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LIST OF PUBLICATIONS OF Dr. G.RAJESH

## **FUNDED PROJECTS**

S.No	Title	Funded by	Duration	Grant in INR
1	An Energy Efficient approach for Concurrent Data Aggregation and Query Processing in Wireless Sensor Networks.	Young faculty Research scheme, Anna University	2012-2013	50,000
2	Smart Crib	CTDT, Anna University	2013	25,000
3	Automated car using acoustic sensors	CTDT, Anna University	2015	25,000
4	Fuzzy based classification and health monitoring of leaves	CTDT, Anna University	2016	25,000
5	Virtual Proctoring system using IoT	CTDT, Anna University	2019	25,000

## **PUBLICATIONS**

	Patent	s: 02
1.	Title of Invention: A IoT based smart water tank with automatic bathing water quality awareness alert system Application No.: 202011030663 Field of Invention: computer science Publication date: 28/08/2020	Publication Number: 35/2020 Agency:IntellectualPropertyIndia,Governme nt of India.
2.	Title of Invention: System and method for remote proctoring Application No.: 202041026134A Field of Invention: computer science Publication date: 10/07/2020	Publication Number: 28/2020 Page Number: 25960 Agency:IntellectualPropertyIndia,Governme nt of India.

3.	Title of Invention: Zero powered motor Application No.: 202041021841 Field of Invention: Electrical Publication date: 12/06/2020	Publication Number: 24/2020 Agency:IntellectualPropertyIndia,Governme nt of India.
	Books	Authored: 02
1.	Rajesh Ganesan, Vinayagasundaram Bala, and Mercilin Raajini Xavier (2017), <i>Trust Based Temporal Data Aggregation For Energy Constrained WSN</i> , Scholar's press Germany, ISBN: 9783330652682	
2.	Rajesh Ganesan and Mercilin Raajini Xavier (2019), Digital Signal Processing, Scholar's press Germany ISBN: 9786138916291	
	Edited	Books: 02
1.	G Raiesh X Mercilin Raajini, and Dan	g Thi Thu Hien <b>(2020)</b> , Industry 4.0 Interoperability,

Analytics, Security, and Case studies, CRC Press-Taylor & Francis Group, LLC ISBN: 978-0-367- 50112-9 (In Press) K. Suganthi, R. Karthik, G.Rajesh, and Ho Chiung Ching (2020), Machine Learning and 2. Learning in Wireless and Mobile Networking, . CRC Press-Taylor & Francis Group, LLC(In communication) **Authored Book Chapters** : 04 Khaja Muhaiyadeen, R. Hari Narayanan, C. Shelton Paul Infant and G. Rajesh (2011), 1. "Inverse Square Law Based Solution for Data Aggregation Routing Using Survival Analysis in Wireless Sensor Networks", in Communications in Computer and Information Science series, springer,pp. 573-583 (2011). Siva Sangari and Rajesh G (2020), Security and Privacy In Wireless Body Sensor 2. Networks using Light Weight Cryptography Scheme, in edited book titled Security and privacy issues in IoT devices and sensor networks, Elseiver Press.(in press) 3. G.Rajesh, X.Mercilin Raajini, K.Martin Sagayam, A. Sivasangari and Lawrence Henesey (2020), EELC: Energy Efficient Light-Weight Cryptography for IoT networks, in edited book titled Security and privacy issues in IoT devices and sensor networks, Elseiver Press.(in Siva Sangari and Rajesh G,(2020) "Data Security and Privacy Functions in Fog Computing for Healthcare 4.0", in Fog Computing for Healthcare 4.0 Environments: Technical, Societal, and Future Implications, Springer publications. Journals Articles: 19 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 diabetic macular edema". Informatics in Medicine Unlocked, Elsevier, 2020, Vol.20, pp. 100362. Ganesan Rajesh, Xavier Mercilin Raajni, Kulandairaj Martin sagayam, Bharat bhushan 3. 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 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) R Swathy, B Vinayagasundaram, G Rajesh, Anand Nayyar, Mohamed Abouhawwash, 5. and Mohamed Abu Elsoud, "Game theoretical approach for load balancing using SGMLB model in cloud environment", PLOS ONE, published by Public Library of Science. Vol. 15, Issue 4,(2020). (I.F=2.776)G. Rajesh and R. Ranjitha, " A Cooperative Game Theoretic Approach for 6. CongestionManagement in 6LoWPAN", Journal of Information Science & Engineering, published byInstitute of Information Science, Academia Sini. Vol. 35, Issue 4, pp. 737-3 748

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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	
	CosineTransformation", International Journal of Scientific & Technology Research,	
	published byInternational Journal of Scientific & Technology . Vol. 8, Issue 12, pp.	
	1103-1107 (2019). <b>(SCOPUS)</b>	

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)** G.Rajesh, X.Mercilin Raajini, B. Vinayagasundaram, "fuzzy trust based aggregator 9. sensornode election in internet of things (FTBA)", International Journal of Internet Protocol Technology, published by Inderscience publishers. Vol. 9, Issue 2, pp. 151-160 (2016). G. Rajesh, B. Vinayaga Sundaram, C. Aarthi, "Tree Based Data Aggregation to 10. ResolveFunneling 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). G. Rajesh, B. Vinayaga Sundaram, S. Mathivanan, "Data Aggregation In Noisy Wireless 11. Sensor 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) G.Rajesh ,Dr.B.Vinayaga Sundaram, S.Sahana, J.Ashwinth "Data Aggregation By 12. 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). 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). G. Rajesh, B. Vinayagasundaram, S.Mathivanan "Data Aggregation In Noisy Wireless 14. Sensor Network Using Taguchi's Approximation", International Journal Of Applied Engineering Research (IJAER), Volume 10, Number 32 (2015), P.23550-23554, ISSN 0973-4562, 2015(SCOPUS). G.Rajesh, B.Vinayagasundaram, "Energy-Efficient Sub-Clustering with Optimized Processor Speed In Wireless Sensor Networks (Esops)", Journal of Theoretical and Applied Information Technology, ISSN 1992-8645, Page No. 812-818, Vol 62, No.3, April 2014.(SCOPUS) 16. G.Rajesh, Arun Lakshman.R, Hari Prasad.L and ChandiraMouli.R, "Baby Monitoring System Using Wireless Sensor Networks", ICTACT Journal on Communication Technology, Volume: 5, Issue: 3, ISSN 2229-6948, Page No. 963-969 September 2014. B.Vinayaga Sundaram, Rajesh G, Sahiti G, Malathi R and Mary Priyanga 17. S, "An EfficientApproach for Data Aggregation Routing using Survival Analysis in Wireless Sensor Networks", International Journal of Wireless & Mobile Networks, Vol. 3, Issue 2, (2011). 18. G. Rajesh, Joe Winifred P. Rayen, J. Kamalesh, G.D. Karthik, "Localization for Mobile Sensor Networks Based on MCL method using HW Prediction", International Journal of Wireless Communication, CiiT, ISSN 0974 – 9756, April 2009. G. Rajesh, S. Arvind and V. Vivekanandan, "Low Power Localization with Location 19.

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	Conferences : 06
1.	<b>G.Rajesh</b> , X. Mercili raajini, R.Ashoka Rajan, M.Gokuldhev.C. Swetha, <b>(2019)</b> "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.		
4.	G.Rajesh, B.Vinayagasundaram, E.Athithya, (2014) "Prediction based Agglomeration (PbAG) Protocol Using Modified Kolmogorov-zurbenko Filter in Wireless Sensor Networks", International Conference on next generation Computing and Communication Technologies, Dubai, UAE, ISBN 978-93-8303-42-7.		
5.	G.Rajesh, B.Vinayagasundaram, R.ArunLakshman, L.Hari Prasad, N.Logeshwari, (2014) "Secure in-network data Aggregation for wireless sensor networks", SARC- ITR International Conference, ISBN 978-93-84209-14-8, India		
6.	G.Rajesh, B.Vinayagasundaram, G.SaravanaMoorthy(2014) "Data Fusion in Wireless Sensor Network Using Simpson's 3/8 Rule" International Conference in Recent Trends In Information Technology'2014, IEEE explore, India.		

## **RESEARCHING**

Reviewer for the Journals and Conferences
IEEE Access
Progress in Industrial Ecology, An International Journal, Inderscience.
International Journal of Advanced Intelligence Paradigms, inderscince.
Annals of Emerging Technologies in Computing (AETiC)
Advances in Science, Technology and Engineering Systems Journal (ASTESJ)
International Conference on Research in Intelligent and Computing in Engineering(RICE)
International Conference on Advanced Computing (ICoAC)
International Conference in Recent Trends In Information Technology(ICRTIT)
International Conference on Computer, Communication and Signal Processing