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**Area of Specialization:** Signal Processing, Image Processing, Networking

### **List of 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.