

LIST OF PUBLICATIONS

1. **Dr.Baskar.S**, Manogaran. G., Hsu, C. H., Kadry, S. N., Sundarasekar, R., Kumar, P. M., & Muthu, B. A. (2020). FDM: Fuzzy-optimized Data Management Technique for Improving Big Data Analytics. IEEE Transactions on Fuzzy Systems, Pages 1-1, ISSN (10.1109/TFUZZ.2020.3013646) (*SCI*).
2. **Dr.Baskar.S**, Shakeel, P. M., Fouad, H., Manogaran, G., Saravanan, V., & Xin, Q. (2020). Creating Collision-Free Communication in IoT with 6G Using Multiple Machine Access Learning Collision Avoidance Protocol. Mobile Networks and Applications, 1-12. (*SCI*)
3. **Dr.Baskar.S**, Shakeel, P. M., Fouad, H., Manogaran, G., Saravanan, V., & Montenegro-Marin, C. E. (2020). Internet of things forensic data analysis using machine learning to identify roots of data scavenging. Future Generation Computer Systems 115, 756-768. (*SCI*)
4. **Dr.Baskar.S**, Manogaran, G., Srivastava, G., Muthu, B. A., Shakeel, P. M., Hsu, C. H., & Kumar, P. M. (2020). A Response-aware Traffic Offloading Scheme using Regression Machine Learning for User-Centric Large-Scale Internet of Things. IEEE Internet of Things Journal, Page 1-1, ISSN(10.1109/JIOT.2020.3022322) (*SCI*)
5. **Dr.Baskar.S**. Shakeel, P. M., Kumar, R., Burhanuddin, M. A., & Sampath, R. (2020). A dynamic and interoperable communication framework for controlling the operations of wearable sensors in smart healthcare applications. Computer Communications, 149, 17-26. (*SCI*)
6. **Dr.Baskar.S**. Kumar, M. S., Dhulipala, V. S., (2020). Fuzzy unordered rule induction algorithm-based classification for reliable communication using wearable computing devices in healthcare. Journal of Ambient Intelligence and Humanized Computing, 1-12. (*SCI*)

7. **Dr.Baskar.S.** Gomathi, P., & Shakeel, P. M. (2020) Concurrent service access and management framework for user-centric future internet of things in smart cities. <https://doi.org/10.1007/s4047-020-00160-5> (*SCI*)
8. **Dr.Baskar.S.** Janarthanan, R., Doss, S., & (2020). Optimized unsupervised Deep learning assisted reconstructed coder in the on-nodule wearable sensor for Human Activity Recognition. *Measurement*, 164-108050. (*SCI*)
9. **Dr.Baskar.S.** Arun, K. K., Mydhili, S. K., & Shakeel, P. M. Fuzzy rule- based environment-aware autonomous mobile robots for actuated touring. *INTELLIGENT SERVICE ROBOTICS*, Volume 13, Issue 4, 2020 (*SCI*)
10. **Dr.Baskar.S.** Sundhari, R. M., Murali, L., & Shakeel, P. M. MDRP: Message dissemination with re-route planning method for emergency vehicle information exchange, Volume 13, Issue 6,2020(*SCI*)
11. **Dr.Baskar.S.** Shakeel, P. M., & (2020). Automatic Human Emotion Classification in Web Document Using Fuzzy Inference System (FIS): Human Emotion Classification. *International Journal of Technology and Human Interaction (IJTHI)*, 16(1), 94-104. (*SCI*)
12. **Dr.Baskar.S.** Shakeel, P. M., Sampath, R., & Jaber, M. M. (2019). Echocardiography image segmentation using feed forward artificial neural network (FFANN) with fuzzy multi-scale edge detection (FMED). *International Journal of Signal and Imaging Systems Engineering*, 11(5), 270-278.(*SCI*)
13. **Dr.Baskar. S.**, Mydhili, S. K., Periyannayagi, S., Shakeel, P. M., & Hariharan, P. R. (2019). Machine learning based multi scale parallel K-means++ clustering for cloud assisted internet of things. *Peer-to-Peer Networking and Applications*, 1-13.(*SCI*)
14. **Dr.Baskar. S.**, Dhote, S., Vichoray, C., Pais, R., & Shakeel, P. M. (2019). Hybrid geometric sampling and AdaBoost based deep learning approach for data imbalance in E-commerce. *Electronic Commerce Research*, 1-16.(*SCI*)

15. **Dr.Baskar.S** Sundarasekar, R., Shakee, P. M., Kadry, S., Mastorakis, G., Mavromoustakis, C. X., & Vivekananda, G. N. (2019). Adaptive Energy Aware Quality of Service for Reliable Data Transfer in Under Water Acoustic Sensor Networks. IEEE Access, Volume 7, pages 80093 - 80103 (*SCI*)
16. **Dr.Baskar.S** Manogaran, G., Shakeel, P. M., Fouad, H., Nam, Y., Chilamkurti, N., & Sundarasekar, R. (2019). Wearable IoT Smart-Log Patch: An Edge Computing-Based Bayesian Deep Learning Network System for Multi Access Physical Monitoring System. Sensors, 19(13), 3030. (*SCI*)
17. **Dr.Baskar.S** Periyannayagi, S., Shakeel, P. M., & Dhulipala, V. S. (2019). An Energy persistent Range-dependent Regulated Transmission Communication Model for Vehicular Network Applications, Volume 7, Pages 80093-80103, *Computer Networks*. (*SCI*)
18. **Dr.Baskar.S** Dhulipala, V. S., Shakeel, P. M., Sridhar, K. P., & Kumar, R. (2019). Hybrid fuzzy based spearman rank correlation for cranial nerve palsy detection in MIoT environment. Health and Technology, 1-12. (*SCIE*)
19. **Dr.Baskar.S** Shakeel, P. M., & Selvakumar, S. (2019). Retrieving Multiple Patient Information by Using the Virtual MIMO and Path Beacon in Wireless Body Area Network. Wireless Personal Communications, 1-12.(*SCI*)
20. **Dr.Baskar.S** Manogaran, G., Shakeel, P. M., Chilamkurti, N., & Kumar, R. (2019). Analytics in real time surveillance video using two-bit transform accelerative regressive frame check. Multimedia Tools and Applications, 1-18.(*SCIE*)
21. **Dr.Baskar.S** Gomathi, P., Shakeel, M. P., & Dhulipala, S. V. (2019). Numerical Function Optimization in Brain Tumor Regions Using Reconfigured Multi-Objective Bat Optimization Algorithm. Journal of Medical Imaging and Health Informatics, 9(3), 482-489. (*SCI*)

- 22. Dr.Baskar.S.** Gomathi, P., Shakeel, P. M., & Dhulipala, V. S. (2019). Identifying brain abnormalities from electroencephalogram using evolutionary gravitational neocognitron neural network. *Multimedia Tools and Applications*, 1-20. (*SCI*)
- 23. Dr.Baskar. S.,** Kirubakaran, J., Venkatesan, G. P., Kumaresan, M., & Annamalai, S. (2019). Prediction of cirrhosis disease from radiologist liver medical image using hybrid coupled dictionary pairs on longitudinal domain approach. *Multimedia Tools and Applications*, 1-19. (*SCI*)
- 24. Dr.Baskar.S.** Shakeel, P. M., Tobely, T. E. E., Al-Feel, H., Manogaran, G. (2019). Neural network based brain tumor detection using wireless infrared imaging sensor. *IEEE Access*, 7, 5577-5588. (*SCI*)
- 25. Dr.Baskar.S.** Shakeel, P. M., Dhulipala, V. S., & Jaber, M. M. (2018). Cloud based framework for diagnosis of diabetes mellitus using K-means clustering. *Health information science and systems*, 6(1), 16. (*SCI*)
- 26. Dr.Baskar.S,** & Dhulipala, V. S. (2018). Collaboration of Trusted Node and QoS Based Energy Multi Path Routing Protocol for Vehicular Ad Hoc Networks. *Wireless Personal Communications*, 103(4), 2833-2842. (*SCI*)
- 27. Dr.Baskar.S.** Shakeel, P. M., Dhulipala, V. S., Mishra, S., & Jaber, M. M. (2018). Maintaining security and privacy in health care system using learning based deep-Q-networks. *Journal of medical systems*, 42(10), 186. (*SCI*)
- 28. Dr.Baskar.S.** & Dhulipala, V. R. (2018). Implementation of Elliptical Curve Point Multiplication Over Galois Field (GF (p)) in 45 Nanometer Technologies. *Sensor Letters*, 16(8), 632-641.(*SCOPUS*)
- 29. Dr.Baskar.S.,** & Dhulipala, V. R. (2018). Biomedical rehabilitation: data error detection and correction using two-dimensional linear feedback shift register based cyclic redundancy check. *Journal of Medical Imaging and Health Informatics*, 8(4), 805-808. (*SCIE*)

30. **Dr.Baskar.S.** & Dhulipala, V. R. (2018). M-CRAFT-modified multiplier algorithm to reduce overhead in fault tolerance algorithm in wireless sensor networks. Journal of Computational and Theoretical Nanoscience, 15(4), 1395-1401. (*SCOPUS*)
  
31. **Dr.Baskar.S.** Sridhar, K. P., Shakeel, P. M., & Dhulipala, V. S. (2018). Developing brain abnormality recognize system using multi-objective pattern producing neural network. Journal of Ambient Intelligence and Humanized Computing, 1-9. (*SI*)
  
32. **Dr.Baskar.S.** & Dhulipala, V. S. (2018). Secure and compact implementation of optimized Montgomery multiplier based elliptic curve cryptography on FPGA with road vehicular traffic collecting protocol for VANET application. International Journal of Heavy Vehicle Systems, 25(3-4), 485-497. (*SCI*)
  
33. **Dr.Baskar.S** Gautami, A., Priya, S., Mythili, S., (2018). DESIGN AND IMPLEMENTATION OF CORRUGATED CIRCULAR LOOP ANTENNAS IN WIRELESS POWER TRANSFER TECHNOLOGY. IIOAB JOURNAL, 9, 26-29. (*ESCI*)
  
34. **Dr.Baskar.S,** Priya, S., Kumar, R. S., Prabha, R., (2018). OPTIMIZED DIRECT METHOD ROUTING FOR CACHE MEMORY IN RISC ARCHITECTURE. IIOAB JOURNAL, 9, 30-35. (*ESCI*)
  
35. **Dr.Baskar.S,** Hadimani, H. C., Latte, M. V., Tejomurthy, P. H. S., Dhulipala, V. S., &. (2016, February). Optimized mathematical model for cell receivers running in spatially problematic multi path channels for wireless systems in smart antennas. In 2016 International Conference on Emerging Trends in Engineering, Technology and Science (ICETETS) (pp. 1-7). IEEE. (*SCOPUS*)
  
36. **Dr.Baskar.S.** & Dhulipala, V. R. (2016). Comparative analysis on fault tolerant techniques for memory cells in wireless sensor devices. Asian Journal of Research in Social Sciences and Humanities, 6(cs1), 519-528. (*SCOPUS*)

37. **Dr.Baskar.S.** Pavithra, S., & Vanitha, T. (2015, February). Optimized placement and routing algorithm for ISCAS-85 circuit. In 2015 2nd international conference on electronics and communication systems (ICECS) (pp. 958-964). IEEE. (*SCOPUS*)