

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

### **Year 2011 – 12**

1. Ahirrao, A.K., Narahari, H.K., Umesh, S. & Vivek Kumar (2011) Effect of Vent Shape on Thermal Comfort of Passengers in a Car. *SASTECH Journal*, **10**, No.2, pp. 22-29.
2. Ajaykumar, S. & Cyril Prasanna Raj, P. (2011) Design and Analysis of RF CMOS Transceiver for Wireless Applications in 0.18 micron Technology, International Conference on Communication and Computational Intelligence (INCOCCI), Dec 2010. *IEEE Xplore* March 2011, pp.141-151.
3. Anudatt, A., Sandeep, N. & Gunashekar (2011) Surface Finish Improvement of the Gun Metal Pump Impeller formed by the Sand Casting Core using Taguchi Parameter Design. National Metallurgist Day and Annual Technical Meeting 2011, Hyderabad, Nov 2011.
4. Basha, Md.M, Nagpurwala, Q.H., Dixit, B.C.S., Ananthesha & Ramamurthy, S. (2011) Numerical Studies on the Effect of Impeller Cone Angle on Aerodynamic Performance of Mixed Flow Compressor, Proceedings of the 20<sup>th</sup> International Symposium on Airbreathing Engines, Goetheburg, Sweden, September 2011.
5. Bhoomika, M.J. & Shankpal, P. (2011) Development of Optical Flow and Segmentation Algorithm for Foetal Motion. *SASTECH Journal*, **10**, No.2, pp. 7-13.
6. Bhutia, C.D., Shilpa, R.G. & Sharma, P. (2011) Development of Business Information System for an Aerospace Company. *SASTECH Journal*, **10**, No.2, pp. 50-57.
7. Buddhi, J.J.K., Padmanaban, K. & Mahalingam, A. (2011) Development of a Reconfigurable IP Standardizing Environment for AXI Decoder. *SASTECH Journal*, **10**, No.1, pp. 16-23.
8. Chidanand, G., Shamasundar, S. & Mahesh, N.S. (2011) Tube Hydro Forming Process Design for SUV Long Member using Numerical Simulation Technique. National Metallurgist Day and Annual Technical Meeting 2011, Hyderabad, Nov 2011.
9. Chidanand, G., Mahesh, N.S. & Shamasundar, S. (2011) Tube Hydro Forming Process Design for SUV Long Member using Numerical Simulation Technique. *SASTECH Journal*, **10**, No.1, pp. 67-70.
10. Cyril Prasanna Raj & Abhijeet Kumar (2011) ASIC Design and Implementation of Low Power TTCAN Controller IP for Automotive Applications. *International Journal of VLSI Design*, **2**, No.1, pp. 61-66.
11. Cyril Prasanna Raj & Patil, N. C. (2010) Efficient Computation of 12-bit Pipelined ADC Using 180 nm CMOS Technology. *International Journal of VLSI Design*, **1** No.2, pp. 67-74.
12. Cyril Prasanna Raj & Lohith Kumar, H. G. (2011) Design and Performance analysis of a 3GPP LTE/LTE-Advance Turbo Decoder using Software Reference Models. *International Journal of Scientific & Engineering Research* **2**, Issue 7, July 2011.

13. Cyril Prasanna Raj & Sunil, B. M. (2011) Analysis of Wavelet for 3D-DWT Volumetric Image Compression. 3<sup>rd</sup> International Conference on Emerging Trends in Engineering & Technology (ICTET 2010), Goa, 19-21 Nov, *IEEE Xplore Jan. 2011*, pp. 180-185.
14. Cyril Prasanna Raj & Santhosh, Y. N. (2011) Design and VLSI Implementation of Interpolators/Decimators for DUC/DDC. International Conference on Emerging Trends in Engineering & Technology. *IEEE Xplore 10.1109/ICETET.2010.72*, Jan. 2011, pp. 755 – 759.
15. Cyril Prasanna Raj & Manure, S. (2011) Design and Performance Analysis of DWT / FFT Based OFDM systems. Third International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2011, Sep 14-15, Bangalore.
16. Cyril Prasanna Raj & Deepthi, H. S. (2011) Design and FPGA Implementation of Improved Lifting Scheme based DWT for OFDM Systems. Third International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2011, Sep 14-15, Bangalore.
17. Deepthi, R. & Vijaya, M.S. (2011) Studies on Ultrasound Enhanced Dye Diffusion Through Brain Mimic Material. *SASTECH Journal*, **10**, No.1, pp. 83-86.
18. Dey, D., Shilpa, R.G. & Prabhu, M. (2011) Development of HR Information System for an Aerospace Industry. *SASTECH Journal*, **10**, No.1, pp. 52-58.
19. Edacheri, D., Sudhindra Kumar & Unakal, P. (2011) Design of a Coconut Tree Climbing Device. *SASTECH Journal*, **10**, No.2, pp. 14-21.
20. Gokulkrishna, D., Sharma, R. & Narasimha Murthy (2011) Design and Implementation of a Routing Protocol for Mobile AD-HOC Networks. *SASTECH Journal*, **10**, No.2, pp.101-107.
21. Ismail, S.K., Kadambi, G.R. & Thomas, Z.S. (2011) Development and Implementation of Test Rig Setup for Integrated Center Panel. *SASTECH Journal*, **10**, No.1, pp. 30-35.
22. Jeevith, S. Gangadhar, N.D. & Santhosh Kumar, S. (2011) Design and Development of Optical Flow Based Obstacle Avoidance using CUDA. *SASTECH Journal*, **10**, No.2, pp. 36-42.
23. Kishore, R., Karthikeyan, B.R. & Shankpal, P. (2011) Development of Selective Tomography Algorithm for CT Image Reconstruction. *SASTECH Journal*, **10**, No.1, pp. 24-29.
24. Kulkarni, R.B., Ganapathi, K.N. & Kannan M.D. (2011) Reduction of Non Value Added Activities in Indirect Materials Procurement Process. *SASTECH Journal*, **10**, No.1, pp. 71-75.
25. Lourts, D. A., Likitha Dhulipalla & Cyril Prasanna Raj (2011), Design and Implementation of 32nm FINFET based 4 x 4 SRAM cell arrays. Proceedings of International Conference on Nanoscience, Engineering and Technology, Nov 2011, pp. 218-221.
26. Nagpurwala, Q.H. (2012) Aircraft Propulsion – Past, Present and Future”, Proceedings of National Conference on Thermal, Fluid and Manufacturing Science, CKPCE&T Surat, January 2012.
27. Nithin, S. & Ganapathi, K.N. (2011) Reducing Setup Time Through SMED Technique in a Die Casting Production Line. *SASTECH Journal*, **10**, No.2, pp. 84-90.

28. Nithin Prasad, R.S., Vittal Rao, K. & Nagesha, H.N. (2011) Study On Building and Other Construction Workers Welfare Schemes/Amenities in Karnataka. *SASTECH Journal*, **10**, No.1, pp. 59-66.
29. Pyati, B.N., Nagpurwala, Q.H. & Deshpande, M.D. (2011) Aerodynamic Design and Numerical Simulation of Mixed Flow Turbines with Different Cone Angles for Turbocharger Application”, Proceedings of the 38<sup>th</sup> National Conference on Fluid Mechanics and Fluid Power, MANIT Bhopal, December 2011.
30. Raghunath, D., Unakal, P. & Gopinath, C. (2011) Design of Conceptual Citrus Fruit Juicer for Hawkers in India. *SASTECH Journal*, **10**, No.2, pp. 58-66.
31. Rajesh, R., Ganapathi, K.N. & Ramesh (2011) Defect Elimination and Yield Improvement of Sleeve Casting of a Radial Drilling Machine. National Metallurgist Day and Annual Technical Meeting 2011, Hyderabad, Nov 2011.
32. Ranganath, M.S., Mahesh, N.S. & Anil Kumar, V.N. (2011) Investigation and Recommendations for Reducing the Rejections in Metal Ceramic Brake Pads. National Metallurgist Day and Annual Technical Meeting 2011, Hyderabad, Nov 2011.
33. Sandeep, P., Gopinath, C. & Mishra, M.R. (2011) Design and Development of a Conceptual Tea Leaf Harvesting Machine. *SASTECH Journal*, **10**, No.2, pp. 67-74.
34. Seshram, R., Indraprakash, G. & Ananthesha (2011) Study on the Performance and Emission Characteristics of 4 Stroke S.I. Engine using LPG/CNG as Fuel. Ricardo Software India User Conference-2011, Pune & Chennai, India.
35. Sharath Kumar, K.M. & Narahari, H.K. (2011) Estimating Net Dependence Risk from Suppliers’ Perspective using Supply Chain Analytics for DEA Evaluation. *International Review of Applied Engineering & Research*, **1**, No. 2, pp. 155 - 174.
36. Sharath Kumar, K.M. (2011) An Integrated Framework For Commodity Supply Chain In Higher Educational Institutes (HEIs). *Prabandhan: Indian Journal of Management*, **4**, No. 12, pp.1-14.
37. Shree Harsha, Srikari, S. & Suman, M.L.J. (2011) Prediction of Car Fuel Tank Behavior under Rear Impact by a Moving Deformable Barrier. *SASTECH Journal*, **10**, No.2, pp.117-124.
38. Sreekrishna, R., Karthikeyan, B.R. & Kadambi, G.R. (2011) Design and Development of a Compact Wideband Conformal Antenna for Wireless Applications. *SASTECH Journal*, **10**, No.1, pp. 36-42.
39. Sreenath, P. & Cyril Prasana Raj (2011) High Speed Memory Efficient 3D Discrete Wavelet Transform for Surveillance System. *SASTECH Journal*, **10**, No.2, pp. 2-6.
40. Sreerag, C.S., Gopinath, C. & Mishra, M.R. (2011) Design and Development of Conceptual Wheelchair cum Stretcher. *SASTECH Journal*, **10**, No.2, pp.108-116.
41. Srikari, S. & Parthasarathy, B. (2011) Study on the Effect of Cation Substitution for Hydroxyapatite Porous Coating on Titanium Substrates. National Conference on Recent Advances in Material Science, MSRIT, Bangalore.

42. Subburajan, M., Ajitkumar, B.S., Mohan, G.K. & Bhuniya, D. (2011) Enhancing the Production Capacity of 300 Ton Press by Applying Lean Principles. *SASTECH Journal*, **10**, No.1, pp. 76-82.
43. Subin, C. M., Kadambi, G.R., Roy, U.M. & Sarin, S. (2011) Design and Development of Remote Monitoring System for Data Flow and Storage of SPM using Systems Engineering Approach. *SASTECH Journal*, **10**, No.2, pp. 75-83.
44. Thomas, T.G., Srikari, S. & Suman, M.L.J. (2011) Design of Connecting Rod for Heavy Duty Applications Produced by Different Processes for Enhanced Fatigue Life. *SASTECH Journal*, **10**, No.1, pp. 1-7.
45. Timasani, R., Mahesh, N.S. & Doss, K. (2011) Reducing the Set-up Time in a CNC Machining Line using QCO Methods - *SASTECH Journal*, **10**, No.2, pp. 43-49.
46. Varghese, E., Sudhindra Kumar & Lohit, H.S. (2011) Design of Multipurpose Modular, Flexible and Space-Saving Dining Table. *SASTECH Journal*, **10**, No.2, pp.91-100.
47. Varun, D., Mazumdar, D. & Kadambi, G.R. (2011) Design and Development of a Novel Architecture for Multistage RF Down-Conversion with Improved Image Rejection and Non-Linearity Corrections for 1-10 GHz Range. *SASTECH Journal*, **10**, No.1, pp. 43-51.
48. Vijayakumar, C., Banthia, V.K. & Subbaramu, S. (2011) Redesign of a Multi-Deck Rotary Mower for Wider Cutting Width. *SASTECH Journal*, **10**, No.2, pp. 30-35.
49. Vinayaka, K.S., Ganapathi, K.N. & Gopalakrishna, V. (2011) Rejection Control and Yield Improvement in Casting using Simulation Technique. National Metallurgist Day and Annual Technical Meeting 2011, Hyderabad, Nov 2011.
50. Yerragudi, V.S., Gangadhar, N.D. & Mazumdar, D. (2011) Design and Development of a User Based Secure File System for Linux Using FUSE. *SASTECH Journal*, **10**, No.1, pp. 8-15.