

International Journals Published and Communicated:

- Ø S. Sridhar, U. Ramachandraiah, G. Muthukumaran, E. Sathish, Hybrid brain-computer interface control system for quadriplegic patients, *Journal of critical reviews*, vol. 7(14), pp.975-982, 2020.
- Ø S. Sridhar , U. Ramachandraiah , G. Muthukumaran , E. Sathish, Detection of Eyeblink using Hybrid Brain-Computer Interface, *Solid State Technology*, vol. 63(1), pp.1-6, 2020.
- Ø E. Sathish, N.Sivakumaran, Sishaj P Simon, S.Raghavan, Genetic algorithm based feature selection for classification of focal and non-focal intracranial Electroencephalographic signals, *Journal of scientific and industrial research - Accepted for publication*. vol. 76, no. 5, pp.614-619, 2017.
- Ø E.Sathish, N.Sivakumaran, S.Sankaranarayanan, Grey wolf optimization based parameter selection for support vector machines, *International journal for computation and mathematics in electrical and electronic engineering*, vol. 35, no. 5, pp.1513 – 1523, 2016.
- Ø E.Sathish, N.Sivakumaran, K.Radhakrishnan, S.Raghavan, T.K.Radhakrishnan, Importance of classification algorithms in epileptic seizure detection, *Journal of bioengineering & biomedical sciences – vol. 6, no. 3, 2016*, pp. 1-2, 2016.
- Ø E.Sathish, N.Sivakumaran, V.Kirubakaran, T.K.Radhakrishnan, K.Radhakrishnan, Design of Metaheuristic Tuned Support Vector Machine for Classification of Electroencephalographic Signals, *Swarm and evolutionary computation*, Elsevier - Communicated.
- Ø E.Sathish, N.Sivakumaran, K.Radhakrishnan, Characterization of focal and non-focal epileptic seizure using optimized machine learning algorithms, *International Journal of biomedical engineering and technology*, Inderscience (SCI Indexed - Impact factor - Communicated).
- Ø Sridhar S, Ramachandraiah Uppu, Muthukumaran G, E.Sathish, Detection of Eye blink using Hybrid Brain-Computer Interface, *International Journal of Engineering - Communicated*.

Conferences Presented and Communicated:-

International Conference:

- Ø Florence Gnana Poovathy John, Shubhashisa Sahoo, Sathish Eswaramoorthy, Muthukumaran Gopalan, Uppu Ramachandraiah “Modeling of a Suction Chamber based Wall Climbing Robot for Angular Stability”, *IEEE International Instrumentation and Measurement technology Conference*, 25-28 May 2020
- Ø S.K.Indumathi, E. Sathish, U.Ramachandraiah, “Model Identification of conical tank system using data driven approach” *Springer International Conference on Mechanical Engineering Design* ,SSN College of Engineering, Chennai, 25-26 April 2019.
- Ø S.Sridhar, U.Ramachandraiah, E. Sathish and G. Muthukumaran, “Identification of Eye blink Artifacts using Wireless EEG headset for Brain Computer Interface System”, *IEEE International Conference on Sensors*, New Delhi, 2018
- Ø C Sudalaimani, N Sivakumaran, Sasi Pilacheri Meethal, Elizabeth Thomas T, S. Rominus Valsalam and Sathish Eswaramoorthy, “Seizure Prediction using General Regression Neural Networks, *Trends in industrial measurement and automation*”, pp 1-7, 2017
- Ø Rajendra Singh Takur, E.Sathish, N.Sivakumaran “Machine Learning Based Categorization of fruits for big basket grocery store”, *International Conference on Human Computer Interactions 2016 (IEEE)*, Chennai.
- Ø K.Elavarasi, P.Rajasekar and E.Sathish, “Realtime gas-solid flow measurement using image processing”, *International Conference on Human Computer Interactions 2016 (IEEE)*, Chennai.

- Ø E.Sathish, N. Sivakumaran, and Raji Sundararajan, “Simulation of electric field distribution and depth of electrodes placed in cancer tissues”, Electrostatic society of America 2014, USA.
- Ø E.Sathish, N. Sivakumaran, and Raji Sundararajan, “Classification of intracranial EEG signals using adaptive neuro fuzzy inference system, Electrostatic society of America 2014, USA.
- Ø “E.Sathish and N.Sivakumaran, “Classification of Normal and Epileptic EEG Signals using Adaptive Neuro Fuzzy Inference System”, Biomedical Engineering and Assistive Technologies 2013, NIT Jalandhar, Punjab.
- Ø A.Gupta, N.Sivakumaran and E.Sathish, “Effect of modeling hemodynamic response function on statistical value in SPM for EEG correlated fMRI data of epileptic patient”, Biomedical Engineering and Assistive Technologies 2013, NIT Jalandhar, Punjab.
- Ø N.Sivakumaran and E.Sathish, “Electrical source imaging in Epilepsy”, ECON 2014, Taj Bengal, Kolkata. (Poster Presentation)
- Ø Florence Gnana Poovathy John, Sathish Eswaramoorthy, “Wheeled wall climbing robot with suction chamber: A study on forces and moments for stability”, International Virtual Conference on Robotics, Automation, Intelligent Systems and Energy, 5 Dec 2020. (Accepted for presentation)

National Conference:

- Ø C.Chandrakumar, N. Sivakamasundari, E.Sathish, “Classification of EEG signal and Epilepsy detection using Feed-forward back propagation network” NCTIA 2012 , Chennai.
- Ø C.Chandrakumar, N. Sivakamasundari, E.Sathish, “Classification of EEG signal using linear discriminant analysis and Feed-forward back propagation network” ICRTCSE 2012, Chennai.