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### **Last Five Year Publications**

#### **International Journals**

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. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.

## National & International Conferences

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.

## Book Chapter:

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. Ohm, “**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.