

Research publications by staff : 2014-15

a) International journal

Sl. No	Name of Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	Dr. Mrityunjaya V Latte	Detection and localization of damage using empirical mode decomposition and multilevel support vector machine	Journal Research in Nondestructive Evaluation (RNDE)		2015 Impact factor : 0.857
2	Dr. Mrityunjaya V Latte	Adaptive Thresholding Based Medical Image Compression Technique Using Haar Wavelet Based Listless SPECK Encoder and Artificial Neural Network	Journal of Medical Imaging and Health Informatics		ISSN : 2156-7018 Online ISSN : 2156-7026 Volume No. : 5 Issue : April 2015 Month & Year : January 2015 Page Nos. 223-234 (12) Impact Factor: 0.503
3	Dr. B G Shivaleelavathi	Verilog Implementation of Low Power, High Speed Arithmetic and Logical Unit using 32-Bit Barrel Shifter	IJVDCS		ISSN- 2322-0929 Vol- 3 Issue-3 June-2015 Page No- 0246-0250

4	Dr. B G Shivaleelavathi	DSP Based Converter-Inverter Control strategy for Single phase wind power generation System.	KSCST	KSCST	2014
5	Dr. ARAVINDA H S	Efficient Detection and Tracking of Moving object in a image sequence inspection	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. II, Special Issue XXVII, June 2015 in association with DSCE Bengaluru,	IJARTET	Vol : II, Special Issue XXVII June 2015, Page 89-95
6	Dr. SIDDESH.G.K.	Near Lossless Compression of Video Frames Using Soft Computing Technologies in Immersive Multimedia	IJSCE		ISSN: 2231-2307, Volume-4 Issue-6, January 2015
7	Veeramma Yatnalli	Image Transmission over Multipath Fading Channel and Image Denoising using Directional Weighted Median Filter	International Journal of Computer Applications	IJCA	ISBN: 973-93-80884-78-0) Volume 109 - Number 10 Year of Publication: 2015 Page Nos. : 18-23
8	P M Shivakumaraswamy	Enhancement of Gaussian Noise Affected Images Using Modified Threshold Function in Curve let Domain	Advances in Natural and Applied Sciences, AENSI	Publisher, Volume No. :9 Page No : 513-517	February- 2015
9	P M Shivakumaraswamy	SAR image Enhancement Using Improved Soft Threshold Function in Curve let Domain	International Journal of Applied Engineering Research,	Research India Publications, Volume No. :9, Page Nos. : 6755-6758	
10	S T Veerabhadrappe	Monitoring cardiovascular changes due to local anesthesia during and after tooth extraction using pulse wave analysis	Biomedical Signal Processing and Control	Elsevier, Science Direct	Volume No. :16 Month & Year : January 2015 Page Nos. : 17-21

11	S T Veerabhadrappa	Changes in heart rate variability and pulse wave characteristics during normal pregnancy and postpartum	Biomedical Engineering and Technology	Inderscience Enterprises Ltd.	Volume No. :17 Month & Year : March 2015 Page Nos. : 99-113
12	S T Veerabhadrappa Anuradha M G	Design and Implementation of Concurrent Error Detection and Data Recovery Architecture for Motion Estimation Testing Applications	IJESC		Issue No: 8 Volume No: 2 Paper IJESC901 ISSN: 2250 -1371
13	Poornima N	Area Efficient Hybrid parallel prefix adders	IJPMS		Vol – 10 Year : 2015 Pages : 371-380 ISSN : 2211-8128 DOI :10.1016/ J.MSPRO.2015.06.069
14	Kavitha M	An 8-bit area optimized low power continuous time band pass sigma-delta ADC in 45nm CMOS	International Journal of engineering Research	19 th & 20 th may 2015	ISSN:2319-6890 (Online) volume no. 4 Issue 3 Page no. 155-159
15	Shubha B	BIST Technique for Delay Measurement using Signature Registers	International Journal of VLSI System Design and Communication Systems	IJVSC, Hyderabad	17 th June 2015
16	Shashidhara H R	A multi level compression technique for test data compression	International Journal of Industrial electronics and electrical engineering, June 2015		Vol 3 Issue 7 June 2015 ISSN 2349-204X, PP 90-94
17	Shashidhara H R	Palm Recognition using Kernel based method and SMDWT	International Journal of Futuristic Research		July 2015 Vol 2 Issue 10 ISSN : 2347-1697 PP 3968-3984

18	Anuradha.M.G	Design of low power arithmetic and logic unit using reversible logic gates	International Journal of VLSI System Design and communication system		June 2015
19	SATHISHA SHET K	Implementation of an Image Steganography Technique using X(X-OR) –Box Mapping	International Journal of VLSI System Design and Communication Systems	IJVDCS	ISSN: 2322-0929 Vol-3 Issue -.03 17th June 2015 Pages- 0282-0287
20	SATHISHA SHET K	Image Steganography Using Histogram Re quantization	International Journal of VLSI System Design and Communication Systems	IJVDCS	ISSN: 2322-0929 Vol-3 Issue -.03 17th June 2015 Pages- 0265-0270
21	USHA S.M	High Speed and Low Power QPSK Modulator Design using Verilog and Cadence	International Journal of Advance Engineering and Research Development (IAERD)	International Journal of Advance Engineering and Research Development	ISSN(Online) : 2348-4470 ISSN (print) : 2348-6406 Volume No. :01 Issue :12 Month & Year : January 2015 Page Nos. : 220-225 Impact factor : 3.134
22	Sheela.S.N	Iterative Triclass Thresholding and Canny Edge Detection for Image Segmentation	International Journal of Informative & Futuristic Research	IEEE,	ISSN (Online): 2347-1697 Reviewed On 27-06-2015 Published On 30-06-2015 Impact Factor : 4.16
23	Suguna G.C	Patients Monitoring Portal using beagle bone black	International Journal of VLSI system design & communication systems.		ISSN: 2322-0929 VOL-03, Issue 03 PP 0277-0281, JUN 2015

24	Sunitha L Shirahatti	FPGA Implementation of reversible multiplier using K-Algorithm for Image filtering applications	International Journal of VLSI System design and communication systems		ISSN : 2322-0929 Vol : 03 Issue : 03 June 2015
25	Sangeetha K.N	Video steganography for piracy prevention in on demand internet streaming media	American International Journal of Research in Science, Technology, Engineering & Mathematics		June to Aug 2015 SSN (Print): 2328- 3491 Vol: 2 PP 120-124, Issue :1
26	Sangeetha K N	Image & Audio Embedding Technique in Image Steganography Using Neural Network	IJARCCCE,	. Volume 3 Issue	8, August 2014
27	Sangeetha K N	A Secure Data Embedding Technique In Image Steganography For Medical Images	International Journal Of Advanced Research In Computer And Communication Engineering		8, August 2014
28	GOURI S KATAGERI	“GPS and GSM Based Database Systems for User Access”	International Journal of Software and Web Sciences	IJSWS	ISSN (Online): 2279-0071, ISSN (Print): 2279 -0063

b) National journal

Sl. No	Name of Author	Title of Paper	Name of the Journal	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	Dr. SIDDESH.G.K.	A Survey on the Need for Switching from RC4 to MAJE4 Algorithm in Message Authentication Over the Internet	International conference on Computer Communication & Network-13CN-2015		8 th May 2015, Bangalore

c) International conference

Sl. No	Name of Author	Title of Paper	Name of the conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp and date.
1	Dr. B G Shivaleelavathi	DSP Based Converter Inverter Control Strategy for Single Phase Wind Power Generation System	IRAJ Research Forum, ICEECS, Chennai		14 th September 2014
2	Dr.	A Survey on the Need for Switching from RC4 to MAJE4 Algorithm in	International conference on	13CN-2015	8 th May 2015, Bangalore

	SIDDESH.G.K.	Message Authentication Over the Internet	Computer Communication & Network-		
3	P M Shivakumaraswamy	SAR image Enhancement Using Improved Soft Threshold Function in Curvelet Domain	International Conference on Engineering Technology and Science, Research India Publications		5th and 6th March 2015
4	P M Shivakumaraswamy	Enhancement of SAR Images Using Modified Threshold Technique with Edge Preservation in Curvelet Domain	International conference on computing paradigms (iccp-2015), ICCP Proceedings		24th and 25th of July 2015
5	Veeramma Yatnalli	“Effect of Image Transmission Over Multipath Fading Channel and Reconstruction Using Image Inpainting” (ERCICA-14)	Elsvier,	NMIT, Bangalore.	1 st & 2 nd of August 2014
6	Saroja S Bhusare	Fixed Width Multiplier with Simple Compensation Bias	. “Proceeding Material Science”	International Conference, Hyderabad	on 17 th & 18 th October 2014, Volume 10, 2015, Pages 395–402. doi:10.1016
7	Poornima N	Area Efficient hybrid Parallel Prefix address	International Conference, “Proceeding Material Science”	International Conference, Hyderabad	on 17 th & 18 th October 2014,
8	Kavitha M	An 8-bit area optimized low power continuous time band pass sigma-delta ADC in 45nm CMOS	2nd International Conference on Convergent innovative Technologies	ICCIT-2015	19 th & 20 th may 2015
9	Shashidhara H R	A multi level Compression technique for test Data Compression	International Research Conference on Electrical and Electronics and Data Communication (ICEEDC-15)	Institute of research & Journals	May 31st 2015

10	Shashidhara H R	A Functionally Verified IP for Finger Print Reorganization Using Fast Convolution	International Conference On Emerging Trends in Engg and Technology	IFERT	7th June 2015
11	SATHISHA SHET K	Image Steganography Using Integer Wavelet Transform Based on Color Space Approach	Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014	Springer International Publishing	ISSN : 2231-2307 Volume No. :4 Issue : 6 Month & Year : January 2015 Page Nos. : 839-848
12	USHA S.M	Theoretical Survey on Low Power and High Throughput QPSK Modulator Designs	7 th International Conference on, Electrical, Electronics, Computing and Communication Systems	Organized by IRD INDIA 9 th - 10 th January 2015, Hotel Trinity Isle, Bangalore.	22 EECCS-9JAN15 BANG-043
13	KAVITHA H S	Power Integrated Circuits	2 nd International Conference on Recent Trends in Signal Processing & VLSI (ICrTSIC-215),	organised by Dept. of Electronics & Communication Engineering, Don Bosco Institute of Technology, Bangalore.	15 th & 16 th May 2015
14	Thejaswini P	Environmental Impact on Biometric Traits and Methods to Improve Biometric Recognition System	2nd International Conference on Recent Trends in Signal Processing & VLSI (ICrTSIC-215),	organised by Dept. of Electronics & Communication Engineering, Don Bosco Institute of	15th & 16th May 2015

				Technology, Bangalore	
15	Thejaswini P	Improved Huffman LZW algorithm of Lossless Data Compression for WSN	emerging trends in engineering and technology, Bengaluru.		21 st June 2015
16	Suguna G C	Zero Forcing and MMSE for Chaos Communication System	International conference on Emerging Trends in Engg. & Tech.,	Bangalore. International conference on Emerging Trends in Engg. & Tech.	10th May 2015 ISBN:9788192958022, Pg. no.73-77
17	Savitha A C	Crosstalk Delay Avoidance in Long on-chip Buses by using Different Fibonacci CODEC Techniques	IJCA		9 th July 2015

d) National conference

Sl. No	Name of Author	Title of Paper	Name of the Conference	Publisher	Publication citation ISSN, ISBN, Vol. No., Issue, pp
1	Dr. B G Shivaleelavathi	Simulation of control strategy for converter-inverter module using MATLAB/SIMULINK	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
2	Dr. B G Shivaleelavathi	Advantages of Unipolar control strategy over Bipolar control strategy for Inverter	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
3	Dr. B G Shivaleelavathi	“Implementation of phase locked loop using 180nm CMOS Technology”	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014

4	Dr. B G Shivaleelavathi	“Design of high Speed low power 1KB SRAM in 45nm CMOS Technology”	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
5	Dr. B G Shivaleelavathi	“Lossless Compression of Hyper spectral Image Based on Prediction Methods”	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
6	Dr. B G Shivaleelavathi	“Survey on Residential Applications of PV Systems”	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
7	Dr. ARAVINDA H S	Efficient Detection & Tracking of Moving Objects in a Image Sequence Inspection	National Conference on Emerging Trends in VLSI Embedded System, Nano Electronics & Telecommunication Systems	DSCE, Bangalore during	16 th June 2015.
8	P M Shivakumaraswamy	Enhancement of Hidden Objects in an X-ray Image Using Fuzzy Theory	National Conference on VLSI Signal and Image Processing,	Organized by Department of Electronics and Communication Dept, JSSATEB	22-23 rd August 2014
9	P M Shivakumaraswamy	Enhancement of SAR Images Using Modified Threshold Technique with Edge Preservation in Curvelet Domain	International conference on computing paradigms (iccp-2015), ICCP Proceedings	Organized by Department of Electronics and Communication Dept	24th and 25th of July 2015
10	Veeramma Yatnalli	“Design & Verification of Asynchronous AHB Bus Interface in a Multi Clock Domain Graphics System”	National Conference on VLSI Signal and Image Processing, JSSATEB	Organized by Department of Electronics and Communication Dept, JSSATEB	22-23 rd August 2014
11	Veeramma Yatnalli	Design & Implementation of Reed Solomon Decoder for 802.16 Network FPGA	National Conference on VLSI Signal and Image Processing, JSSATEB	Organized by Department of Electronics and Communication Dept, JSSATEB	22-23 rd August 2014
12	Latha B N	Implementation of Face Recognition using Fusion Base Algorithm on FPGA	National Conference on VLSI Signal and Image Processing,	Organized by Department of Electronics and Communication Dept,	22-23 rd August 2014

			JSSATEB	JSSATEB	
13	Parameshappa G	Approximately Linear Phase Digital Filter Bank with FRM Tech.	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014
14	Kavitha M	Design & Verification of Difference Set Codes for Memory Application	National Conference on VLSI Signal and Image Processing,	Organized by Department of Electronics and Communication Dept, JSSATEB	22-23 rd August 2014
15	USHA S.M	FPGA Implementation for OFDM SDR using DDFS	National Conference on VLSI, Signal and Image Processing (NCVSIP-14)	Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22 th -23 th August 2014
16	Ravikumar K P	An Android based Application to Detect Drowsiness and rash driving	FCS'14	FCS'14,BANGLORE	May 15-17, 2014
17	Shashidhara H R	Hardware Implementation of IRIS Recognition Using Neville's Algorithm	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014
18	Shashidhara H R	Hardware Implementation of Palm Recognition Using SMDWT	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014
19	Shashidhara H R	Dictionary Based Test Data Compression	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014

20	Kavitha H S	Implementation of QRS Detector Based on Adaptive Threshold Tech.	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014
21	Thejaswini P	An Intelligent Vehicle System to Detect Drowsiness & Rash Driving	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014
22	Thejaswini P	An Android based Application to Detect Drowsiness and rash driving	FCS'14		May 15-17, 2014
23	Suguna G C	Verification of Viterbi Decoder	National Conference on VLSI Signal and Image Processing,	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	22-23 rd August 2014
24	Anuradha M G	Aircraft Heading & Roll Autopilot Design with Fault Analysis Using Kalman Filter	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
25	Sunitha L Shirahatti	Implementation of 32 bit Logarithmic Barrel Shifter Using Scrl Gate	National Conference on VLSI Signal and Image Processing, JSSATE, Bangalore		22-23 rd August 2014
26	Sathish Shet K	Image Steganography Using Integer Wavelet Transform	National Conference on VLSI Signal and Image Processing,		22-23 rd August 2014
27	GOURI S KATAGERI	EDA Tool for Netlist to Layout Conversion	National conference on VLSI, Signal and Image Processing	NCVSIP, Organized by Department of Electronics and Communication Dept, JSSATE, Bangalore	Aug-2014

