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### **Papers Published in International Journals:**

1. T. Muthumanickam, A. Nagappan, T. Sheela, "Performance Analysis of Cryptographic VLSI Data" International Journal of Computer Networks and Wireless Communications (IJCNC), ISSN: 2250-3501, Pages 90-96, Vol. 2, No. 1, 2012.
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4. G. Ramachandran, N. Manikanda Devarajan, T. Muthumanickam, S. kannan, C. Arun Kumar Madhuvappan, PM Murali "Comparative study and Implementation of Mixed Level and Mixed Signal Simulation Using PSPICE and VHDL, International Journal of Computational Engineering Research, ISSN: 2250-3005, Vol No:2 Pages 218-228, Dec 2012.
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6. G. Ramachandran, T. Sheela, and B. Suganya Abiramavalli, T. Muthumanickam, "Low Power Modeling of CMOS Inverter and D-Flip Flop" International Journal of Computer Information Systems Vol 6, No 6, , ISSN: 2229-5208, 2013
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11. G.Ramachandran,T.Muthumanickam ,PM Murali, Sajith.S.Nair,L.Vasanth”Vedic Multiplier in VLSI for High Speed Applications” International Journal of Innovative Research in Computer and Communication Engineering, ISSN(Online): 2320 , Vol. 3, Issue 3, Pages 2353-2356,, March2015.
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13. V. Prasanth, C. Arunkumar Madhuvappan, T. Muthumanickam, T. Sheela,” GPS Based Advanced Railway Level Crossing Management System Using FPGA” International Journal of Innovative Research in Computer and Communication Engineering, ISSN (Online): 2320-9801 ISSN (Print): 2320-9798, Vol. 3, Issue 4, Pages 3172-3178, April 2015.
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38. Adars U, T.Muthumanickam,”Kerala - Live Public Transport (My BUS)”, Science, Technology and Development, ISSN: 0950-0707, Volume IX Issue III, Pg: 127-131, March 2020.
39. T.Sheela,T.Muthumanickam, , “Investigation of Precision Integrated Agriculture using Big Data Analytics” Advanced Science Letters E-ISSN:1936-7317,Volume 26,Num 05,Pg:0136-0140,May,2020.(UGC Care Listed)
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### **Papers Presented in International Conference:**

1. Kaustubh Kumar Shukla, **Dr.T.Muthumanickam** , Dr.T.Sheela “Micro and Nanosensors as a Better Monitoring System “Virtual International Conference on Research Interventions and Advancements in Plant Science and Sadguru Gadage Maharaj College, Karad and Shri Pancham Khemraj Mahavidyalaya, Sawantwadi. 15-16 June 2020.
2. G.Nilamani,**T.Muthumanickam** , “Renewable Energy Generation System for Domestic Loads with FPGA Controller Embedded with Artificial”InternationalMulti-Conference On Computing,Communication,Electrical Nanotechnology-26,27 April 2018,Organized by Mangalam College of,Kottayam,Kerala.
3. Thiagarajan.C, **T. Muthumanickam**, T. Sheela “Smart Tracker of Students (STS)” International Conference on Signal Processing, Control and data Analytics-14-15 March 2015, Organized by International Scientific Research and development(ISSRD),San Diego, USA through Virtual Participation.
4. **T.Muthumanickam**, Dr. A. Nagappan “Embedded System Based Novel Battery Charging Algorithm in a Solar Powered Robotic Vehicle” International Conference on Sustainable Approaches for Green Computing Economy & Environment,9-11 December 2013,Sponsored by Ministry of earth Sciences, IEEE Madras Section ,Indian Society of Technical Education.

5. Dr. A. Nagappan ,**T.Muthumanickam**,“Wireless Vision Based Crop Harvesting Control Technique” International Conference on Sustainable Approaches for Green Computing Economy & Environment,9-11 December 2013,Sponsored by Ministry of earth Sciences, IEEE Madras Section ,Indian Society of Technical Education.
6. K.Elamathi,G.Ramachandran,**T.Muthumanickam**,G.Sureshkumar,B.Nandhakumar,S.Akashraj: Automoted Brain MR Image segmentation using Modified Fuzzy Algorithm” International Conference on Electrical,Electronics and Communication Networks(IECN-13), Adithya Institute of Technology,Coimbatore,2013
7. **T. Muthumanickam**, A. Nagappan, T.Sheela, “Analysis of High Performance VLSI for Telecommunication Data” International Conference on Electrical, Computer, Electronics and Communication Engineering (ICECECE 2011), ISSN 2010-376X, Pages 1744-1747., Issue 60, Bangkok, Thailand, 25-26 December 2011.

#### **Papers Presented in National Conference:**

1. **T.Muthumanickam**,.A.Nagappan, “High Performance Architecture Optimization by Using AES Rijndal Algorithm” National Conference on Optimization Techniques in Engineering and technology-“VMKV Engineering College, 28 & 29 March 2008.
2. Rijo Sebastian, **T.Muthumanickam** , Zigbee Controlled Mobile Robot for Human Detection and Tracking” Second National Conference on Convergent Communication Technologies (NCCCT-2010)- 5 & 6 August 2010, Sponsored by IEEE Madras Section, BSNL Salem and Apollo Telemedicine and Network foundation Chennai.
3. M.Rajganesh,**T.Muthumanickam**,” Radio Frequency based Water Distribution Data Acquisition System” Third National Conference on Convergent Communication Technologies and telemedicine Networking (NCCCTTN-2012)- 12 April 2012,Sponsored by IEEE Madras Section, BSNL Salem and CSIR India.
4. G.Ramachandran,**T Muthumanickam** “Designs of Approximate Floating Point Multipliers with Variable Accuracy for Error-Tolerant Applications”AICTE Sponsored National Conference on “Research Issues in Image and Signal”(NCISP-17),by Sri Ramakrishna Engineering College,Coimbatore,23-24 November 2017.
5. Kaustubh Kumar Shukla, **T.Muthumanickam**, T.Sheela “Silicon Based Micro Hot Plate for sensing Applications” National Conference on Recent Trends in IOT, Machine Learning, Artificial Intelligence and its Applications (NCRIMA 2020), Sagar Institute of Research and Technology. (VOLUME-1 NCRIMA 2020. EC SIRT BHOPAL),19-20 June 2020.