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Publications (Last five years)

1. Preethi Rajam, C.R., Uma Maheswari, N., Jeyanthi, S., **Somasundaram S K** (2019), "Psychological stress prediction on social media using convolutional neural network", International Journal of Recent Technology and Engineering, 8(2 Special Issue 11), pp. 3464-3468. [SCOPUS]
2. Maria Boncy J N, Shanthi D, **Somasundaram S K** (2018), "Mobility Based Self-Assessment Monitoring System For Diabetes Patients Using IoT", International Journal of Pure and Applied Mathematics, vol. 118, no. 20, pp. 3705 – 3714. [SCOPUS]
3. Dhasarathapandian S, Dhanalakshmi K & **Somasundaram S K** (2017), "A survey on various fault tolerant and resource management techniques in cloud computing framework", Advances in Natural and Applied Sciences, vol. 11, no. 7, pp. 301 – 310. [SCOPUS]
4. G Karthikeyan **& Somasundaram S K** (2017), "Detecting and Recognizing the License Plate Number for Fast Moving Vehicle Using Smearing Algorithm", Advances in Natural and Applied Sciences, vol. 11, no. 7, pp. 301 – 310. [SCOPUS]
5. **Somasundaram S K** & Alli P (2017), "A Machine Learning Ensemble Classifier for Early Prediction of Diabetic Retinopathy", Journal of Medical Systems, vol. 41, Issue 12, Article: 201, pp. 1- 25. [SCI/SCOPUS]
6. **Somasundaram S K** & Alli P (2016), "Spectral classifier with predictive rules for diagnosis and early detection of diabetic retinopathy on digital fundus images", Advances in Natural and Applied Sciences, vol. 10, no. 13, pp. 22-32. [SCOPUS]
7. Vishnu Priya V and **Somasundaram S K (**2016), "A Latent Dirichlet Allocation Algorithm for Pattern-Based Topic Filtering", Middle-East Journal of Scientific Research, 24 (Special Issue on Innovations in Information, Embedded and Communication Systems): pp.340-345.
8. G Karthikeyan & **Somasundaram S K** (2017), "Detecting And Recognizing The License Plate Number For Fast Moving Vehicle Using Smearing Algorithm", Tenth National Conference on Next Generation Technology in Computing & Communication, (NGTCC-2017), PSNA College of Engineering and Technology, Dindigul, Tamil Nadu.
9. G Karthikeyan & **Somasundaram S K** (2016), "A Survey On Blur Kernal Estimations To Identify The Number Plate Images For Fast Moving Vehicles", International conference on

computational intelligence and computing - ICCIC 2016, Apollo Engineering College, Chennai, Tamil Nadu.