NAME	DR.G.RAJAKUMAR
DESIGNATION	PROFESSOR
DEPARTMENT	ECE
QUALIFICATION	B.E.,M.B.A.,M.E.,Ph.D.,D.Litt.,
SPECIALIZATION	Communication Networks ,VLSI Design Digital Image Processing
INSTITUTION	FRANCIS XAVIER ENGINEERING COLLEGE,VANNARPETTAI,TIRUNELVELI-627003
MAIL ID / CONTACT NO.	gmanly12@gmail.com +91-9894447961

LIST OF PUBLICATIONS

[1] F. Ajesh, R. Ravi, Dr.G. Rajakumar 'Early diagnosis of glaucoma using multi-feature analysis and DBN based classification' Journal of Ambient Intelligence and Humanized Computing. © Springer-Verlag GmbH Germany, part of Springer Nature 2020

[2] C Arul Rathi, Dr.G Rajakumar, T Ananth Kumar, TS Arun Samuel 'Design and Development of an Efficient Branch Predictor for an In-order RISC-V Processor 'Journal of Nano-and Electronic Physics 2020.

[3] Rajakumar G., Dr. T.Ananth Kumar, Dr. T.S. Arun Samuel, Dr. E.MuthuKumaran 'Analysis of breast cancer using gray level cooccurrence Matrix and random forest classifier' International Journal of Biomedical Engineering and Technology (IJBET) •Inderscience Publishers

[4] Rajakumar G., Dr. T.Ananth Kumar, Dr. T.S. Arun Samuel, Dr. E.MuthuKumaran 'IoT based Milk Monitoring System for Detection of Milk Adulteration' International Journal of Pure and Applied Mathematics, ISSN: 1311-8080 ,Volume 118 No. 9 ,pp 21-32, 2018 **(Scopus Index)**

[5] Rajakumar G., M.Saroja Sankari, D.Shunmugapriya and S.P.Uma Maheswari., 'IOT Based Smart Agricultural Monitoring System', ISSN: 2456-883X Asian Journal of Applied Science and Technology (AJAST) Volume 2, Issue 2, Pages 474-480, April 2018. IF: 1.805.

[6] Rajakumar G., Andrew Roobert A., 'Design of Low Power VLSI Architecture of Line Coding Schemes'in Wireless Personal Communications, ISSN: 1573-1979 (electronic version). ISSN: 1572-834X. Volume 99, pp 1455–1473,January 2018. **IF: 0.951. Springer Journals (Anna University Listed Annexure- I Journal). (Scopus Index)**

[7] Rajakumar G., Andrew Roobert A., 'Low Power VLSI Architecture Design of BMC, BPSC and PC Schemes' in Analog Integrated Circuits and Signal Processing, October 2017, Volume 93, Issue 1, pp 169–178, ISSN: 1573-1979 (electronic version). July 2017. **IF: 0.623. Springer Journals (Anna University Listed Annexure- I Journal). (Scopus Index)**

[8] Rajakumar G., Andrew Roobert A., 'Low Power VLSI Schematic Design of PC/BPSC Generation and Degeneration' in Asian Journal of Research in Social Science and Humanitics, Vol. 7, No. 2, February 2017, Page No. 160-164, ISSN1682-3915. **(Scopus Index)**

[9] Rajakumar G, Princy.E 'Globally Synchronous and Asynchronous Router for Dynamic Virtual Channel NoC System' International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE), Vol. 2, Issue: 12, December 2016, ISSN Number: 2454-9762 (Online).

[10] Rajakumar G, 'TCP VEGAS Performance in Wireless ADHOC Networks' International

Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 3, Special Issue: 3, April 2016, ISSN Number: 2394-3785 (Online). **(Scopus Index)**

[11] Rajakumar G, Andrew Roobert A., 'Area and Power Optimized Hardware Design of Bi-Phase Space Coding Technique / Phase Coding Technique for Wireless Sensor Applications' in Asian Journal of Information Technology, 15(19); Page No.3657- 3663, 2016, ISSN 1682-3915. **(Scopus Index)**

[12] G. Rajakumar, S.Karthigai lakshmi, 'Design and Analysis of Sequential Circuits Using Nanotechnology Based Quantum Dot Cellular Automata', Journal of Nanoelectronics and Optoelectronics, Volume 10, Number 5, pp. 601-610, October 2015, ISSN: 1555-130X (Print), **(Anna University Listed Annexure- I Journal). (Scopus Index)**

[13] G.Rajakumar, N.Ebenesarjebadurai,' Design of TRFF based on Merging Method for Memory Circuits', International Journal of Applied Engineering Research, Vol. 10, No.14, Page No.11928- 11933, April 2015, ISSN 0973-4562. **(Scopus Index)**

[14] G.Rajakumar, S. Jeslin,' Ultra Low Power Design Using Average 8T Differential Sensing Sub-Threshold SRAM', International Journal of Applied Engineering Research, Vol. 10, No.4 , Page No.11353- 11359, April 2015, ISSN 0973-4562. **(Scopus Index)**

[15] G.Rajakumar, Kabilan R, Esther Leethiya Rani S,' A Combined Face Recognition Approach Based on LPD and LVP' ARPN Journal of Engineering and Applied Sciences, Page No. 2577-2581, Vol. 10, No. 6, April 2015, ISSN 1819-6608. **(Scopus Index)**

[16] G.Rajakumar, Kabilan R, Jenniefer J. Sherine R,' An Improved VLSI Architecture Using Wavelet Filter Bank for Blur Image Applications', ARPN Journal of Engineering and Applied Sciences, Page No. 2979- 2983, Vol. 10, No. 6, April 2015, ISSN 1819-6608. **(Scopus Index)**

[17] G.Rajakumar, Sudalai Utchimahali. C,' VLSI Based Color Interpolation Algorithm for Real Time Image Applications', ARPN Journal of Engineering and Applied Sciences. Vol. 10, No. 7, Page No. 2979-2983, April 2015, ISSN 1819-6608. **(Scopus Index)**

[18] G.Rajakumar, Blesslin Jebitha.G,' Transmission of Secret Image Using Visual Secret Sharing Scheme' International Journal of Applied Engineering Research, Vol. 10, No.20 , Page No.16377- 16380, April 2015, ISSN 0973-4562. **(Scopus Index)**

[19] G.Rajakumar, M. Parvin Banu, I. Uma Sankari, N. Juki parsana, G.R. Prathisha,'Lip-Password Based Security System' International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol. II, Special Issue I, Page No. 582- 588, March 2015, ISSN Number: 2394-3785 (Online). **(Scopus Index)**

[20] G.Rajakumar, P. Thayammal,' Radix-4 and Radix-8 Multiplier Using Verilog HDL', International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 1, Issue: 1, Page No. 21-26, September 2014, ISSN Number: 2394-3785 (Online). **(Scopus Index)**

[21] G.Rajakumar, M.Prem Kumar,' Implementation and Path Selection under Budget Constraints Using Cognitive Radio Networks', International Journal of Communication and Computer Technologies (IJCCT),Volume 02, No.1, Issue: 05, Page No. 1-6, May 2014. ISSN Number: 2278-9723. **(Scopus Index)**

[22] G.Rajakumar, Dr.D.Manimegalai, "VLSI Implementation of DIP Based Edible Oil Adulteration Identification", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 3 Issue 5, Page No 771 – 777, May 2013, ISSN: 2277 – 128X. Impact Factor: 2.081.

[23] G.Rajakumar, Dr.D.Manimegalai, "Design and VLSI Implementation of DIP Based Rod Quality Inspection", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 2, Issue 3, Page No.198-204, March 2013, ISSN: 2278 – 1323.