VLSI Architecture for 2D-Discrete Wavelet

Transform (DWT) Based Lifting Method” in Indian Journal of Public Health Research and Development, 08(03), 276-281, 2017.

10. K. Lakshmi Narayanan S. Ravi and M. Anand “An Optimal Solution to Improve the Performance of Embedded System Based on Simple Applications” in International Journal of Control Theory and Application, 9(4), 2016.
11. N. Muthukumar & Dr. R. Ravi, 'VLSI Implementations of Compressive Image Acquisition Using Block Based Compression Algorithm', The International Arab Journal of Information Technology, Print-ISSN: 1683-3198, vol. 12, no. 4, pp. 333-339, July 2015, Annexure I Journal.
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13. N. Muthukumar, Dr. R. Ravi & Ruban Kingston, M, 'A Novel Scheme of CMOS VCO Design with reduce number of Transistors using 180nm CAD Tool', International Journal of Applied Engineering Research (IJAER), Print-ISSN:0973-4562, Vol. 10, No. 14, pp. 11934-11938, 2015, Annexure II Journal.
14. N. Muthukumar, R. Sudhashree, 'Analysis of Low Complexity Memory Footprint Reduction for Delay and Area Efficient Realization of 2D FIR Filter', International Journal of Applied Engineering Research (IJAER), Print-ISSN:0973-4562, Vol. 10, No. 20, pp. 16101-16105, 2015, Annexure II Journal.
15. Mydheen Jasmine, S.Allwin Devaraj, ‘A Novel Processing Chain for Shadow Detection and Pixel Restoration in High Resolution Satellite Images Using Image Imposing’ Australian Journal of Basic and Applied Sciences (AJBAS), E-ISSN: 1991-8178, Vol. 9, Special Issue 16, pp. 216-223, May 2015. Annexure-II (Anna University)
16. N. Muthukumar and Dr. R. Ravi, 'The Performance Analysis of Fast Efficient Lossless Satellite Image Compression and Decompression for Wavelet Based Algorithm', Wireless Personal Communications, Print-ISSN: 0929-6212, E-ISSN: 1572-834X, Vol. 81, No. 2, pp. 839-859, March 2015, SPRINGER, Annexure I Journal.
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18. N. Muthukumar and Dr. R. Ravi, 'Quad Tree Decomposition Based Analysis of

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21. G.Rajakumar, Kabilan R, Esther Leethiya Rani S,' A Combined Face Recognition Approach Based on LPD and LVP' ARPN Journal of Engineering and Applied Sciences, Page No. 2577-2581, Vol. 10, No. 6, April 2015, ISSN 1819-6608.
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29. L. R. Priya, K. Ruba Soundar and S. Kamala Gomathy, "Radio Resource Optimization In Cooperative Cellular Network With Network Coding At Relay Stations", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 7, APRIL 2015ISSN 1819-6608
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31. L. R. Priya, K. Ruba Soundar and S. Kamala Gomathy , R.Vedhapriya Vadhana ,"Sub Optimal Signal Cancellation Method for Joint reduction of PAPR and Side lobe suppression in NC OFDM based Cognitive Radio System",International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.2 (2015) pp. 1370-1375.
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*- First Author is in ECE department (Count:6)

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