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Area of specialization: Low power VLSI, Embedded systems

Papers Published in International Journals:

S. No.	Title of the Paper	Name of the Journal	Authors	Volume/ Pages
1.	FPGA Implementation of Fused Add-Multiply Unit Using Efficient Adder Topologies	International Journal of Applied Engineering and Research	B.Sargunam and S.Srinitha	Vol. 10, No. 6, pp. 14235-14246, 2015.
2.	Wireless Patient Monitoring System with Electronic Notice Board	International Journal for Trends In Engineering & Technology	R.MiruthuBashini, K.Thaijalnayaki, S.Priyadharshini, A.Swethapushpa and Dr.B.Sargunam	Vol. 14, Issue 1, pp. 95-98, 2016.
3.	Real Time Tracking System using Bluetooth	Journal of Applied Science and Computations	Dr. B. Sargunam, S. Anusha	Volume VI, Issue V, pp.3847-3850, 2019.
4.	Voice Based Notice Board using Android Application	Journal of Applied Science and Computations	S. Gousalya, K. Jayasurya, M. Kiruthika, Dr.B.Sargunam	Volume VI, Issue V, pp.3877-3879, 2019.
5.	Detecting Multi-Class Artifacts in Endoscopic Images using YOLOv3	International Journal of Recent Technology and Engineering (IJRTE)	N.Kirthika, Dr.B.Sargunam	Volume-9, Issue-1, pp.2578-2583 May 2020
6.	Fifth Gen Control for Industrial Wet Grinders	International Journal of Engineering Research & Technology (IJERT)	Meenakshi Subramanian, Dr.B.Sargunam, Akalya.A, Deshika.P	Vol. 9, Issue 08, pp.585-589 August-2020

Papers Presented in International Conferences:

1. Presented a paper titled “Area Effective and Speed Optimized Fused Add-Multiply Unit”, **IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS’15)**, 2015.
2. Presented a paper titled “LPG monitoring and Security System”, International Conference on Trends in Engineering & Technology, 2016.
3. Presented a paper titled “Wireless Patient Monitoring System with electronic Notice Board”, International Conference on Trends in Engineering & Technology, 2016.
4. Presented a paper titled “Domestic LPG level Monitoring and Safety System”, International Conference on Latest Trends in Science, Engineering and Technology, 2018.
5. Presented a paper titled “IoT Based Air Compressor Monitor System”, International Conference on Latest Trends in Science, Engineering and Technology, 2018.
6. Presented a paper titled “IOT Based Mobile Medical Application for Smart Insulin Regulation”, **IEEE International Conference on Electrical, Computer & Communication Technologies (IEEE ICECCT 2019)**, 2019.
7. Presented a paper titled “A Survey on Low Power Multiplier Design using Efficient Full Adder”, International Conference on Emerging Trends in Wireless Communications, Signal Processing and Networking, (ICETWSN’19), 2019.