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**List of Publications for last 5 years**

1. T. Senthil Kumar and K.I. Ohm Prakash, "A Queueing Model for e-Learning System", Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Advances in Intelligent Systems and Computing, 325, pp.89-95, 2015
2. T.Senthil Kumar, Swathi Pandey, "Customization of Recommendation System Using Collaborative Filtering Algorithm on Cloud Using Mahout", Intelligent Distributed Computing, Advances in Intelligent Computing, Vol.321, pp.1-11, 2015
3. T. Senthil Kumar, K. S. Gautam, H. Haritha "Debris Detection and Tracking System in Water Bodies Using Motion Estimation Technique," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of the 6th International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2015 , 424, pp 275-284, 2015 (ISBN: 978-3-319-28030-1 (Print) 978-3-319-28031-8 (Online))
4. K. S. Gautam, and T. Senthil Kumar, "Discrimination and Detection of Face and Non-face Using Multilayer Feedforward Perceptron," In Advances in Intelligent Systems and Computing published – Springer – from the proceedings of International Conference ICSCS 2015, Vol. 397, pp. 89-103, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).
5. Sahla.K.S , T.Senthil Kumar," Classroom Teaching Assessment Based on Student Emotions", , In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of the International conference on Intelligent Systems Technologies and Applications ISTA 2016, pp.475-486, 2016.
6. S Sreelakshmi, Anupa Vijai, and T. Senthilkumar, "Detection and Segmentation of Cluttered Objects from Texture Cluttered Scene," In Advances in Intelligent Systems and Computing published by Springer - from the proceedings of International Conference ICSCS 2015, Vol. 397, pp. 249-257, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).
7. Vishnu Reghu, and T. Senthil Kumar, "Gesture Controlled Automation for Physically Impaired," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015, Vol. 397, pp. 673-683, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online))

8. T. Senthil Kumar, and G. Narmatha, "Video Analysis for Malpractice Detection in Classroom Examination", In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015, Vol. 397, pp.135-146, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0
9. T.Senthil Kumar and G.Narmatha," Suspicious human activity detection in classroom examination",In Advances in Intelligent Systems and Computing-Springer from the proceedings of International Conference on Computational Intelligence, Cyber Security and Computational Models, ICC3 2015, Vol. 412, pp.99-108,2016.
10. Senthil Kumar.T,Saivenkateswaran,"Evaluation of Video Analytics for face detection and recognition",International Journal of Applied Engineering research,Vol.10,Issue9,2015,pp.24003, 2016.
11. Radhika, G., Senthil Kumar, T.,Mangayarkarasi, N., Nirmala, R." Virtual try of a jewellery using skin classifiers", In International Journal of Control Theory and Applications, Vol. 9(5), 2016, pp. 2275-2278 (ISSN: 09745572)
12. Abijith Sankar, P. Divya Bharathi, M. Midhun, K. Vijay, and T. Senthil Kumar, "A Conjectural Study on Machine Learning Algorithms," In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015, Vol.397, pp. 105-116, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).
13. G. Radhika , T. Senthil Kumar, P. Pravin Dolleth Reyner, G. Leela, and N. Mangayarkarasi, "3D Modelling of a Jewellery and Its Virtual Try-on", In Advances in Intelligent Systems and Computing published – Springer - from the proceedings of International Conference ICSCS 2015, Vol. 397, pp.157-165, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online).
14. Siva V. Girish , R. Prakash, S. N. H. Swetha, Gargi Pareek, and T. Senthil Kumar, "A Network Model of GUI-Based Implementation of Sensor Node for Indoor Air Quality Monitoring," In Advances in Intelligent Systems and Computing published - Springer, from the proceedings of International Conference ICSCS 2015, Vol. 397, pp.209-217, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online)).
15. N. M. Dhanya, T. Senthil Kumar, C. Sujithra, S. Prasanth, and U. K. Shruthi, "Pedagogue: A Model for Improving Core Competency Level in Placement Interviews Through Interactive Android Application," In Advances in Intelligent Systems and Computing published by Springer - from the proceedings of International Conference ICSCS 2015, Vol. 397, pp. 67-77, 2016 (ISBN: 978-81-322-2669-7 (Print) 978-81-322-2671-0 (Online))

16. Suganya.R, Rajaram.S, Vishalini.S, Meena.R, Senthil Kumar.T ,” Dental image retrieval using fused local binary pattern & scale invariant feature transform”, In Advances in Intelligent Systems and Computing published by Springer-from the proceedings of 2nd International Symposium on Signal Processing and Intelligent Recognition Systems, SIRS 2015, Vol. 425, pp. 215-224,2016.
17. Nirmala.R, Senthil Kumar Thangavel, "Develop, implement and evaluate a multimodal system for government organization”, Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017, pp.111-117,2017
18. D.Kavin, Senthil Kumar Thangavel,"Improving capabilities for visually challenged person in library environment" Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017, pp.1-10,2017
19. K.S.Gautam, Senthil Kumar Thangavel,"Hidden object detection for classification of threat", Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017,pp.253-263,2017
20. Manesh Murthi, Senthil Kumar Thangavel,"A semi-automated system for smart harvesting of tea leaves",Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017,pp.273-282,2017
21. Abijitk Sankar,P. Divya Bharathi, Senthil Kumar Thangavel "Student placement analyzer: A recommendation system using machine learning”, Proceedings of 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017,pp.400-410,2017.
22. Haritha H., Senthil Kumar T.,” Survey on various traffic monitoring and reasoning techniques”, Advances in Intelligent Systems and Computing,pp.507-516,2017
23. Venkatesh Kumar U., Senthil Kumar Thangavel,” Deep learning for I2V communication using moving QR code”, Journal of Advanced Research in Dynamical and Control Systems, Vol.9, pp.892-899, 2018
24. Anand Muraleedharan, Geetha, Senthil Kumar Thangavel,” Deep learning for driver assistance using estimated trajectory complexity parameter”, Journal of Advanced Research in Dynamical and Control Systems,Vol.9,pp.871-879, 2018

25. Kela Ranjith Ramakrishnan, Senthil Kumar Thangavel, "" Deep Learning for Identification and Validation of objects and data viewed through vehicle windshield in Lab Environment – a D-CNN approach", Journal of Advanced Research in Dynamical and Control Systems, pp.880-891, Vol.9, 2018.
26. Senthil Kumar Thangavel, Nirmala Rajendran, karthikeyan Vaiyapury, "Defocus Map Based Segmentation of Automotive Vehicles", In Lecture Notes in Computational Vision and BioInformatics, published by Springer-from the proceedings International Conference on ISMAC in Computational Vision and Bio-Engineering 2018(ISMAC-CVB), Vol. 425, pp. 131-150,2019.
27. Senthil Kumar Thangavel, Nirmala Rajendran, Karthikeyan Vaiyapury, "Defocus Map Based Segmentation of Automotive Vehicles", In Lecture Notes in Computational Vision and BioInformatics, published by Springer-from the proceedings International Conference on ISMAC in Computational Vision and Bio-Engineering 2018(ISMAC-CVB), Vol. 425, pp. 131-150,2019.
28. Senthil Kumar Thangavel, Nirmala Rajendran, Karthikeyan Vaiyapury, "Defocus Map Based Segmentation of Automotive Vehicles", In Lecture Notes in Computational Vision and BioInformatics, published by Springer-from the proceedings International Conference on ISMAC in Computational Vision and Bio-Engineering 2018(ISMAC-CVB), Vol. 425, pp. 131-150,2019.
29. K.S.Gautam, Senthil Kumar Thangavel, "Video analytics-based intelligent surveillance system for smart buildings", Springer Soft computing , pp.2813-2837, 2019 (**Impact Factor - 2.367**)
30. K. S. Gautam , Senthil Kumar Thangavel, "Video analytics-based facial emotion recognition system for smart buildings", International Journal of Computers and Applications, Taylor and Francis, pp.1-10, 2019.