

## Research & Development Efforts

### B. Research Articles in souvenirs (of Conference, Seminars and Others)

#### Dr. Rajeswari

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Robust Speech Recognition using Wavelet Domain Front End and Hidden Markov Models	ICERECT-2012, Springer-LNEE, Vol. 248, PP-435-442.	Rajeswari, N.N.S.S.R.K Prasad and V. Satyanarayana	<b>International</b>	DOI: 10.1007/978-81-322-1157-0_44, Springer India 2014
2	A Comparison of Multiclass SVM and HMM Classifier for Wavelet Front End Robust Automatic Speech Recognition	IEEE explorer, (ICCCNT),2013 DOI:10.1109/ICCCNT.2013.6726821	Rajeswari, N.N.S.S.R.K Prasad and V. Satyanarayana	<b>International</b>	Print ISBN: 978-1-4799-3925-1
3	A Noise Robust Speech Recognition System using Wavelet Front End and Support Vector Machines	ERCICA-13, Elsevier Bookseries, Vol. 1, Bangalore, 2013, PP-307-312.	Rajeswari, N.N.S.S.R.K Prasad and V. Satyanarayana	<b>International</b>	ISBN-9789351071020 Elsevier, India



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4	Risc Architecture Based DLX Processor for Fast Convolution and Correlation	ICEDSP, Manipal, 2012, PP-34-37.	Rajeswari, Sumalatha, Jayalakshmi	<b>International</b>	ISBN:973-93-80872-69-1, Foundation Of computer Science, New York, USA
5	"Source Initiated context construction in Mobile Ad-Hoc Network used in Industrial Automation"	National Symposium on Instrumentation (NSI-35)	Manjunath R C, Rajeswari, H.D.Maheshappa,	National	
6	A Modified Approach of Speech Enhancement using Adaptive Wavelet Denoising for Low SNR Speech Signals	National Symposium on Instrumentation (NSI-35)	Rajeswari, N.N.S.S.R.K Prasad, H.D Maheshappa	National	
7	Performance analysis of Image Enhancement using Adaptive wavelet thresholding	11 <sup>th</sup> IETE symposium 2011, Bangalore	Rajeswari, Aditya V and Sapnakumari	National	
8	Image Coding Using Orthogonal Discrete Wavelet Transform with Improved Time localization",	National Conference on Advanced Telecommunication Technologies, KLN college of Engineering Madurai. Tamil Nadu, March 2008,	Rajeswari, Sujatha B M, Mahadeva T,	National	
9	"Future Research Focus in Engg. And Technology the role of engg. Colleges and	11th ISTE Convention 2008.	H. Jayalaxmi, M.C. Hanumantharaju, R.K. Renuka, Rajeswari	National	



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	Institution"				
10	Use of Perceptual Wavelet Packet Transforms and HMM for speech recognition	National conference on Communication Technologies for Global connectivity, RV college of Engineering, Bangalore, May 2011	Rajeswari, N.N.S.S.R.K Prasad and V. Satyanarayana	National	

### Dr. Sevugarajan S

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Multiplexed data acquisition for MALDI - ion mobility - mass spectrometry,	FACSS conference, Nevada, 2011.	Sevugarajan Sundarapandian, John A. McLean;	International	FACSS conference, Nevada, 2011.
2	A critical comparison of positively and negatively charged peptide ion structures using ion mobility-mass spectrometry,	ASMS 58th Annual Conference, 2010.		International	ASMS 58th Annual Conference, 2010.
3	High-Throughput Ion Mobility-Mass Spectrometry Strategies	American Society for Mass Spectrometry 58th Annual Conference, 2010.		International	American Society for Mass



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	for Monitoring Cellular Response in Real Time,				Spectrometry 58th Annual Conference, 2010.
4	Dynamic Biomolecular Measurements of Cellular Response by Ion Mobility-Mass Spectrometry: a New Strategy for Systems Biology -	SERMACS conference, Nashville, 2008.		International -	SERMACS conference, Nashville, 2008.
5	Conformational Studies of Melittin Using Electrospray Ion Mobility-Mass Spectrometry: The Effects of Temperature and Solvent Composition,	American Society for Mass Spectrometry 58th Annual Conference, 2010.	Sevugarajan Sundarapandian, John A. McLean;	International	American Society for Mass Spectrometry 58th Annual Conference, 2010.
6	Combining microfluidic cell trapping with real time monitoring of biomolecular exudates by ion mobility-mass spectrometry,	American Society for Mass Spectrometry 57th Annual Conference, 2009.		International	American Society for Mass Spectrometry 57th Annual Conference, 2009.
7	Dynamic Biomolecular	Regional Meeting of the American		International	Regional



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	Measurements of Cellular Response by Ion Mobility-Mass Spectrometry: a New Strategy for Systems Biology, Southeast	Chemical Society, 2008			Meeting of the American Chemical Society, 2008
8	Conformational Studies of Anhydrous Peptides and Proteins Using Nano electrospray Ion Mobility-Mass Spectrometry -	SERMACS conference, Nashville, 2008.	Sevugarajan Sundarapandian, John A. McLean;	International	SERMACS conference, Nashville, 2008.
9	New Structural Measurement Strategies Using Ion Mobility-Mass Spectrometry,	ASMS conference, Denver, 2008.	Sevugarajan Sundarapandian, John A. McLean;	International	ASMS conference, Denver, 2008.
10	Ion Mobility Mass Spectrometry of the products of oligomerisation of activated nucleotides with Montmorillonite -	ASMS conference, Denver, 2008		International -	ASMS conference, Denver, 2008
11	A Dual-Source Electrospray/MALDI Ion Mobility-Mass Spectrometer for	ASMS conference, Denver, 2008.	Sevugarajan Sundarapandian, John A. McLean;	International	ASMS conference, Denver, 2008.



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	Biomolecular Structural Characterization,				
12	Development of a High Performance Electrospray – Ion Funnel Interface for Biomolecular Ion Mobility – Mass Spectrometry,	FACSS conference, Memphis, 2008.	Sevugarajan Sundarapandian, John A. McLean;	International	FACSS conference, Memphis, 2008.
13	Paul trap mass spectrometer instrumentation,	Natl. Symp. Instrumentation, Dehradun, 105, 2001.	S. Sevugarajan, A.G. Menon	National	Natl. Symp. Instrumentation, Dehradun, 105, 2001.
14	Coupled Ion dynamics in nonlinear Paul traps,	Natl. Symp. Instrumentation, Bangalore, 21, 2000.	S. Sevugarajan, A.G. Menon	National	Natl. Symp. Instrumentation, Bangalore, 21, 2000.

## Prof.Sujatha B M

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	, "Improved Power Aware Routing protocol for Mobile Ad Hoc Networks",	National Conference on Advanced Telecommunication Technologies, RNSIT ,Bangalore. March 2008,	Sujatha B M, Manjunath R C, Vedanth Ravi	National	<i>India</i>



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			,Ravishankar Holla,		
2	A Hybrid Compression scheme for ultrasound image using JPEG and Quad tree	International conference on Communication and Signal processing(ICCNASP-13), VIT, Vellore ,Sep-13	Sujatha B M, Swetha J	International	<i>India</i>
3	Image Coding Using Orthogonal Discrete Wavelet Transform with Improved Time localization",	National Conference on Advanced Telecommunication Technologies, KLN college of Engineering Madurai. Tamil Nadu, March 2008,	Sujatha B M, Mahadeva T, Rajeshwari	National	<i>India</i>
4	Sujatha B M, Neththravathi H M ,”A Hybrid Compression Algorithm based on Human Visual system”	,National Conference on Computer Communication and Advanced Computing (NCCCAC-12), Sambhram IT, Karnataka, Bangalore. Aug 2012,	Sujatha B M, Neththravathi H M	National	<i>India</i>
5	,"Image Tramission with Enhanced Security by path diversioity in wireless sensor Network	National conference on Thrust Areas in Engineering (NCTAE-2012), Global Acadamy of Technology Bangalore, Jan 2012	Sujatha B M, Ravishankar Holla, Pradeep k,	National	<i>India</i>
6	SujathaB M, Chandranatak, “Analysis of hybrid DWT-DCT algorithm for medical image compression: A review”	National Conference on Technological advances in Electronic Systems Design(NCTAESD-14), Vemana Institute of Technology, Bangalore, April 2014.	Sujatha B M, Chandranatak	National	



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### Prof. Jayalaxmi H

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Microcontroller Operated Gsm Based Automation System	11 <sup>th</sup> symposium 2011 at IETE	Jayalaxmi H Anil Kumar	International	India
2	Image Mosaicing using Euclidean Warp and Bilinear Interpolation	ICECE, 2011	Jayalaxmi H Dr. S Ramachandran	International	India
3	RISC Architecture based DLX Processor for Fast Convolution and Correlation, International Conference on Electronic Design and Signal Processing	ICEDSP special issue		International	ISBN:973-93-80872-69-1, Foundation Of computer Science, New York, USA
4	Automatic Image Mosaicing using Bicubic Interpolation	International Conference on Signal Processing & VLSI design, SIT,2013	Jayalaxmi H Dr. S Ramachandran	International	India
5	A Novel Method for Computing Exponential Function Using CORDIC Algorithm	DOI: 10.1016/j.proeng.2012.01.860. ISSN: 1877-7058, ELSEVIER, Volume 30, 2012, Pages 519–528	Jayalaxmi H, Sudha J	International	India
6	Novel Algorithm for Image Mosaicking using Feature Detection	ACEEE, DOI: 03.AETS.2014.5.366, <u>Proc. of Int. Conf. on Recent Trends in Signal Processing, Image Processing and VLSI, ICrtSIV</u> iccima, vol. 2, pp.169-173	Jayalaxmi H Dr. S Ramachandran	International	India





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7	"A High Speed Block Convolution Using Ancient Indian Vedic Mathematics"	iccima, vol. 2, pp.169-173, International Conference on Computational Intelligence and Multimedia Applications (ICCIMA 2007), 2007	H. Jayalaxmi, M.C. Hanumantharaju, R.K. Renuka, M. Ravishankar	International	India
8	"High speed FPGA Implementaion of FIR Lattice Structures"	ICCR, vol. 1, pp-606-610, Proceedings of the International Conference on Cognition and Recognition (ICCR 2008),2008	H. Jayalaxmi, M.C. Hanumantharaju, R.K. Renuka, M. Ravishankar	International	India
9	"Future Research Focus in Engg. And Technology the role of engg. Colleges and Institution"	11th ISTE Convention 2008.	H. Jayalaxmi, M.C. Hanumantharaju, R.K. Renuka, Rajeswari	National	India

### Dr.Shobharani A

Sl.No	Tittle of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Scenario Based Analysis of Low Power and Low Rate IEEE 802.15.4 for Wireless Sensor Networks	SENNET'09 Tamilnadu,Vellore, Dec 07-10,	Shobha Rani A, Surekha K B, Puttamadappa C	International	India
2	Performance Analysis of Routing protocols in Mobile Ad hoc Networks using Racion Propagation Model	ICON-RFW 09 Karnataka,Bangalore, 2009,7-10 Oct	Shobha Rani, Surekha K B, T G Basavaraju, C Puttamadappa	International	India
3	Open Architecture Computer Simulation Software for V/UHF	National Conference on Communication and Soft Computing-2012 (NCCSC-12)	Hemavathi , A. Shobha Rani	National	India



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	Radio	Karnataka,Bangalore, August 2012	Dr. NNSSRK Prasad		
4	Wireless Sensor Networks for the Optimum Energy Expenses in the Smart Home	National Conference on Communication and Soft Computing-2012 (NCCSC-12) Karnataka,Bangalore, August 2012	Sony Kuriakose A Shobharani	National	India

### Prof.Krupaprasad K R

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
	Nil				

### Prof.Raghunath B H

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
	Nil				

### Prof.Renuka Kajur

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	"A High Speed Block Convolution Using Ancient Indian Vedic	iccima, vol. 2, pp.169-173, International Conference on Computational Intelligence and	H. Jayalaxmi, M.C. Hanumantharaju,	international	



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	Mathematics"	Multimedia Applications (ICCIMA 2007), 2007	R.K. Renuka, M. Ravishankar		
2	"High speed FPGA Implementaion of FIR Lattice Structures"	ICCR, vol. 1, pp-606-610, Proceedings of the International Conference on Cognition and Recognition (ICCR 2008),2008	H. Jayalaxmi, M.C. Hanumantharaju, R.K. Renuka, M. Ravishankar	international	
3	"Future Research Focus in Engg. And Technology the role of engg. Colleges and Institution"	11th ISTE Convention 2008.	H. Jayalaxmi, M.C. Hanumantharaju, R.K. Renuka, Rajeswari	national	

### Prof.Siddesh M B

Sl.No	Tittle of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Nil				

### Dr.Prithvisekhar Pagala

Sl.No	Tittle of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
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1	“Energy consumption perspective of bilateral control architectures”,	EUROCON IEEE, 2013, pp. 1468–1473	P. S. Pagala, F. Suarez-Ruiz, and M. Ferre,	International	978-1-4673-2230-0 , Coratia
2	“Design of modular robot system for maintenance tasks in hazardous facilities and environments”,	ROBOT2013: First Iberian Robotics Conference, Springer, 2014, pp. 185–197	P. Pagala, M. Ferre, and M. Armada,	International	978-3-319-03652-6, Spain
3	“Energy management module for mobile robots in hostile environments”,	Advances in Autonomous Robotics, Springer, 2012, pp. 430–431	R. Parasuraman, P. Pagala, K. Kershaw, et al.,	International	0302-9743 , Bristol, UK
4	“External force estimation for telerobotics without force sensor”,	ROBOT2013: First Iberian Robotics Conference, Springer, 2014, pp. 631–644	E. del Sol, P. Pagala, R. King, et al.,	International	978-3-319-03652-6, Spain
5	“Model based on-line energy prediction system for semi-autonomous mobile robots”,	5th International Conference on Intelligent Systems, Modelling and Simulation (ISMS), 2014	R Parasuraman, P Pagala, K Kershaw, et al.,	International	Langkawi, Malaysia.

Prof.Shailesh M L



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Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Image Mosaicing using Euclidian warp and bilinear interpolation	International conference on Electronics & Communication Engineering (ICECE-2011)	Jayalaxmi H Shailesh M L	International	India
2	Improving Capacity in Image Steganography using Extended Quantization Table	International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA – 13)	Tejaswini H Shailesh M L	International	India

### Prof.Nagapushpa K P

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
	Nil				

### Prof.Lakshmikanth S

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page	Authors	International/ National	ISSN/ISBN &
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		No)			Country
1	Phase shift resonant converter using zero voltage switching	International conference on information and communication Technology 2007	Lakshmikanth.S, Usharani.A.R	International	ISSN 0537-9989 INDIA
2	Development of matrix converter-A review	National level conference on VLSI Design and communication 2011	Lakshmikanth.S, Usharani.A.R	National	
3	Performance Analysis of Industrial Noise Cancellation with PSO based Wiener Filter Using Adaptive LMS & NLMS	IEEE international conference on communication and signal processing 2014	Lakshmikanth.S, Natraj.K.R, Rekha.K.R	International	978-1-4799-3357-0

### Prof. Nataraju AB

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Route Handoff using Channel Aware Routing Protocol in MANETs	National conference on Communication and Soft Computing (NCCSC-2012)	Vinay H S, Nataraju A B	National	

### Prof.Sapna Kumari C



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Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
	Nil				

## Prof. Asha C N

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	“A review of scalable Routing Protocols for wireless Mesh Networks ”	International Conference on Networking, Information & Communications, Elsevier, Dec-14	H R Ranganath, C N Asha, T G Basavaraju	International	India

## Prof.Manjunath R C

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page	Authors	International/ National	ISSN/ISBN &
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		No)			Country
1	"Source Initiated context construction in Mobile Ad-Hoc Network used in Industrial Automation"	National Symposium on Instrumentation (NSI-35),	Manjunath R C, Rajeswari, H.D.Maheshappa,	National	India
2	"Image Transmission With Enhanced Security By Path Diversity In Wireless Sensor Networks",	National conference on Thrust Areas in Engineering (NCTAE-2012)	Sujatha B M, Manjunath R C, Ravishankar Holla, Pradeep K P,	National	India
3	"Power Aware Routing for Mobile Ad Hoc Networks",	International Conference on Data Engineering and Communication Systems),	Sujatha B M, Manjunath R C, Ravishankar Holla,	International	India

### Prof.Pallavi B I

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
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### Prof.Vasanth Kumar T R

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Antipodal Signed Directed Graphs	Advn. Stud. Contemp. Math., 21(4) (2011), 355-360. (ISSN: 1229-3067, South Korea).	P. Siva Kota Reddy, B. Prashanth, and T. R. Vasanth Kumar	international	21(4) (2011), 355-360. (ISSN: 1229-3067, South Korea).
2	Non Ideal Motion In Airborne Sar: Analysis And Comp Enstation	International journal of enterprise computing and business system	Manjula T R, Vasanth Kumar T R ,Shankar B B	international	ol. 2 Issue 1 January 2012,ISSN (Online) : 2230-8849

### Prof.Sumalatha S

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	RISC Architecture based DLX Processor for Fast Convolution and Correlation	International Conference on Electronic Design and Signal Processing	Sumalatha S, Rajeswari Jayalaxmi H	International	ICEDSP special issue ISBN:973-93-80872-69-1

### Prof.Sudha J



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Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
	A Novel Method for Computing Exponential Function Using CORDIC Algorithm	ELSEVIER, Volume 30, 2012, Pages 519–528	SUDHA J, Dr. V VENKATESWARULU, Hanumantharaju M C,	International	DOI: 10.1016/j.proeng.2012.01.860. ISSN: 1877-7058

### Prof.Bhaskar G R

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	FPGA & ASIC Implementation Of Vedic Multiplier	International Conference on emerging technologies	-	International	-

### Prof.Bhargav N

Sl.No	Title of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	A Multi ROI Based Medical Image Compression with Edge	International Conference on Data Engineering & Communication System	N. Bhargav, bharath Kumar Gajula, R.	International	



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	Feature Preserving		Manjunath Kounte		
2	Performance Analysis of Doudble Bridge Combiner	1st International Conference on Functional Materials for Defence	Bhargav N., R.Gopalakrishnan	International	

### Prof.I Vijay Kumar Reddy

Sl.No	Tittle of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Nil				

### Prof.Shashi Kumar

Sl.No	Tittle of the paper	Journal ( Name, Volume, Issue & Page No)	Authors	International/ National	ISSN/ISBN & Country
1	Nil				