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Research Area: Machine learning, Wireless Networks, Big Data Analytics

List of Journal Publications

1. K. S. Gautam and Dr. Senthil Kumar T., "Video analytics-based intelligent surveillance system for smart buildings", Soft Computing, vol. 23, pp. 2813-2837, 2019.

2. K. R. Ramakrishnan and Dr. Senthil Kumar T., "Deep learning for identification and validation of objects and data viewed through vehicle windshield in lab environment – a DCNN approach", Journal of Advanced Research in Dynamical and Control Systems, vol. 10, pp. 880-891, 2018.

3. V. U. Kumar and Dr. Senthil Kumar T., "Deep learning for I2V communication using moving QR code", Journal of Advanced Research in Dynamical and Control Systems, vol. 10, pp. 892-898, 2018.

4. A. M. Geetha and Dr. Senthil Kumar T., "Deep learning for driver assistance using estimated trajectory complexity parameter", Journal of Advanced Research in Dynamical and Control Systems, vol. 10, pp. 871-879, 2018.

5. K. D. Kumar and Dr. Senthil Kumar T., "Assisting visually challenged person in the library environment", Lecture Notes in Computational Vision and Biomechanics, vol. 28, pp. 722-733, 2018.

6. H. Haritha and Dr. Senthil Kumar T., "Survey on various traffic monitoring and reasoning techniques", Advances in Intelligent Systems and Computing, vol. 573, pp. 507-516, 2017.

7. A. Sankar, Bharathi, P. D., Midhun, M., Vijay, K., and Dr. Senthil Kumar T., "A conjectural study on machine learning algorithms", Advances in Intelligent Systems and Computing, vol. 397, pp. 105-116, 2016.

8. R. G., Dr. Senthil Kumar T., Reyner, P. P. D., Leela, G., Mangayarkarasi, N., Abirami, A., and Vinayaka, K., "3D modelling of a jewellery and its virtual try-on", Advances in Intelligent Systems and Computing, vol. 397, pp. 157-165, 2016.

9. K. S. Gautam and Dr. Senthil Kumar T., "Discrimination and detection of face and non-face using multilayer feedforward perceptron", Advances in Intelligent Systems and Computing, vol. 397, pp. 89-103, 2016.

10. Dr. Senthil Kumar T. and Saivenkateswaran, Sb, "Evaluation of video analytics for face detection and recognition", International Journal of Applied Engineering Research, vol. 10, pp. 24003-24016, 2015.

11. Dr. Senthil Kumar T. and Pandey, S., "Customization of recommendation system using collaborative filtering algorithm on cloud using mahout", Advances in Intelligent Systems and Computing, vol. 321, 2015.

12. Dr. Senthil Kumar T., Vishak, J., Sanjeev, S., and Sneha, B., "Cloud Based Framework for Road Accident Analysis", International Journal of Computer Science and Mobile Computing, vol. 3, pp. 1025 - 1032, 2014.

13. Dr. Senthil Kumar T., Suresh, A., Pai, K. Kiron, and Chinnaswamy, P., "Survey on Predictive medical data analysis", Journal of Engineering Research & Technology, vol. 3, pp. 2283-2286, 2014.

14. Dr. Senthil Kumar T., Reddy, P. K. Ajay, Chidambaram, M., Anurag, D. V., Karthik, S., K. Teja, R., and N. Harish, S., "Video Recommender In Open/Closed Systems", International Journal of Research in Engineering and Technology, vol. 3, pp. 24 - 28, 2014.

15. Dr. Senthil Kumar T., Suresh, A., and Karumathil, A., "Improvised classification model for cloud-based authentication using keystroke dynamics", Lecture Notes in Electrical Engineering, vol. 309 LNEE, pp. 295-303, 2014.

List of Conference Publications

1. K. S. Sahla and Dr. Senthil Kumar T., "Classroom Teaching Assessment Based on Student Emotions", Intelligent Systems Technologies and Applications 2016. Springer International Publishing, Cham, pp. 475–486, 2016.

2. R. Suganya, Rajaram, S., Vishalini, S., Meena, R., and Dr. Senthil Kumar T., "Dental image retrieval using fused local binary pattern & scale invariant feature transform", Advances in Intelligent Systems and Computing, vol. 425. Springer, pp. 215-224, 2016.

3. Dr. Senthil Kumar T. and Narmatha, G., "Suspicious human activity detection in classroom examination", Advances in Intelligent Systems and Computing, vol. 412. Springer , pp. 99-108, 2016.

4. Dr. Senthil Kumar T., Gautam, K. S., and Haritha, H., "Debris detection and tracking system in water bodies using motion estimation technique", Advances in Intelligent Systems and Computing, vol. 424. Springer, pp. 275-284, 2016.

5. S. Sreelakshmi, Anupa Vijai, and Dr. Senthil Kumar T., "Detection and Segmentation of Cluttered Objects from Texture Cluttered Scene", Proceedings of the International Conference on Soft Computing Systems , vol. 398. Springer, pp. 249-257, 2016.

6. N.M.a Dhanya, Dr. Senthil Kumar T., Sujithra, C., Prasanth, S., and Shruthi, U. K., "Pedagogue: A Model for Improving Core Competency Level in Placement Interviews Through Interactive Android Application", in Proceedings of the International Conference on Soft Computing Systems, 2016.

7. Dr. Senthil Kumar T. and Anupa Vijai, "3D Reconstruction of Face: A comparison of Marching Cube and Improved Marching Cube Algorithm", Proceedings of the International Conference of Advances in Engineering and Technology, vol. 1. pp. 6-9, 2014.

List of Book Chapter Publications

1. S. V. Girish, Prakash, R., Swetha, S. N. H., Pareek, G., and Dr. Senthil Kumar T., "Advances in Intelligent Systems and Computing", in A Network Model of GUI-Based Implementation of Sensor Node for Indoor Air Quality Monitoring, vol. 397, New Delhi: Springer India, 2016, pp. 209–217.

2. V. Reghu and Dr. Senthil Kumar T., "Gesture Controlled Automation for Physically Impaired", P. L. Suresh and Panigrahi, K. Bijaya, Eds. New Delhi: Springer India, 2016, pp. 673–683.

3. S. V. Girish, Prakash, R., Swetha, S. N. H., Pareek, G., Dr. Senthil Kumar T., and A. Ganesh, B., "Video Analysis for Malpractice Detection in Classroom Examination", P. L. Suresh and Panigrahi, K. Bijaya, Eds. New Delhi: Springer India, 2016, pp. 209–217.

4. Dr. Senthil Kumar T. and Prakash, K. I. Ohhm, "A Queueing Model for e-Learning System", P. L. Suresh, Dash, S. Subhransu, and Panigrahi, K. Bijaya, Eds. New Delhi: Springer India, 2015, pp. 89–94.