Publication List

Dr. E. Priya
Professor
Department of Electronics and communication
Sai Ram Engineering College
Email- Priya.ece@sairam.edu.in

Publication in Journals:

1. R.Nisha Rexline and E.Priya (2019) "Denoising of ECG signals – A preliminary study", Journal of Emerging Technologies and Innovative Research, Vol. 6, No.4, pp. 323-327. (ISSN: 2349-5162)

2. Venkata Nageswararao, S. Srinivasan and E. Priya (2018) "Inhomogeneity correction and hybrid based segmentation in cardiac MRI" International Journal of Biomedical Engineering and Technology, Vol. 28, No. 4, pp. 349-365.

3. Ebenezer Priya and Subramanian Srinivasan (2016) "Automated object and image level classification of TB images using support vector neural network classifier" Biocybernetics and Biomedical Engineering, Vol. 36, No. 4, pp. 670-678

4. T.Pooja and E.Priya (2016) "Design and Implementation of Speech Processing in Cochlear Implant", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Special Issue 9, pp. 535-540. (ISSN: 2319-8753)

5. E.Priya and S.Srinivasan (2016) "Validation of Non-Uniform Illumination Correction Techniques in Microscopic Digital TB Images using Image Sharpness Measures", International Journal of Infectious Diseases, Vol. 45, Supplement 1, pp. 406.

6. Vidya K V and E.Priya (2015) "Frailty analysis of sEMG signals for different hand movements based on temporal and spectral approach", Biomedical Sciences Instrumentation, Vol. 51, pp. 93-100.

7. Ebenezer Priya and Subramanian Srinivasan (2015) "Separation of overlapping bacilli in microscopic digital TB images" Biocybernetics and Biomedical Engineering, Vol. 35, pp. 87-99.

8. Ebenezer Priya and Subramanian Srinivasan (2015) "Automated Identification of Tuberculosis Objects in Digital Images Using Neural Network and Neuro Fuzzy Inference Systems" Journal of Medical Imaging and Health Informatics, Vol. 5, pp. 506-512.

Publication in Conferences: 1. R.Geetha and E.Priya (2020), "Brain MR Image Lesion Identification using Threshold-based Segmentation Techniques", International Conference on Automation, Signal Processing, Instrumentation and Control (iCASIC 2020) held on 27th, 28th February at Vellore Institute of Technology, Vellore.

2. R.Chitra and E.Priya (2020), "Digital Filter Implementation for Removal of Baseline Wander in ECG signals", International Conference on Automation, Signal Processing, Instrumentation and Control (iCASIC 2020) held on 27th, 28th February at Vellore Institute of Technology, Vellore.

3. P.Santhana Krishnan, N.Rakesh, R.Chitra and E.Priya (2020), "Vital Signal Analyzer", 2nd International Conference on Communication, Computing and Internet of Things (IC3IoT 2020) held in the Department of ECE, Sri Sairam Engineering College, 20th to 22nd February 2020.

4. R.Kausalya and E.Priya (2019) "Implementation and validation of a non-contact measurement of cardiac activity", Third IEEE International Conference on Computing and Communications Technologies, ICCCT-19, Department of Information Technology, Sri Sairam Engineering College, pp. 154-158, February 21-22nd, 2019.

5. C.N.Savithri and E.Priya (2018) "Statistical Analysis of EMG based Features for Different Hand Movements", 2nd International Conference on Smart Computing & Informatics (SCI-2018), Department of Computer Science & Engineering and Information Technology, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, India, 27-28 January, 2018.

6. Veena Saraswathy, A.A.Swathy and E.Priya (2017) "Detection of crackles in human lungs based on spectrogram analysis", National Conference on Eco-friendly Technological Innovations for sustainable Development, NCETISD-17, Sree Buddha College of Engineering, Pattoor, Alappuzha, Kerala, April 17th.

7. P.PonPriya and E.Priya (2017) "Design and control of prosthetic hand using myoelectric signal", Second IEEE International Conference on Computing and Communications Technologies, ICCCT-17, Department of Information Technology, Sri Sairam Engineering College, February 23-24th, pp. 383-387.

8. C.N.Savithri and E.Priya (2017) "Correlation coefficient based feature selection for actuating myoelectric prosthetic arm", 9th International Conference on Trends in Industrial Measurements and Automation, TIMA 2017, Department of Instrumentation Engineering, MIT Campus, Anna University, January 6-8th.

9. R.Kausalya and E.Priya (2016) "Implementation and Validation of a Non-contact Measurement of Cardiac Activity", International Conference on Broadband and Wireless Technologies, Department of ECE, Sri Sairam Engineering College, Chennai, June 23rd-24th.

10. T.Pooja and E Priya (2016) "Implementation and Analysis of Cochlear Implant for Speech Processing – A Bionic Ear", International Conference on Broadband and Wireless Technologies, Department of ECE, Sri Sairam Engineering College, Chennai, June 23rd-24th.

11. V.Nageswararao, S.Srinivasan, S.Babu peter, E.Priya (2016) "Multifractal analysis based segmentation of short axis CMRI images", 2nd International Conference on Biomedical Systems, Signals and Images, Department of Applied Mechanics, IIT Madras, Chennai, January 24-26th.

12. Vidya K V and E.Priya (2015) "Discrimination of sEMG signals based on temporal and spectral approach for frailty analysis", 2nd International Conference on Biosignals, Imaging and Instrumentation, SSN College of Engineering, Chennai, March 19-20th.

13. Vidya K V and E.Priya (2015) "Empirical mode decomposition based denoising of surface EMG signals", 2nd National Conference on Recent trends in Instrumentation and Control, MIT Campus, Anna University Chennai, March 13-14th.

14. E.Priya and A.Kumaran (2015) "Automatic detection of toxicity in the blood samples of dye factory workers", IEEE International Conference on computing and communications technologies, Sri Sai Ram Engineering College, Chennai, February 26-27th, pp. 334-337.

Paper presentation at National and International level:

1. Attended and co-authored research paper titled "sEMG-based arm action classification using time domain features and machine learning techniques" in 8th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2019) held at Seoul, Republic of Korea from 22nd to 25th October.

2. Attended and co-authored research paper titled "A preliminary study on kinematic analysis of human hand" and "Performance analysis: preprocessing of respiratory lung sounds" in a one day "International Conference on Artificial Intelligence-ICAI 2018" at University of Moratuwa, Sri Lanka on 20th December 2018.

3. Presented research paper titled "Validation of non-uniform illumination correction techniques in microscopic digital TB images using image sharpness measures" at 17th International Congress on Infectious Diseases, International Conventional Centre, Hyderabad during March 2-5, 2016.