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Publication Details: (Last Five Years)

- 1. Dr. N.K. Karthikeyan and S.Priya " A Heurastic and ANN based classifiction model for early screening of Cervical Cancer" International Journal of Computational Intelligence Systems Volume 13 pages 1092-1100,2020.
- 2. R.Rajeev, J.Abdul Samath, N.K.Karthikeyan "An Intelligent Recurrent Neural Network with Long Short-Term Memory (LSTM) Based Batch Normalization for Medical Image Denoising", Vol:43,No 8 pp234-243, Journal of Medical Systems, Springer ISSN: 0148-5598, 2019 Impact Factor: 2.415
- 3. Subramanian Senthil arasu and Karthikeyan "Residual energy and time aware cluster based data gathering in Wireless Sensor Networks", Journal of Sensor Letters, voi17,No 2, Feb 2019,pp 150-159.
- 4. A Framework for Constraint based Web Service Discovery with Natural Language User Queries, Elsevier Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 05-Special Issue, 2018.
- 5. Saravana Balaji B, Karthikey an N K, Raj Kumar R S Fuzzy Service Conceptual Ontology System for Cloud Service Recommendation, Computers and Electrical Engineering, Elsevier 1 1-12, 2018.
- 6. A Framework for Constraint based Web Service Discovery with Natural Language User Queries, Elsevier Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 05-Special Issue, 2018.
- 7. Saravana Balaji B, Karthikey an N K, Raj Kumar R S Fuzzy Service Conceptual Ontology System for Cloud Service Recommendation, Computers and Electrical Engineering, Elsevier 1 1-12, 2018.
- 8. Epsilon-Fuzzy Dominance Sort Based Composite Discrete Artificial Bee Colony optimisation for Multi-Objective Cloud Task Scheduling Mechanisms, International Journal of Business Intelligence and Data Mining 2017
- 9. Hyper-geometric energy factor based semi-Markov prediction mechanisms for effective cluster head election in WSN'S, Journal of Intelligent and Fuzzy systems. 2017.
- 10. Gomathi B, N.K. Karthikeyan (2017) Epsilon-Fuzzy Dominance Sort Based Composite Discrete Artificial Bee Colony optimization for Multi-Objective Cloud Task Scheduling Problem International Journal of Business Intelligence and Data Mining. ISSN:1743-8195
- 11. Rajarajeswari. PL, Karthikeyan N.K, (2017) Hyper-geometric energy factor based semi-Markov prediction mechanisms for effective cluster head election in WSN'S- Journal of Intelligent and Fuzzy systems vol. 32, no. 4, pp. 3111-3120, 2017
- 12. Saravana Balaji B, **Karthikeyan N K**, Raj Kumar R S (2016), "Fuzzy Service Conceptual Ontology System for Cloud Service Recommendation", Computers and Electrical Engineering, Elsevier, http://dx.doi.org/10.1016/j.compeleceng. 2016.09.13
- 13. S. Senthil Arasu and **N. K. Karthikeyan** (2016) "**Optimized** LEHE: A Modified Data Gathering Model for Wireless Sensor Network" IIOAB Journal, Vol. 7 | 9 | pp 411-418.
- 14. K. Venkatachalam, **N.K. Karthikeyan**, (2016) 'Bridging the Semantic Gap in Web Services Discovery Through Support Vector Machines and Feedback Mechanism', Middle-East Journal of Scientific Research 24(7), pp.2239-2246.

- 15. T.Prabhakaran, N.K.Karthikeyan (2016) 'Energy Efficient Inter-Cluster Routing using PSO for WSN', Asian Journal of Information Technology (15(10), Medwell Journals, pp.1522-1530.
- 16. T.Prabhakaran, N.K.Karthikeyan (2016) 'Improving the Energy level of Node and Prevent the Cluster Head failure in WSN, Asian Journal of Information Technology (15(11), Medwell Journals, pp.1663-1669.