

Sona College of Technology (Autonomous)

Salem – 636005, Tamil Nadu

Department of Electronics and Communication Engineering - PG

Academic Year 2013 - 2014

Journals Publications

- [1] S. Swapna Kumar and **K. R. Kashwan**, *Research Study of Energy Harvesting in Wireless Sensor Networks*, International Journal of Renewable Energy Research, 2013, Vol. 3, No. 3, Page(s): 745- 753, ISSN: 1309-0127, (Scopus SNIP: 0.464), DOI: [IJREER825](https://doi.org/10.7763/IJREER.2013.V3.811)
- [2] **Kishana R. Kashwan** and C. M. Velu, *Customer Segmentation Using Clustering and Data Mining Techniques*, International Journal of Computer Theory and Engineering, 2013, Vol. 5, Issue 6, Page(s): 856-861, ISSN: 1793-8201, IASCIT Press, Singapore, DOI: [10.7763/IJCTE.2013.V5.811](https://doi.org/10.7763/IJCTE.2013.V5.811)
- [3] **Kishana R. Kashwan** and S. G. Balakrishnan, *Enhanced Channel Assignment Algorithm for Relaying Nodes in W-CDMA Multihop Cellular Network*, International Journal of Computer and Communication Engineering, 2013, Vol. 2, Issue 5, Page(s): 551-556, ISSN: 2010-3743, IASCIT Press, Singapore, DOI: [10.7763/IJCCE.2013.V2.247](https://doi.org/10.7763/IJCCE.2013.V2.247)
- [4] Amsavalli A. and **Kashwan K. R.**, *Design and Characterization of Downlink Patch Antenna for DS-CDMA Based Mobile Communication Applications*, International Journal of Engineering and Technology, Engineering Journals Publications, 2013, Vol. 5 No. 6, Pages: 4536-4542, ISSN: 0975-4024, (Scopus SNIP: 0.581), DOI: [IJET-13-05-06-026](https://doi.org/10.7763/IJET.2013.V5.811)
- [5] Ravi G. and **K. R. Kashwan**, *Energy Aware Zone Routing Protocol Using Power Save Technique AFECA*, International Review on Computers and Software, Praise Worthy Prize S.r.l., 2013, Vol. 8, No. 10, Pages 2373-2378, ISSN: 1828-6003, (Scopus SNIP: 0.722), DOI: [IRECOS-latest/IRECOS_13895](https://doi.org/10.7763/IRECOS.2013.V8.10.10)
- [6] Amsavalli A. and **Kashwan K. R.**, *Smart Patch antenna Array for Uplink in 4-G Mobile Communication Based on LMS algorithm for DS-CDMA Technique*, Journal of Convergence Information Technology, AICIT, Korea (Rep. of), 2014, Vol. 9 No. 1, Pages: 16-24, ISSN: 1975-9320 (Print), 2233-9299 (Online), (Scopus SNIP: 1.071), DOI: [JCIT&q=4171](https://doi.org/10.7763/JCIT.2014.V9.1.16)
- [7] Sasirekha N. and **Kashwan K. R.**, *A Robust and Hybrid Rician Noise Estimation Scheme for Magnetic Resonance Images*, International Review on Computers and Software, Praise Worthy Prize S.r.l., 2014, Vol. 9, No. 2, Pages 2373-2378, ISSN: 1828-6003, (Scopus SNIP: 0.722), DOI: [IRECOS-latest/IRECOS_14660](https://doi.org/10.7763/IRECOS.2014.V9.2.2373)
- [8] S. G. Balakrishnan and **K. R. Kashwan**, *Secure Channel Assignment Scheme for Nodes in Multihop Cellular Networks*, JCIT: Journal of Convergence Information Technology, AICIT, Korea (Rep. of), 2014, Vol. 9 No. 2, Pages: 115-124, ISSN: 1975-9320 (Print), 2233-9299 (Online), (Scopus SNIP: 1.071) DOI: [JCIT&q=4198](https://doi.org/10.7763/JCIT.2014.V9.2.115)

- [9] **Kashwan K. R.** and Amsavalli A., *Adaptive Dual Band Slotted Patch Antenna Array Based on Filtered XLMS for DS-CDMA Wireless Communication*, International Journal of Digital Content Technology and its Applications, Vol. 8, No. 2, pp. 90 - 99, 2014, (Scopus SNIP: 0.989), DOI: [JDCTA&q=3645](#)
- [10] A. Dhanshri and **K. R. Kashwan**, *Visual Aid System Based on Image Matching and Ultrasound Sensor Principles for Blind Persons*, International Journal of Electronics Signals and Systems, May 2013, Vol.3, Issue-2, Page(s):20-27, ISSN:22315969, Webink/DOI: [ijess_Vol3Iss2.html](#)
- [11] Hareni Jagadesan and **N. Sasirekha**, *Robust Rician Noise Estimation and Filtering for Magnetic Resonance Imaging*, International Journal of Scientific & Engineering Research, Volume 5, Issue 5, May-2014, Pages 620-624, ISSN 2229-5518.
- [12] **Ravi G.** and Reemlus Jacob. D ,*Energy Aware routing for Adhoc Networks using Dynamic Path switching*, International Journal of Adhoc, Sensor & Ubiquitous Computing, Volume 5, No , June 2014, Pages 1- 11.
- [13] Mohanavel. G and **Ravi. G**, *Power Saving Mechanism for Hybrid Routing Protocol using Scheduling Technique*, International Journal of Research in Engineering and technology, Volume-, Special issue – 7, Pages 821 – 826.
- [14] **V. Meenakshi**, *VLSI Based Image Zooming Application by a Novel Adaptive Edge Enhancement Technique*, International Journal of Advanced Electrical, Electronics and Instrumentation Engineering, April 2014, Vol.3, Issue No 4, ISSN: 2320-3765 (Print), 2278-8874 (Online).
- [15] P. Gokul and **J. Harirajkumar**, *Design of a Kogge Stone Adder using CNTFETs*, International Journal of Scientific & Engineering Research, Volume 5, Issue 5, May-2014, Pages 520-525, ISSN 2229-5518.
- [16] Lalithambiigai and **M. S. Thaan Malar**, *A Low Power Semi-parallel Decoder using ASM for Polar Codes*, International Journal of Advanced Research in Computer and Communication Engineering, Volume 3, Issue 5 , May 2014, Pages 6481 – 6484.

Peer Reviewed Publications in Conferences

- [1] Dhanshri A. and **K. R. Kashwan**, *Identification of Dynamic Objects Using MATLAB and LabVIEW for Aiding Blind Persons*, Electronics and Communication Engineering (ECE), 2013, International Conference on, IRNet, ISBN: 978-93-83060-04-7, Pages: 142 – 148, Web Link: [2013_Doc/142-148.pdf](#)
- [2] C. M. Velu and **K. R. Kashwan**, *Visual Data Mining Techniques for Classification of Diabetic Patients*, 3rd IEEE Advanced Computing Conference (IACC), 2013, International Conference on, Print ISBN: 978-1-4673-4527-9, Pages 1070 – 1075, DOI: [10.1109/AICC.2013.6514375](#)
- [3] Ambika. R, Ramachandran S. and **K. R. Kashwan**, *Data security using serial commutative RSA CORE for multiple FPGA system*, IEEE International Conference on Devices, Circuits and Systems (ICDCS), 2014, 2nd International Conference on Pages 1-5, DOI: [10.1109/ICDCSyst.2014.6926198](#)
- [4] Pushpa. S. K, Ramachandran S. and **K. R. Kashwan**, *Topology Construction in 3D Wireless Sensor Networks using Skeleton Extraction*, IEEE International Conference on Electronics and Communication Systems (ICECS), 2014 International Conference on, Pages1-7, DOI: [10.1109/ECS.2014.6892560](#)
- [5] Balakrishnan. S. G. and **K. R. Kashwan**, *Channel Assignment Algorithm to Improve Relaying Nodes Fairness in WCDMA Multihop Cellular Networks*, IEEE International Conference on Electronics and Communication Systems (ICECS), 2014 International Conference on, Pages 1 – 7, DOI: [10.1109/ECS.2014.6892741](#)

- [6] Velu C. M. and **Kashwan K. R.**, *Heart Disease Diagnosis Using Multiple Kohonen Self Organizing Maps*, International Conference on Advanced Research in Engineering and Technology (ICARET), 2013, IEEE International Conference on, ISSN: 2214-0344, Vol. 2, Pages 126 – 130, DOI: [03.AETS.2013.2.25](https://doi.org/10.1109/AETS.2013.2.25)
- [7] Velu C. M. and **Kashwan K. R.**, *Multi-level Counter Propagation Network for Diabetes Classification*, Signal Processing, Image Processing and Pattern Recognition (ICSIPR), 2013, IEEE International Conference on, Print ISBN: 978-1-4673-4861-4, INSPEC: 13446303, Pages: 190-194 DOI:[10.1109/ICSIPR.2013.6497986](https://doi.org/10.1109/ICSIPR.2013.6497986)
- [8] Amsavalli A. and **K. R. Kashwan**, *BER Analysis and MAI Cancellation in CDMA Communication System*, Emerging Trends in VLSI, Embedded System, Nano-Electronics and Communication System (ICEVENT), IEEE International Conference on, 2013, ISBN No. 978-1-4673-5300-7, INSPEC: 13431581, Pages: 1-5, DOI: [10.1109/ICEVENT.2013.6496553](https://doi.org/10.1109/ICEVENT.2013.6496553)
- [9] Selvaraj G. and **K. R. Kashwan**, *Implementation Performance Analysis of a Novel optimized NOC router*, IEEE International Conference for Convergence of Technology (I2CT-2014), 6- 8 April 2014.
- [10] **Mrs. N. Sasirekha**, *Noise Estimation for Speech Enhancement in Non-stationary Environments*, National Conference on 7th March 2014 at Kumaraguru College of Technology.
- [11] **Mrs. N. Sasirekha**, *Robust Rician Noise Estimation and Filtering for Magnetic Resonance Imaging*, International Conference on 8 – 9 April 2014 at AVS Engineering College.
- [12] **Mr. J. Harirajkumar**, *Low Leakage High Speed Digital Circuits Using CCD Technique*, International Conference on Electrical , Electronics and Computer Science on 30th March 2014 at Chennai.
- [13] **Mr. J. Harirajkumar**, *Design of High Speed Modified Carry select Adder using Ladner Fischer Architecture*, 3rd International Conference on Futuristic Trends in Electronics Engineering ,March 2014 at Thiruvalluvar college of engineering and technology.
- [14] **Mr. J. Harirajkumar**, *Desing of Adaptive FIR Filter Based on APC and OMS Algorithm*, International Conference on Computing, Communication and Electrical Technologies, April 2014 at Vivekanandha Institute of Engineering and Technology for women.
- [15] **Mr. G Ravi**, *Flexible and Scalable patterns Health Monitoring System using GSM*, National Conference on 19-20 March 2014 at Adhiyamaan College of Engineering.
- [16] **Mr. G Ravi**, *Design of Microstrip Antenna Array using Butler Matrix*, National Conference on 19-20 March 2014 at Adhiyamaan College of Engineering.
- [17] **Mr. G Ravi**, *Extending Lifetime of Ad hoc Net-work Using Dynamic Path Switching Technique*, International Conference on Electrical , Electronics and Computer Science on 30th March 2014 at Chennai.
- [18] **Mr. G Ravi**, *Power Saving Mechanism for Hybrid Routing Protocol using Scheduling Technique*, International Conference on 8 – 9 April 2014 at AVS Engineering College.
- [19] **Mrs. V. Meenakshi**, *FPGA Implementation of 9-TAP 2D Daubechies Wavelet Filter using Algebraial Interger*, National Conference on 10th March 2014 at R.M.D Engineering College.
- [20] **Mrs. V. Meenakshi**, *Discrete Wavelet Transform with FIR Filter Design for ECG Application*, International Conference on 5-6 April 2014 at Organization of Science and Innovative Engineering and Technology.
- [21] **Mrs. V. Meenakshi**, *VLSI Implementation of High performance Digital Comparator for Signal Processing Application*, International Conference on 8 – 9 April 2014 at AVS Engineering College.
- [22] **Ms. M. S. Thaen Malar**, *VLSI Implementation of an Efficient Flexible divide by 2/3 Counter*, International Conference on 5-6 April 2014 at Organization of Science and Innovative Engineering and Technology.

- [23] **Ms. M. S. Thaen Malar**, *An Efficient Pipelined Feed Forward- FFT Architecture using Split Radix*, National Conference on 7th March 2014 at Kumaraguru College of Technology.
- [24] **Ms. M. S. Thaen Malar**, *An Efficient Area and Power EMDEC using ASM for Polar Codes*, National Conference on 14-15 March 2014 at PSG College of Technology.
- [25] **Ms. M. S. Thaen Malar**, *Design of FPGA Architecture for Multibit Signals with Efficient Routing Technique Using Memristor*, National Conference on 14th March 2014 at Velammal Engineering College.
- [26] **Mrs. S. Vijayashaarathi**, *Design of Non-local means Filter for the Reduction of Noise in MRI Images*, National Conference on 19-20 March 2014 at Adhiyamaan College of Engineering.
- [27] **Mrs. Vijayashaarathi**, *FPGA Implementation of 4G DL max Transceiver*, National Conference on 10th March 2014 at R.M.D Engineering College.
- [28] **Mrs. S. Vijayashaarathi**, *Design of Area and Power Optimized Memory Controller for Multiprocessor SoC Applications*, National Conference March 2014 at PSG College of Technology.