

**Dr. ARUN SAHAYADHAS**

**Professor, Department of Computer Science and Engineering, Vels Institute of Science,  
Technology and Advanced Studies, Chennai – 600 117, Tamilnadu. Mobile: 09787115195**

**LIST OF PUBLICATIONS**

1. **A Sahayadhas**, K Sundaraj, M Murugappan, R Palaniappan, “Physiological signal based detection of driver hypovigilance using higher order spectra”, Expert Systems with Applications 42 (22), 8669-8677, 2015
2. **A Sahayadhas**, K Sundaraj, M Murugappan, R Palaniappan, “A physiological measures-based method for detecting inattention in drivers using machine learning approach”, Biocybernetics and Biomedical Engineering 35 (3), 198-205, 2015
3. Senthil Kumar Janahan, Shaik Javed Parvez M.R.M. Veeramanickam, **S.Arun**, Kumar Narayanan, R. Anandan, “IoT based smart traffic signal monitoring system using vehicle counts”, International Journal of Engineering & Technology 7 (2.21), 309-312, 2018
4. KS Archana, **A Sahayadhas**, “Automatic rice leaf disease segmentation using image processing techniques”, International Journal of Engineering & Technology 7 (3.27), 182-185, 2018
5. SJ Parvez, HM Moyeenudin, **S Arun**, R Anandan, SK Janahan, “Digital marketing in hotel industry” , International Journal of Engineering & Technology 7 (2.21), 288-290, 2018
6. M Islam, N Ahmed, S Ali, JM Nordin, **A Sahayadhas**, “Detection performance of OCDMA over WDM system for all optical access network”, 2016 International Conference on Communication and Signal Processing (ICCSP)
7. S Murugan, J Selvaraj, **A Sahayadhas**, “Detection and analysis: driver state with electrocardiogram (ECG)”, Physical and Engineering Sciences in Medicine, 1-13, 2020
8. A Arockia Ranjini, **S Arun**, “A Comparison Study of Various Virtual Machine Consolidation Algorithms in Cloud Datacenter”, ARPJ Journal of Engineering and Applied Sciences 12 (1), 125-129, 2017
9. A Alex, P.M.D., Ravikumar, A., Selvaraj, J., **Sahayadhas** “Research on human activity identification based on image processing and artificial intelligence” International Journal of Engineering & Technology 7 (3.27), 174-178, 2018
10. K Elakiya, **A Sahayadhas**, “Keyword extraction from multiple words for report recommendations in media wiki”, IOP Conference Series: Materials Science and Engineering 183 (1), 012029, 2017

11. R Sindhuja, **A Sahayadhas**, "Feature extraction using TIPCA technique along with the combination of K-NN classifier", ARPN Journal of Engineering and Applied Sciences 10 (13), 5610-5613, 2015
12. SP Kumar, J Selvaraj, R Krishnakumar, **A Sahayadhas**, "Detecting Distraction in Drivers using Electroencephalogram (EEG) Signals", 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC)
13. S Murugan, J Selvaraj, **A Sahayadhas**, "Driver Hypovigilance Detection for Safe Driving using Infrared Camera", 2020 International Conference on Inventive Computation Technologies (ICICT)
14. S Murugan, J Selvaraj, **A Sahayadhas**, "Analysis of Different Measures to Detect Driver States: A Review", 2019 IEEE International Conference on System, Computation, Automation and Networking (ICSCAN)
15. SP Kumar, J Selvaraj, **A Sahayadhas**, "A Comparative Study on Different Measures to Identify Driver States", 2019 IEEE International Conference on System, Computation, Automation and and Networking (ICSCAN)
16. KS Archana, **A Sahayadhas**, "Computer Vision For Predicting Unhealthy Region Of Rice Leaves-A Review", JEP 39 (7), 607-613, 2019
17. M Latha, **S Arun**, "Performance comparison of various denoising filters for brain MRI Images", International Journal of Engineering & Technology 7 (2.21), 361-363, 2018
18. KS Archana, **A Sahayadhas**, "Comparison of various filters for noise removal in paddy leaf images", International Journal of Engineering & Technology 7 (2.21), 372-374, 2018
19. A Ranjini A, **A Sahayadhas**, "Energy and Performance Efficient Server Consolidation Using Dynamic Utilization in Virtualized Cloud Datacenters", International Journal of Control Theory and Applications 10 (36), 245-251, 2017
20. **Dr.S. Arun** and Dr.R. Anandan Shaik Javed Parvez, Senthil Kumar Janahan, "Business Intelligence and Decision Support Using Distinct MapReduce with Access Patterns (DMRAP) in Big Data Analytics", Journal of Advanced Research in Dynamical and Control Systems 4 (Special issue) 2017
21. R Janahan, S.K., Parvez, S.J, **Arun, S.**, Anandan, "A predictive analysis of signatures using soft computing techniques", Journal of Advanced Research in Dynamical and Control Systems 4 (Special issue), 2017
22. SPA Claret, MG Alex, R Yamini, **A Sahayadhas**, "Reliability Metrics in Component Based Methods for a Distributed System", ARPN Journal of Engineering and Applied Sciences 12 (8), 2445-2449, 2017

23. U Jayavel, **A Sahayadhas**, “IMPROVING MELANOMA DETECTION BY EXTRACTING STATISTICAL FEATURES”, International Journal of Applied Engineering Research 10 (17), 13870-13875, 2015
24. R Sindhuja, **A Sahayadhas**, “Partial Face Identification and Human Face detection using TIPCA and Haar Classifiers”, International Journal of Applied Engineering Research 10 (17), 13844-13848, 2015
25. Mst Arifa Khatun, Md Asraf Ali, Md Razu Ahmed, Sheak Rashed Haider Noori, **Arun Sahayadhas**, “Empirical Study of Computational Intelligence Approaches for the Early Detection of Autism Spectrum Disorder”, **Book** Intelligent Computing and Applications, Pages 161-170, Publisher Springer, Singapore