

Publications:

International Journals	International Conference	National Conference
14	10	08

International Journals

1. Nilofar Farzana and S Rathnakara, "Detection of Micro-Calcifications in Mammogram images using Probabilistic Neural Network", elixir online journal for computer science and engineering ISSN 2229 -712X August 2011 pp 4404-4408. PIF-6.865
2. Kushal p giri and S Rathnakara, "Face Recognition Using Apperance Based Analysis" elixir online journal for advanced engineering informatics ISSN 2229 -712X August 2011 pp 4530-4532. PIF-6.865
3. Shinto Sebastian & Rathnakara.S "Separation of Heart Sound Artifact from Respiratory Signals Using Singular Spectrum based Advanced Line Enhancer" International Journal on Advanced Computer Theory and Engineering (IJACTE) ISSN 2319-2526 Volume-2, Issue-4, 2013. pp 107-112. http://www.irdindia.in/Journal_IJACTE/PDF/Vol2_Iss4/22.pdf Impact factor- 1.64
4. Kailashnath J.K and Rathnakara.S "A Review on Improvising Robustness of Speaker Recognition System" International Journal of Computer Applications (0975 – 8887) Advanced Computing and Communication Techniques for High Performance Applications (ICACCTHPA-2014) pp 30-33 Impact factor- 0.26
5. Nikhil K & Rathnakara.S "Speech recognition system robtics for biomedical applications controlled by reagonal language" International journal for scientific research & development (IJSRD) Vol 3, Issue 3, 2015 ,ISSN(online) 2321-0613 PP 2704-2706 Impact factor- 4.396
6. Nikhil K & Rathnakara.S " Robot for Bio-Medical applications controlled by regional language" International Journal of Electrical & Electronic Engineering & Telecommunications (IJEETC), Vol 4, No 3, July 2015 PP 16-20 ISSN 2319 – 2518 Impact factor- 0.454
7. Vijayashri B. Nagavi, Mr. Ajish K. Abraham, Dr. M. Pushpavathi & Mr Rathnakara S "Classification of Velopharyngeal Dysfunction in Children with Cleft

- Palate using Cineradiographic Images” International Journal for Scientific Research & Development(IJSRD) Vol. 3, Issue 04, 2015 | ISSN (online): 2321-0613, pp 3058-3061 Impact factor- 4.396
8. Priyanka.M.C & Rathnakara.S “ Conversion of English text to speech with increasing intelligibility” International Journal of Engineering Science and computing(IJESC) Vol 6, Issue 5, May 2016, ISSN 2321 3361 pp 6025-6028 Impact factor- 3.868
 9. Amulya.N & Rathnakara.S “Medical Information Security by Steganography and Cryptography” International Journal of Engineering Science and computing(IJESC) Vol 6, Issue 5, May 2016, ISSN 2321 3361 pp 6076-6079 Impact factor- 3.868
 10. Rathnakara.S and Dr.V.Udayashankara “System Identification in Speech Signal Using Modified Kalman Based Normalized Least Mean Square (NLMS) Algorithm”- IJARCSSE Volume 7, Issue 3, March 2017, PP180-184 ISSN 2277 128X ,DOI- 10.23956/ijarcsse/V7I3/0104 Impact factor- 2.5
 11. Rathnakara.S and Dr.V.Udayashankara “Real Time System Identification for Speech Signal Implemented on TMS320C6713” IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) Volume 7, Issue 2, Ver. I (Mar. - Apr. 2017), PP 20-25 ISSN 2319-4197 Impact factor- 2.82
 12. Rathnakara.S and V.Udayashanakara “ Enhancement Of Speech Signal Using Improved NLMS Algorithm”, Communication on Applied Electronics 6(9), pp-34-37, April 2017, ISSN 2394-4714, DOI 10.5120/cae201765257 Impact Factor – 1.52
 13. Rathnakara.S, V.Udayashankara,"Estimation of Noise in Nonstationary Signals Using Derivative of NLMS Algorithm", International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.9, No.8, pp.9-16, 2017.DOI: 10.5815/ijigsp.2017.08.02 ISSN 2074-9082 Impact factor- 1.42
 14. Sanjana S and Rathnakara.S “Design of interface board for medical kiosk based on “off-the-shelf” platform” International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 07 June-2017 PP 737-741 ISSN 2395-0072 Impact factor- 5.181

International Conferences

1. Susmitha Wils.K and Rathnakara.S “Assessment of subcutaneous Adipose tissue of the Abdomen by MRI”, IEEE 1st International conference on Signal & Image Processing, BVBCET Hubli, Page 364-368,7-9 Dec’06.

2. Rathnakara.S and Dr.V.Udayashanakara “Speech Enhancement using Normalized LMS algorithm” International conference on Communication,VLSI and Signal Processing, ICCVSP2013, SIT Tumkur 20-22nd Feb’2013.
3. Madhukara RS and Rathnakara .S” Development of Image Tools for MR Images using PACS(Picture archiving and communication systems)” International Conference on Electronics and Communication Engineering, 28th April-2013, Bengaluru, ISBN: 978-93-83060-04-7
4. Shinto Sebastian and Rathnakara.S “Removal Of Heart Sound Artifact During Pulmonary Auscultation Using Singular Spectrum Based Advanced Line Enhancer” 4th international conference on electrical, electronics and computer science (ICEECS), 30th June, 2013 Pune, ISBN 978-81-31703-83-3, PP 27-31
5. Shinto Sebastian and Rathnakara.S “Separation and localization of heart sound artifacts from respiratory data by adaptive selection of Eigen triples in singular spectrum analysis” Fourth international conference on Computing, Communication and Networking Technologies(ICCNT), July 4-6 2013, Vivekananda college of Engineering for Women Tiruchengode 637205. ISBN:978-1-4799-3925-1 PP23-27, published by IEEE.
6. Maheshwari.B and Rathnakara.S “Different approaches for EEG noise cancellation” Fourth international conference on Advanced computing and communication technologies for high performance computing applications, Cohin, Kerala 19-21 June 2014
7. Maheshwari.B and Rathnakara.S “EEG noise cancellation and seizure detection using adaptive algorithms” 2nd international conference on current trends in engineering and management(ICCTEM2004), 17-19 July,2014,Vidyavardhaka college of engineering Mysore.PP522-525
8. Kailashnath J.K and Rathnakara.S “A Review on Improvising Robustness of Speaker Recognition System” Fourth international conference on Advanced computing and communication technologies for high performance computing applications, Cohin, Kerala 19-21 June 2014
9. Kailashnath J.K and Rathnakara.S “Kannada speaker recognition using mel frequency cepstral coefficients (MFCC) and artificial neural network(ANN)” 2nd international conference on current trends in engineering and management(ICCTEM2004), 17-19 July,2014,Vidyavardhaka college of engineering Mysore.PP526-530
10. Sanjana S and Rathnakara.S “Design of intermediate control and communication unit for health kiosk, International conference on signal, image processing, communication & automation (ICSIPCA-2017) 6-7 July 2017, JSS Academy of Technical Education Bengaluru. GRENZE Scientific society, *Grenze ID: 02.ICSIPCA.2017.1.63 PP396-403*

National Conferences

1. Rathnakara.S, Dr.V.Udayashankara “Noise Estimation for Speech Enhancement” first national conference on computation Control systems & Optimization Dr.AIT, Bangalore, 12-13 May 2011.
2. Nilofar Farzana and S Rathnakara, “Detection of Micro-Calcifications in Mammogram images using Probabilistic Neural Network” SOFTCOMP ‘II, VIT University, Vellore JULY 22-23, 2011
3. Kushal P Giri and S Rathnakara “ Face Recognition Using Appearance Based Analysis” SOFTCOMP ‘II, VIT University, Vellore JULY 22-23, 2011
4. Venu S and Rathnakara.S, ”ECG signal feature extraction using DWT and ICA for the classification of cardiac arrhythmias” National conference on communication and soft computing(NCCSC-2012) by KSIT Bangalore on 9th Aug 2012.
5. Sunil Kumar T, Jayanth Prasad D.K and Rathnakara.S ”Myoelectric Arm” B R V Vardhan’12 National conference, IEEE Bangalore section at PESCE, Mandya on 31th October 2012. (Secured Second Prize)
6. Srinidhi .V,Sudarshan M.S. and Rathnakara.S”Agricultural Robot” B R V Vardhan’12 National conference, IEEE Bangalore section at PESCE, Mandya on 31th October 2012.
7. Chandana and Rathnakara.S “Detection of Liver injury in CT Images” B R V Vardhan’12 National conference, IEEE Bangalore section at PESCE, Mandya on 31th October 2012.
8. Anitha V.Raj,Deeksha Nayak, Rajeswari.P & Rathnakara.S,” Active Noise Reduction in audiometer” BME Explore BIET, Davanagere, 9th April’2013