

List of Publications from M.S.R.S.A.S.

Year 2010 – 11

1. Alex, S., Lokesh, A. C. & Ravikumar, N. (2010) Space Utilization Improvement in CNC Machining Unit through Lean Layout. *SASTECH Journal*, 9, No.2, pp. 31-38.
2. Anukrishnan, N., Ramya, B. & Mohan, S. (2010) Design and Development of Car Ignition Access Control System Based on Face Recognition Technique. *SASTECH Journal*, 9, No.2, pp. 63-70.
3. Arjun, J., Karthik, T.D. & Unakal, P. (2010) Design of a Quadracycle for Visitors of Botanical Garden. *SASTECH Journal*, 9, No.1, pp. 33-36.
4. Baig, M.S., Karthikeyan, B.R., Mazumdar, D. & Kadambi, G.R. (2011) Improved Receiver Architecture for Digital Beamforming Systems. Paper presented at the International Conference on Computer, Communication and Electrical Technology (ICCCET), 2011 pp. 208 – 214.
5. Bhat, R. N., Mahendrababu, N. C. & Ajith Kumar (2010) Dynamic Characterisation of a Multi Stage Axial Compressor Test Rig Rotor System. *SASTECH Journal*, 9, No.1, pp. 41-48.
6. Chakravarthi, M. R., Sharath Kumar, K. M., Siddaraju, C. & Chowdary, B. N. (2010) Lean Logistics System in Material Handling Process for Breakwater Construction. *Manufacturing Technology & Management Journal*, 4, No.3, pp. 28 - 35.
7. Deepthi, R., Bhargavi, R., Jagadeesh, K. & Vijaya, M. S. (2010) Rheometric Studies on Agarose Gel- A Brain Mimic Material. *SASTECH Journal*, 9, No.2, pp. 27-30.
8. Deshpande, S. S., Srikari, S., Banthia, V. K., Jagadeesh, K. & Chowdhary, N. (2010) Investigation of Effects of Different Braking Systems on Rail Wheel Spalling. *SASTECH Journal*, 9, No.2, pp. 1-10.
9. Hazarathiah, T., Sarojadevi, H. & Dessai, S. (2010) Design and Verification of SoC with MicroBlaze and Ethernet MAC/PHY for Networking Applications. Paper presented at the ICAICV2010 held at PSG College of Technology Coimbatore, 6-7 August 2010.
10. Kadambi, G. R., Krishnan, K. & Karthikeyan, B. R. (2010) HF Channel Estimation for MIMO Systems Based on Particle Filter Technique. *Journal of Communications*, 5, No. 9, pp. 674-683.
11. Kulkarni, P. R., Mahesh, N. S. & Doss, K. (2010) Application of DMAIC Approach for Reduction of Cutting Oil Consumption. *SASTECH Journal*, 9, No.1, pp. 27-32.
12. Mani, J. R., Gangadhar, N. D. & Reddy, V. K. (2010) A Real-Time Video Processing Based Driver Assist System. *SASTECH Journal*, 9, No.1, pp. 9-16.
13. Mukherjee, S. D., Gangadhar, N. D. & Kadambi, G. R. (2010) An Embedded System Based Control Strategy for NOx Reduction in Diesel-CNG Engines. *SASTECH Journal*, 9, No.1, pp. 57-64.
14. Nandyal, V., Vasudeva Murthy, T. & Selva Kumar, R. (2010) Design and FPGA Implementation of Reconfigurable Digital Front End Module of MIMO-OFDM for UWB System. *SASTECH Journal*, 9, No.1, pp. 79-85.

15. Nikhil, S., Mohan, S. & Ramya, B. (2010) Design and Development of DSP Processor Based Gesture Recognition System for Real Time Applications. *SASTECH Journal*, **9**, No.1, pp. 65-72.
16. Nikhil S., Mohan, S. Ramya, B. & Kadambi, G.R. (2010) Design and Development of a DSP Processor Based Reconfigurable Hand Gesture Recognition System for Real Time Applications, International Conference on Signal and Image Processing, Chennai, December 2010.
17. Nimish Kumar, Sharma, R. & Ramya, B. (2010) Design and Development of Fault Tolerant CAN-LIN Gateway for In-Vehicle Communication. *SASTECH Journal*, **9**, No.1, pp. 17-22.
18. Pandey, S., Pandey, V. & Kadambi, G.R. (2010) Integrating Power line and Wireless for Intelligent and Opportunistic Networking, *International Journal of Computer Applications*, **25**, pp. 105–110.
19. Pandey, S., Pandey, V. & Kadambi, G.R. (2010) Optimizing Delivery Mechanisms Wireless Mesh Network QOS Constraints, *International Journal of Computer Applications*, **25**, pp. 5–9.
20. Philip, B. & Mahendrababu, N. C. (2010) Numerical Estimation of Fatigue Life of Aeroengine Fan Blades. *SASTECH Journal*, **9**, No.2, pp. 47-54.
21. Rajvardhan, R. P., Shankapal, S. R. & Vijaykumar, S. M. (2010) EFFECT OF WHEEL GEOMETRY PARAMETERS ON VEHICLE STEERING. *SASTECH Journal*, **9**, No.2, pp. 11-18.
22. Rao, A. M., Karthikeyan, B. R., Mazumdar, D. & Kadambi, G. R. (2010) Energy Detection Technique for Spectrum Sensing in Cognitive Radio. *SASTECH Journal*, **9**, No.1, pp. 73-78.
23. Saha, S., Sudhindra Kumar & Jayakumar (2010) Design of a Travel Suitcase for Indian Rail Journey. *SASTECH Journal*, **9**, No.1, pp. 37-40.
24. Santhosh Kumar, V., Sridhara, S. N., Dixit, B. C. S. & Madhiraju, R. (2010) Design of Suction Bay for Balanced Performance of a Twin Pump. *SASTECH Journal*, **9**, No.1, pp. 49-56.
25. Satheesh Kumar, P., Srikari, S., Mahesh, N. S. & Reddy, S. (2010) Structural Analysis of Fiber- Filled Plastics with Moulding Process Induced Anisotropy. *SASTECH Journal*, **9**, No.2, pp. 19-26.
26. Seeba, V. S., Srikari, S. & Banthia, V. K. (2010) Design and Analysis of a Plastic Door Module for Car Body Application. *SASTECH Journal*, **9**, No.1, pp. 1-8.
27. Shankapal, S. R. (2010) Micro-Air vehicles. Invited Lecture delivered at Air Force Institute of Technology, Kaduna, Nigeria, 12th July 2010.
28. Shankapal, S. R. (2010) Simulation Driven Design for Engineering Product Development, V M Ghatge Memorial Lecture. Delivered at Aero Society of India, Bangalore, 8th November 2010,
29. Sharath Kumar, K. M. & Shankapal, S. R. (2010) Modelling Commodity Supply Chain in Higher Educational Institute. *SASTECH Journal*, **9**, No.2, pp. 39-46.
30. Shivaprashanth, H., Shobha, B. N. & Kulkarni, R. (2010) Design and Implementation of Low Power Techniques for Android Based Phone. *SASTECH Journal*, **9**, No.2, pp. 71-78.

31. Sircar, A., Ballal, V. & Deshpande, M. D. (2010) A Study of air flow and particle deposition in modelled airway of human lung. 2010 ANSYS INDIA Conference. Bangalore, 26-27 October 2010.
32. Sivaji Ganesh, C., Nagpurwala, Q. H. & Dixit, B. C. S. (2010) Effect of Leading Edge Sweep on the Performance of a Centrifugal Compressor Impeller. *SASTECH Journal*, 9, No.2, pp. 55-62.
33. Sivapragasam, M., Ramamurthy, S. Deshpande, M. D. & S. N. Sridhara (2010) Numerical and experimental investigation on a turbulent jet in annular counter-flow. 37th National and 4th International Conference on Fluid Mechanics and Fluid Power, Indian Institute of Technology - Madras, Chennai, 16 - 18 December 2010.
34. Solanki, N., Ganapathi, K. N., Vaidya, A. & Satish, V. (2010) Overall Equipment Efficiency Improvement of Turret Punching Press. *SASTECH Journal*, 9, No.1, pp. 23-26.
35. Usha, R., Malathi, S., Yedhu Krishna, Srinivas, T. & Kadambi, G.R. (2010) Design of 16 Channel Multiplexer using SOI Ring Resonator Array. Photonic Global conference-2010, Singapore, 14-16 December 2010.
36. Usha, R., Malathi, S., Yedhu Krishna, Srinivas, T. & Kadambi, G.R. (2010) Modelling Design and Analysis of SOI Micro Resonator Notch Filter for DWDM Application. Photonics-2010 - International conference on Photonics and Fiber Optics, IIT Kharagpur, 12- 14 December 2010
37. Yadav, A., Mazumdar, D. Karthikeyan, B. R. & Kadambi, G. R. (2010) Linearization of Saleh, Ghorbani and Rapp Amplifiers With Doherty Technique. *SASTECH Journal*, 9, No.2, pp. 79-86.