

DC MEMBER 1:

NAME : DR.S.P.SHANTHARAJAH
DESIGNATION :PROFESSOR
DEPARTMENT : SOFTWARE AND SYSTEMSENGINEERING
INSTITUTION : VIT UNIVERSITY
PLACE & PINCODE : VELLORE & 632014
MOBILE : 9488477948
E-MAIL : shantharajah.sp@vit.ac.in

Journal Publications

- S.Anguraj, S.P.Shantharajah , Jeba Emilyn.J, "A steganographic method based on optimized audio embedding technique for secure data communication in the internet of things", Computational Intelligence (WILEY Publications), Vol.36, No.2, pp.557-573, May 2020.
- Kalaivani.S, Shantharajah.S.P, Padma.T, "Agricultural leaf blight disease segmentation using indices based histogram intensity segmentation approach", Multimedia Tools and Applications (Springer Publications), Vol.79, No.13, pp.9145-59, Apr 2020.
- N.Balakrishnan, S.P.Shantharajah, "Histogram-Equalized Hypercube Adaptive Linear Regression for Image Quality Assessment", Sadhana- Indian Academy of Sciences, 44, 162, July 2019. (Springer Nature publisher)
- Arunkumar, P., Shantharajah, S.P., "Implementation of enhanced canny recognition algorithm and non - natural neural system based speech fusion for sightless persons", Multimedia Tools and Applications(Springer), pp.1-14, 2019.
- C.B.Gokulnath, S.P.Shantharajah, "Optimal body mass index cutoff point for cardiovascular disease and high blood pressure", Neural Computing and Applications (Springer), pp.1-10, 2018.
- G.Sivashanmugam, S.P.Shantharajah, NCSN Iyengar, "Avian Based Intelligent Algorithm to Provide Zero Tolerance Load Balancer for Cloud Based Computing Platforms", International Journal of Grid and High Performance Computing, Vol.11, No.4, pp.42-47, Oct 2019.
- D.Rajavel, S.P.Shantharajah, T.Padma, S.Arunkumar, "Six-face cubical key encryption and decryption based on product cipher using hybridisation and Rubik's cubes", IET Networks, Vol.7, 2018.
- C.B.Gokulnath, S.P.Shantharajah, "An optimized feature selection based on genetic approach and support vector machine for heart disease", Cluster Computing (Springer), pp.1-11, March 2018.
- S. Kalaivani, S.P. Shantharajah and T. Padma, "Double Line Clustering based Colour Image Segmentation Technique for Plant Disease Detection", Current Medical Imaging Reviews (Bentham Science Publisher), Vol.14, No.1, 2018.

- Shanmugam,G.S., Shantharajah,S.P., Sriman Narayana Iyengar, N.C, "Smart green resource conservation approach for smart IoT cloud", Journal of Computational and Theoretical Nanoscience, Vol.15, No:6-7, pp. 2069-2075, June 2018.
- Babu G.C., Shantharajah S.P., Survey on data analytics techniques in healthcare using IOT platform, International Journal of Reasoning-based Intelligent Systems, Vol.10 No.3/4, pp.183 – 196, Nov 2018.
- P.Arunkumar, S.P.Shantharajah, M.Geetha, "Improved canny detection algorithm for processing and segmenting text from the images", Cluster Computing, Springer, pp.1-7, Feb 2018.
- Devi.L, Shantharajah.S.P, "Secure medical data transmission by using collaborative neighbour based method in WBAN", World Review of Science, Technology and Sustainable Development (Inderscience Publications), Vol. 14, No.1 pp. 29 - 33, June 2018.
- S.Uma, S.P.Shantharajah, C.Rani, "Passive Incidental Alertness –Based Link Visualization for Secure Data Transmission in Manet", Journal of Applied Security Research, Vol.12, No.2, pp.304-322, April-2017.
- Devi.L, Shantharajah.S.P, NirmalKumar.A, "Authenticated and Security Maintenance in Wireless Sensor Network by Filtering Injected False Data", Journal of Scientific and Industrial Research (JSIR), Vol.75, No.12, pp.713-719, Dec 2016.
- P.Priya, S.P.Shantharajah, "Dynamic energy optimization technique in mobile cloudlet for Mobile Cloud Computing using effective offloading algorithm", Journal of Theoretical and Applied Information Technology, Vol.95, No.12, pp. 2851-2865, June-2017.
- N.Sureshkumar, S.P. Shantharajah,, X.Z.Gao, "Satellite Image Processing For Biomass Estimation using LANDSAT and ENVISAT Images", Journal of Global Pharma Technology, Vol.8, No:12, 09758542, pp.12-21, Dec-2016.
- Rajavel, S.P.Shantharajah, "Scrambling algorithm for encryption of text using cube rotation artificial intelligence technique", Journal of Biomedical Research - Computational Life Science and Smarter Technological Advancement, ISSN 0970-938X, 251-256, August 2016.
- N.Balakrishnan, S.P.Shantharajah, "An Effective Segmentation Pattern Using Multi-class Independent Component Analysis on High Quality Color Texture Images", Research Journal of Applied Sciences, Engineering and Technology, Maxwell Scientific Publication Corp, Vol.12.No.9, pp. 916-925, May 2016.
- S.Suriya, S.P.Shantharajah, "Comparison of Hybrid Approaches with Traditional Algorithms for Improving Scalability", Journal of Web Engineering, Vol.14, Issue.No-3&4, 286-300, 2015.
- D.Madhusubram, S.P.Shantharajah, "A Predictive Users Preference Identification Technique to Improve Web Users Query Relational Processing", Journal of Theoretical and Applied Information Technology, Vol.67,No.2, ISSN:1992-8645, pp.432-442, September 2014.
- S.Suriya, S.P.Shantharajah, "An Improved Ant colony Algorithm for Effective Mining of Frequent items", Journal of Web Engineering, ISSN-1540-9589, Vol.13, No.3&4, 263-276, July 2014.

- K. Padmanabhan, S.P.Shantharajah, "EMBS: Energy efficient Multiple Base station placement in a clustered Wireless Sensor Networks", Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol.63, No.3, pp.583-589. May, 2014.
- N.Balakrishnan, S.P.Shantharajah, "Image Denoising and Contrast via Intensity Histogram Equalization Method", International Review on Computers and Software, ISSN 1828-6003, Vol.9, NO.6, pp.988-996, June 2014.
- D.Madhusubram, S.P.Shantharajah, "An Effective Collaborative Querying Using Distributed Clustering Algorithm on Multiple Domain", International Arab Journal of Information Technology, 2017.
- L.Devi, S.P.Shantharajah, "A Survey on Authentication and Security Maintenance in Wireless Sensor Network", International Journal of Computer Science and Mobile Computing, Vol. 4, Issue.5, pg.53–70, May 2015.
- L.Dhanabal, S.P. Shantharajah, "Intrusion Detection and Classification Using Hybrid Support Vector Machine and Dynamic Ant Colony Algorithm", Australian Journal of Basic and Applied Sciences, ISSN:1991-8178, 9(23), pp.328-335, July 2015.
- Srinivasan, S.P.Shantharajah, "Energy efficient Localization Technique in Wireless Sensor Network", International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, Volume 3, Issue 11, pp.148-152, November 2013.
- Srinivasan, S.P.Shantharajah, "Stability and Energy Aware Multipath Routing for Mobile Ad Hoc Networks", International Journal of Computer Applications, ISSN No. 0975 - 8887. Vol.74 - No.16, pp.18-24, July 2013.
- T.Padma , S.P.Shantharajah "Intelligent Fuzzy Analytic Hierarchy Processing Decision Support System – An aid in Expert Analysis of Shoulder and Neck Pain Occupational Risk Factors", Oriental Journal of Computer Science & Technology, ISSN No.: 2320-8481 Vol.5, No.(2), 303-313, December 2012.
- Srinivasan , S.P.Shantharajah "Fuzzy Based Load and Stability Aware Routing for Mobile Ad Hoc Networks", International Review on Computers & Software, ISSN: 1828-6003 Vol.8, No.9, pp.2262-2268, Sep2013.
- Vetrivel, S.P.Shantharajah, "Cryptanalysis of AES-128 and AES-256 Block Ciphers Using Lorenz Information Measure", International Arab Journal of Information Technology, vol.13, no.3, ISSN:1683-3198, May 2016.
- Srinivasan, , S.P.Shantharajah 'Energy and Load Aware Stability Routing For Mobile Ad Hoc Network', Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol.64, No.2, pp. 393-400, June 2014.