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Last Five Year Publications

1. R.Kiruthika,**T.Kavitha**, “An efficient architecture in clock gating using wide spreadadapting technique”, International Journal of Advanced and Innovative Research (IJAIR),Volume 4, Issue 2,February 2015.
2. N.Abrosebanu,**T.Kavitha**, “A Two Dimensional Threshold Voltage Analytical Modelling and Simulation of Multigate MOSFETs for Low Power VLSI Applications” International Journal of Applied Engineering Research, pp.17355-17359,Volume 10, Number 20 (2015), Special Issue (SCOPUS Indexed)
3. R.Kiruthika,**T.Kavitha**and AravinthaRajan“Clock Gating Optimization Technique Using Buffer Gates” International Journal of Applied Engineering Research (IJAER) pp.17940-17944, Volume 10, Number 20 (2015), Special Issue (SCOPUS Indexed)
4. B. Kayalvizhi, N. Anies Fathima and **T. Kavitha** “Booth Recoded Wallace Tree Multiplier Using and Based Digitally Controlled Delay Lines” ARPN Journal of Engineering and Applied Sciences, pp, 2707-2713, Volume. 10, NO. 6, April 2015 (SCOPUS Indexed)
- 5.**T.Kavitha**, S.Shiyamala,A.Farithkhan and J.Gnana Arun Johnson “Designing the Antenna for ISM band Application” International Journal of Applied Engineering Research,Vo.10, No.19,pp:40197-40202, 2015. (SCOPUS Indexed)

6. **T. Kavitha**, S.Shiyamala and P.Nagarajan, "FPGA implementation arbiters algorithm for network-on-chip", ARPN Journal of Engineering and Applied Sciences, Vol 11, No 19, Oct 2016.(SCOPUS Indexed)
- 7.P.Nagarajan, **T. Kavitha**and.S.Shiyamala, "Efficient Timing Element Design Featuring Low Power VLSI Applications", International Journal of Engineering and Technology, Vol 8, No 4, Aug 2016. (SCOPUS Indexed)
- 8.**T. Kavitha**, Shiyamala S. and V.Rajamani "Multipath Routing and Wavelength Assignment Technique in Optical WDM Mesh Networks", Journal of Optical Communications, Vol.38 , Issue 4, Dec 2017, (SCOPUS Indexed)
- 9.S.Shiyamala**T. Kavitha**, and P.Nagarajan, "Real Time Motion Detection and Tracking System by Kalman Filter", Journal of Theoretical and Applied Information Technology Vol.96, No. 16, Aug 2017. (SCOPUS Indexed)
10. S.Shiyamala, **T. Kavitha**, "Real Time Monitoring and Controlling Device for Elderly Personnel with Hypoglycemia", International Journal of Electronics, Electrical and Computational System, Vol. 6, No. 9,2017.
11. **T.Kavitha**, S.Shiyamala, , "Routing Protocols of Wireless Sensor Networks and Unmanned Aerial Vehicle", International Journal of Electronics, Electrical and Computational System, Vol. 6, No. 9,2017.
12. **T.Kavitha**S.Shiyamala, "Inverted dual U slot loaded truncated microstrip patch antenna for wireless applications",, International Journal of Engineering and Technology, Vol 7 , No 2.21 , 2018. (SCOPUS Indexed)
13. S.Shiyamala, **T. Kavitha**, P.K.Kowsalya "Improving the durability of the surveillance monitoring network", International Journal of Engineering and Technology, Vol 7, Issue 3, pp 956 -959, 2018 (SCOPUS Indexed)
14. S.Shiyamala, **T. Kavitha**, "Design of low delay ring oscillator using CMOS", International Journal of Engineering and Technology. Vol 7, Issue 3, pp 334 -336, 2018(SCOPUS Indexed)
15. S.Shiyamala, **T. Kavitha**, "A modified MAP decoder architecture for low power consumption and delay using unfolded technique", Journal of Advanced Research in Dynamical and Control Systems, Vol 10, Issue 9, pp 1159 -1166, 2018 (SCOPUS Indexed).
16. **T.Kavitha**, Diwakar.K, S.Shiyamala, "Upper bounds on integrators of signal dependant delta-sigma ADC", Journal of Advanced Research in Dynamical and Control Systems, Vol 10, Issue 9, pp 1116-1120, 2018 (SCOPUS Indexed).
17. **T Kavitha**, A Prem Kumar and A SowmithPerformance Analysis of Single Side BandOrthogonal Frequency Division Multiplexing in Radio over Fiber System with Direct and External Modulation Schemes, 2019 (SCOPUS Indexed).

18. **T.Kavitha**, Reshma Pavani, "Dense Wavelength Division Multiplexing using Dispersion Fibre with Erbium Doped Fiber Amplifier", International Journal of Innovative Technology and Exploring Engineering, Volume-8 Issue-11, September 2019.
19. A.Arulmary, V.Rajamani, **T.Kavitha**, " Study of uniformly doped nano scale single-walled CNTFET under dark and illuminated conditions" Microelectronics Journal(Elsevier), Vol.10, pp:1-6, 2020.
20. **Kavitha T.**, Prabhakar Reddy K., Sravani J. "Performance investigation of fiber to the home (FTTH) ingress network based on GPON with optisystem",Advances in Smart System Technologies, Springer,Vol.1163 pp 95-101, 2020.
21. **T.Kavitha**, P.Nagarajan, A.Arulmary, "Radio Over Fiber On Gigabit Passive Optical Network Using QPSK Modulation Scheme" Journal of Optical Communications, Accepted for publication