

## **DOCTORAL COMMITTEE MEMBER PUBLICATIONS**

**Dr.G Suganya**  
Associate Professor,  
VIT Chennai &  
Assistant Director - Software Development Cell  
Mobile No: 98948 62359

**Area of Specialization:** Software Engineering, Machine learning

### **Journal publications**

1. P. Motarwar, A. Duraphe, G. Suganya and M. Premalatha, "Cognitive Approach for Heart Disease Prediction using Machine Learning," *2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)*, Vellore, India, 2020, pp. 1-5, doi: 10.1109/ic-ETITE47903.2020.242.
2. G. Jignesh Chowdary, Suganya. G, Premalatha. M. EFFECTIVE PREDICTION OF CARDIOVASCULAR DISEASE USING CLUSTER OF MACHINE LEARNING ALGORITHMS. JCR. 2020; 7(19): 1865-1875. [doi:10.31838/jcr.07.19.227](https://doi.org/10.31838/jcr.07.19.227)
3. Saw, Rahul & Dhanuka, Anish & Das, Shashank & Suganya, Ganesan & Mariappan, Premalatha. (2020). Ligue – Result Prediction Using Machine Learning. Journal of Advanced Research in Dynamical and Control Systems. 12. 788-794. 10.5373/JARDCS/V12SP5/20201817.
4. Suganya G, Premalatha M, Piyush Dubey, Aryan Raj Drolia, Srihari S, Subjective Areas of Improvement: A Personalized Recommendation, *Procedia Computer Science*, Volume 172, 2020, Pages 235-239, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2020.05.037>.
5. Sheikh S., Suganya G., Premalatha M. (2020) Automated Resource Management on AWS Cloud Platform. In: Vijayakumar V., Neelamarayanan V., Rao P., Light J. (eds) *Proceedings of 6th International Conference on Big Data and Cloud Computing Challenges. Smart Innovation, Systems and Technologies*, vol 164. Springer, Singapore. [https://doi.org/10.1007/978-981-32-9889-7\\_11](https://doi.org/10.1007/978-981-32-9889-7_11)
6. Suganya G, Premalatha M, Anushka Sharma, Muktak Pandya, Abhishek Joshi 2019, 'IoT based Automated Medicine Dispenser for Online Health Community using Cloud', *International Journal of Recent Technology and Engineering*, vol.7, pp.759-762...
7. Sahaaya Arul Mary S.A., Suganya G. (2016) Subset Selection in Market-Driven Product Development: An Empirical Study. In: Vijayakumar V., Neelamarayanan V. (eds) *Proceedings of the 3rd International Symposium on Big Data and Cloud Computing Challenges (ISBCC – 16')*. *Smart Innovation, Systems and Technologies*, vol 49. Springer, Cham. [https://doi.org/10.1007/978-3-319-30348-2\\_41](https://doi.org/10.1007/978-3-319-30348-2_41)
8. S.A. Sahaaya Arul Mary, G.Suganya(2015)- Requirements Prioritization – Stakeholder Identification and Participation, Volume 10,issue 34,pages 27230-27233,*International Journal of Applied Engineering Research*.
9. Premalatha, M. and V. Viswanathan, G. Suganya, M. Kaviya, and Aparna Vijaya. "Educational Data Mining and Recommender Systems Survey," *International Journal of*

*Web Portals (IJWP)* 10 (2018): 1, accessed (November 17, 2020), doi:10.4018/IJWP.2018010104

10. Suganya G, Premalatha M, Bharathiraja S and Rohan Agrawal, A Low Cost Design to Detect Drowsiness of Driver, *International Journal of Civil Engineering and Technology*, 8(9), 2017, pp. 1138–11 49
11. Mary, S. and Suganya, G. (2016) Multi-Criteria Decision Making Using ELECTRE. *Circuits and Systems*, 7, 1008-1020. 2016 doi: [10.4236/cs.2016.76085](https://doi.org/10.4236/cs.2016.76085).

## **Conferences**

1. S. S. Sodhi, A. S. Kunwar, K. Dhingra and G. Suganya, "Smart chair," 2017 International Conference on Inventive Computing and Informatics (ICICI), Coimbatore, 2017, pp. 139-148, doi: 10.1109/ICICI.2017.8365324.
2. S. Dhar, K. Pandey, M. Premalatha and G. Suganya, "A tree based approach to improve traditional collision avoidance mechanisms of hashing," 2017 International Conference on Inventive Computing and Informatics (ICICI), Coimbatore, 2017, pp. 339-342, doi: 10.1109/ICICI.2017.8365368.
3. B. SAHOO, A. MAHARANA, M. MURALI, L. SHIVANI, G. SUGANYA and M. PREMALATHA, "Low-Cost Air Sensing System," 2019 3rd International Conference on Computing and Communications Technologies (ICCCT), Chennai, India, 2019, pp. 258-267, doi: 10.1109/ICCCT2.2019.8824890.
4. G. Shanmugasundaram, V. Aswini and G. Suganya, "A comprehensive review on cloud computing security," 2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS), Coimbatore, 2017, pp. 1-5, doi: 10.1109/ICIIECS.2017.8275972.
5. Pavithra, N., et al. "Cloud based result analysis and management system using rest API." *Advances in Natural and Applied Sciences*, vol. 11, no. 7, 2017, p. 322+. *Gale Academic OneFile*, . Accessed 17 Nov. 2020.
6. Sahaaya Arul Mary, SA & Suganya, G 2014, 'Towards a Research Idea For Requirements Prioritization in SMEs', *Proceedings of National Conference on Emerging Trends in Computing and Technology*, pp.23-28.
7. Sahaaya Arul Mary, SA & Suganya, G 2010, 'Progression Towards Agility: A Comprehensive Survey', *Proceedings of IEEE International conference on Computing, Communication and Networking Technologies*(Indexed in IEEEExplore)
8. Presented a paper titled "A Study of Object Oriented Testing Techniques: Survey and Challenges" at an International Conference held on M.Kumarasamy College of Engineering and Technology, Karur. (Indexed in IEEE Explore Digital library).