

### **Journals Publications**

1. Uddagiri Harini, Veeramuth Venkatesh. (2020). A Context Aware Framework For Collision Avoidance With Deep Reinforcement Learning in VANET. *International Journal of Advanced Science and Technology*, 29(06), 4383 - 4391.
2. Venkatesh, V, Pethuru Raj, T. Suriya Praba, and R. Anushiadevi. "Cloud-Based Dempster-Shafer Theory (CDST) for Precision-Centric Activity Recognition in Smarter Environments." In *Data Engineering and Communication Technology*, pp. 881-891. Springer, Singapore, 2020.
3. Venkatesh, V., Design and development of IoT based intelligent agriculture management system in greenhouse environment. *International Journal of Engineering and Advanced Technology(IJEAT)*”, Vol 8(5S3),pp. 47-52, 2019.
4. Venkatesh, V., "Privacy-Preserving Authentication Scheme Using Reduced-Advanced Encryption Standard for Vehicular Ad Hoc Network." In *International Conference on Applications and Techniques in Information Security*, pp. 254-265. Springer, Singapore, 2019.
5. Anushiadevi, R., Veeramuthu Venkatesh, and Rengarajan Amirtharajan. "An Image Mathcrypt-A Flawless Security via Flawed Image." In *International Conference on Applications and Techniques in Information Security*, pp. 16-31. Springer, Singapore, 2019.
6. Venkatesh, V., Aravinth Raj S., Local Pattern Transformation technique for Brain Signal EEG. "International Journal of Security and Its Applications (IJSIA)", Vol. 13, No. 4, pp. 67-74, 2019.
7. Venkatesh, V., Raj, P. and Balakrishnan, P., 2020. Lightweight, Scalable and Secure Middleware for Service - Centric Context-Aware Applications. In *Advanced Computing and Intelligent Engineering* (pp. 289-299). Springer, Singapore.
8. Sharon.S., Venkatesh, V., "Survey on authentication scheme for VANET", *Journal of Emerging Technologies and Innovative Research (JETIR)*, Vol 6(5),pp. 48-50, 2019.
9. Venkatesh, V., Pethuru Raj , K. Kannan & P. Balakrishnan, "Precision centric framework for activity recognition using Dempster Shaffer Theory and Information fusion algorithm in smart environment", *Journal of Intelligent & Fuzzy Systems*, pp. 1-8, 2019. (SCI-E, IF- 1.426)
10. Venkatesh, V., Pethuru Raj , & P. Balakrishnan, "An Energy-Efficient Fuzzy Based Data Fusion and Tree Based Clustering Algorithm for Wireless Sensor Networks", *Intelligent Systems Technologies and Applications, Advances in Intelligent Systems and Computing* 683, pp. 14-27, 2018.
11. Reena.K & Venkatesh, V, "Intelligent Decision Support System for Home Automation - ANFIS Based Approach",



12. S Raghunath, D Sai Rajendra & Venkatesh, V, "Dynamic Feature Extraction Based Face Recognition using Sequential Model", International Journal of Pure and Applied Mathematics, Vol 119(18),pp. 2029 -2037, 2018.
13. C.Kishore Kumar & Venkatesh, V, "Cloud based soil monitoring and smart irrigation system using IoT and precision farming", International Journal of Pure and Applied Mathematics, Vol 119(18), pp. 2011-2020, 2018.
14. Reena.K & Venkatesh, V, "Survey on Smart Home Technologies based on Internet of Things", International Journal of Pure and Applied Mathematics, Vol 119(18), pp. 2217-2224, 2018.
15. Budime Vigneshwar Prasad, Dasararaju Saijanardhan , Palle Sai Prathap & Venkatesh, V, "Enhancing intelligence over home automation using Arduino and web", International Journal of Pure and Applied Mathematics, Vol 119(18),pp. 2039-2047, 2018.
16. Sola Sindhu, Tata Archana & Venkatesh, V, "Decentralized Trust Management Method on multi-hop Vehicular Ad-hoc Networks", International Journal of Pure and Applied Mathematics, Vol 119(18),pp. 2021 - 2028, 2018.
17. Aravinth Raj S & Venkatesh, V, "Implementation of Wireless Sensor Network with Low Cost and Low Power using Arduino and nRF24L01", International Journal of Pure and Applied Mathematics, Vol 119(18),pp. 2095 - 2103, 2018.
18. S. Imran & Venkatesh, V, "Cost Effective Air Quality Monitoring System Based on Xbee Wireless Sensor Networks", Indian Journal of Science and Technology, Vol 9(48), pp.1-4, 2016.
19. Ilayaraja & Venkatesh, V, "A Multilevel Remote Supervisory and Security Network System for Smart Home", Indian Journal of Science and Technology, Vol 9(48),pp.1-4, 2016.
20. Venkatesh, V., Vaithiyanathan, V., & Raj, P, "Blending finite automata with threading for parallel and multi -device data fusion for a new context-aware cyber physical system application framework", Biomedical Research (India), 2016(Special Issue 2), pp.S267-S270, 2016. (IF:0.5)
21. Venkatesh, V., Jagadeeswara Rao, D., Krishna Dheeraj, P., & Seethalakshmi, R, "A dynamic evidential frame work using weibull distribution - dempster shafer theory (WD-DST) for fall detection", International Journal of Pharmacy and Technology, 8(3), pp.18583-18595 2016.
22. Srilatha, V., & Venkatesh, V, "A unified framework for human activity detection and recognition for video surveillance using dezert smarandache theory," Research Journal of Pharmaceutical, Biological and Chemical Sciences, 7(1), pp.1162-1168, 2016.
23. Dhari, R. R. V., & Venkatesh, V, "RFID based smart car parking and security system using Arduino", Research Journal of Pharmaceutical, Biological and Chemical Sciences, 7(1), pp.1156-1161, 2016.
24. Santhanam, M., & Venkatesh, V, "Effective fire alarm system with real time multi sensor data fusion", Research

- Journal of Pharmaceutical, Biological and Chemical Sciences, 6(3), pp.1598-1603, 2015.
25. Nishanth Kumar, G., Kasthuri Rengan, S., Manikandan, K., & Venkatesh, V, “A system for real time monitoring and imparting emergency circumstances”, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 6(3), pp.1679-1685,2015..
  26. Manchikanti, S. K., & Venkatesh, V, “Enhancement of security protection between mobile users and media storage for multimedia applications”, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 6(3), pp.1590-1597,2015.
  27. Iswarya, G., Mahalakshmi, R., Shireesha, M., & Venkatesh, V, “Data fusion: An energy efficient perspective for device-to-device (D2D) communication”, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 6(3), pp.1698-1704,2015.
  28. Venkatesh, V., Raj, P., Vaithiyanathan, V., & Amirtharajan, R , “Smarter environments: A compact service-oriented framework for context-awareness”, Journal of Artificial Intelligence, 7(4), pp.145-160,2014.
  29. Venkatesh, V., Raj, P., Vaithiyanathan, V., & Amirtharajan, R, “Biosensors for gas detection”, A smart approach towards kitchen security. Journal of Artificial Intelligence, 7(4), pp. 172-181, 2014.
  30. Venkatesh, V., Raj, P., Vaithiyanathan, V., & Amirtharajan, R, “A new approach for enabling context-awareness towards people-centric and smarter applications”, Information Technology Journal, 13(16), pp.2602-2610, 2014.
  31. Thennarasi, P., & Venkatesh, V, “Multichannel competent routing for data accretion (MCRDA) in wireless sensor networks”, Contemporary Engineering Sciences, 7(10), pp.483-490, 2014.

32. Saranya, C., & Venkatesh, V, "Enactment of smart library management system exercising ubiquitous computing",  
ContemporaryEngineering Sciences, 7(11), pp.501-507, 2014.
33. Jayasudha, A. C., & Venkatesh, V, "Energy competent cluster based prediction framework for wireless sensor network", ContemporaryEngineering Sciences, 7(10), pp.491-499, 2014.
34. Venkatesh, V., Vaithyanathan, V., Raj, P., Reddy, G. B., & Sushma, V, "The implementation experience of a DPWS-based, error monitoring and failsafe smart home", International Journal of Applied Engineering Research, 8(20 SPEC. ISSUE), pp.2661-2666, 2013.
35. Venkatesh, V., Vaithayanathan, Y., Raj, P., Gopalan, K., & Amirtharajan, R, "A smart train using the DPWS-based  
sensor integration", Research Journal of Information Technology, 5(3), pp.352-362, 2013.
36. Venkatesh, V., Vaithayanathan, V., Raj, P., Gopalan, K., & Amirtharajan, R, "Envisioning smart hotels through spontaneous device integration", Research Journal of Information Technology, 5(2), pp.226-233, 2013.
37. Venkatesh, V., Vaithayanathan, V., Raj, P., & Amirtharajan, R, "An ambient assisted living for smart home to  
wealthy life: A short review. Research", Journal of Information Technology, 5(1), pp.1-11, 2013.
38. Ragul, M., & Venkatesh, V, "Autonomous vehicle transportation using wireless technology", International Journal of  
Engineering and Technology, 5(2), pp.811-819, 2013.
39. Prakash, S., & Venkatesh, V, "Real time monitoring of ECG signal using PIC and web server", International Journal  
of Engineering and Technology, 5(2), pp. 1047-1053, 2013.
40. Gopalan, K., Sairam, K., Nandakrishnan, R., & Venkatesh, V, "Competent smart car parking: An OSGi approach",  
Journal of Artificial Intelligence, 6(1), pp. 43-51, 2013.
41. Venkatesh, V., Vaithyanathan, V., Manikandan, B. and Raj, P, "A Smart Ambulance for the synchronized health care—A service oriented device architecture-based", In Computer Communication and Informatics (ICCCI), January 2012 International Conference on pp. 1-6, 2012.
42. V. Venkatesh, V. Vaithyanathan, M. P. Kumar, P. Raj, "A secure Ambient Assisted Living (AAL) environment: An implementation view", Proc. Int. Conf. Comput. Commun. Inf., pp. 1-7, 2012.
43. Venkatesh, V., Raj, P., & Vaithayanathan, V, " A device middleware-based smart home environment for ambient  
health care", Proc. of Global Trends in Computing and Communication Systems, Springer  
pp. 144 –153, 2012.
44. Raghuram, P., & Venkatesh, V, "Enhancing mine safety with wireless sensor networks using zigbee technology",  
Journal of Theoretical and Applied Information Technology, 37(2),  
261-267, 2012.
45. Venkatesh, V., Kumar, M. P., Vaithayanathan, V., & Raj, P, "An ambient health monitor for the

new generation

healthcare”, Journal of Theoretical and Applied Information Technology,  
31(2), 91-99, 2011.

46. Veeramuthu Venkatesh, Pethuru Raj, Kaushik Gopalan and Rajeev.T, “ Healthcare Data Fusion and Presentation using Service- Oriented Architecture (SOA) Orchestration Mechanism”, IJCA Special Issue on Artificial Intelligence Techniques - Novel Approaches & Practical Applications (2):17–23, 2011.
47. Veeramuthu Venkatesh, Pethuru Raj, V.Vaithayanathan and M.Prashanth Kumar. Article, “A Pragmatic Note on Knopflerfish-based Ambient Assisted Living (AAD) Systems Engineering”, International Journal of Computer Applications 19(8):42-47, April 2011.

### **Books chapters contributed**

- 1. Envisioning the Cloud-Induced Transformations in the Software Engineering Discipline**
- 2. Fog computing: Introduction, architecture, analytics, and platforms**
- 3. Multi-sensor Fusion for Context-Aware Applications**
- 4. Green IoT (G-IoT): An insight on Green Computing for greening the future**

### **Personal Details**

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