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# PUBLICATIONS(2015 – 2020)

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| **Patents: 03** | | |
| **1.** | **Title of Invention:** A IoT based smart water tank with automatic bathing water quality awareness alert system<br>**Application No.:** 202011030663<br>**Field of Invention:** computer science<br>**Publication date :** 28/08/2020 | **Publication Number**: 35/2020<br>**Agency:** Intellectual Property India, Government of India. |
| **2.** | **Title of Invention:** System and method for remote proctoring<br>**Application No.:** 202041026134A<br>**Field of Invention:** computer science **Publication date :** 10/07/2020 | **Publication Number**: 28/2020<br>**Page Number:** 25960<br>**Agency:** Intellectual Property India, Government of India. |
| **3.** | **Title of Invention:** Zero powered motor<br>**Application No.:** 202041021841<br>**Field of Invention:** Electrical<br>**Publication date :** 12/06/2020 | **Publication Number**: 24/2020<br>**Agency:** Intellectual Property India, Government of India. |
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| **Books Authored: 02** | | |
| 1. | **Rajesh Ganesan**, Vinayagasundaram Bala, and Mercilin Raajini Xavier (2017), *Trust Based Temporal Data Aggregation For Energy Constrained WSN*, Scholar's press Germany, ISBN: 9783330652682 | |
| 2. | **Rajesh Ganesan** and Mercilin Raajini Xavier (2019), *Digital Signal Processing*, Scholar's press Germany ISBN: 9786138916291 | |
| **Journals Articles : 15** | | |
| 1. | L.Rajesh, **G.Rajesh**, X.Mercilin Raajini, K. Martin sagayam, MohdHelmyAbdWahab, Nabihah Ahmad, “Analysis and synthesis of energy efficient techniques in cloud computing”, International journal of emerging trends in engineering research, 2020. | |
| 2. | **G Rajesh**, X Mercilin Raajini, K Martin Sagayam, Hien Dang, “A statistical approach for high order epistasis interaction detection for prediction of | |

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| 3. | **Ganesan Rajesh,** Xavier Mercilin Raajni, Kulandairaj Martin sagayam, Bharat bhushan and Utku kose, "Fuzzy genetic based dynamic spectrum allocation (FGDSA) approach for cognitive radio sensor networks", Turk J Elec Eng & Comp Sci, 2020 ; doi: 10.3906/elk-1907-206 |
| 4. | **Ganesan, R**.; Raajini, X.M.; Nayyar, A.; Sanjeevikumar, P.; Hossain, E. and Ertas, A.H. "BOLD: Bio-Inspired Optimized Leader Election for Multiple Drones", Sensors 2020, 20, 3134.**(I.F =3.031)** |
| 5. | R Swathy, B Vinayagasundaram, **G Rajesh**, Anand Nayyar, Mohamed Abouhawwash, and<br>Mohamed Abu Elsoud, "*Game theoretical approach for load balancing using SGMLB model in*<br>*cloud environment*", PLOS ONE, published by Public Library of Science. Vol. 15, Issue 4,(2020). **(I.F=2.776)** |
| 6. | **G. Rajesh** and R. Ranjitha, " *A Cooperative Game Theoretic Approach for Congestion Management in 6LoWPAN*", Journal of Information Science & Engineering, published by Institute of Information Science, Academia Sini. Vol. 35, Issue 4, pp. 737-748 (2019).**(I.F=0.525)** |
| 7. | Hien Dang, K. Martin Sagayam, P. Malin Bruntha, S. Dhanasekar, A. Amir Anton Jone, **G. Rajesh**, " *Image Fusion based on Sparse Sampling Method and Hybrid Discrete Cosine Transformation*", International Journal of Scientific & Technology Research, published by International Journal of Scientific & Technology . Vol. 8, Issue 12, pp. 1103-1107 (2019).**(SCOPUS)** |
| 8. | **Rajesh G**, Vamsi Krishna C, Christopher Selvaraj B, Roshan Karthik S, Arun Kumar Sangaiah, " *Energy Optimized Cryptography (EOC)for Low Power Devices in Internet of Things*", International Journal of High Performance Systems Architecture, published by Inderscience .(2018). **(SCOPUS)** |
| 9. | **G.Rajesh**, X.Mercilin Raajini, B. Vinayagasundaram, "*fuzzy trust based aggregator sensor node election in internet of things (FTBA)*", International Journal of Internet Protocol Technology, published by Inderscience publishers. Vol. 9, Issue 2, pp. 151-160 (2016). |
| 10. | **G. Rajesh**, B. Vinayaga Sundaram, C. Aarthi, "Tree Based Data Aggregation to Resolve Funneling effect in wireless sensor network", International Journal of Computer, Electrical, Automation, Control and Information Engineering, published by World Academy of Science,Engineering and Technology. Vol. 9, Issue 3, pp. 860-865 (2015). |
| 11. | **G. Rajesh**, B. Vinayaga Sundaram,S.Mathivanan, "Data Aggregation In Noisy Wireless Sensor<br>Networks using Chaos Theory", Special issue on Applications of Soft Computational Approaches in Bioinformatics, published by IIOAB Journal. Vol. 9, Issue 3, pp. 16-23 (2015).**( ESCI)** |
| 12. | **G.Rajesh** ,Dr.B.Vinayaga Sundaram, S.Sahana, J.Ashwinth "Data Aggregation By Energy Efficient Optimal Node Positioning And Compression" International Journal Of Applied Engineering Research (IJAER) , Volume 10, Number 32 (2015) , P.23381-23386 ,ISSN 0973-4562 , 2015**(SCOPUS).** |
| 13. | **G. Rajesh**, B. Vinayagasundaram, C. Aarthi " A Time Based Aggregation To Resolve Funneling Effect In Hybrid Wireless Sensor Network (Taf)" , International Journal Of Applied Engineering Research (IJAER) , Volume 10, Number 32 (2015) , P. 23476-23481, ISSN 0973-4562 , 2015**(SCOPUS).** |
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| **Conferences : 03** | |
| 1. | **G.Rajesh**, X. Mercili raajini, R.Ashoka Rajan, M.Gokuldhev.C. Swetha, **(2019)**"A multi-objective routing optimization using swarm intelligence in IoT networks" International Conference on Technology Innovation and Data Sciences,Lincol university, KL, Malaysia. |
| 2. | **G.Rajesh**, T.Ramakrishnan, S.Shreevignesh, B.Vinayagasundaram, X.Mercilin Raajini, **(2018)** " Achieving QoS in GSM Network by Efficient Anomaly Mitigation and Data Prediction Model", Ninth International Conference on Advanced Computing (ICoAC), India. |
| 3. | G.Rajesh, ,C.Swetha, R.Priyanka, R.Vaishnavi, **(2017)**" Congestion Control in 6LoWPAN Networks using Fuzzy Logic (FLCC)", Ninth International Conference on Advanced Computing (ICoAC)", ISBN 978-1-5386-4349-5, India. |