

## List of Publications from M.S.R.S.A.S. Year 2012

1. Abraham, A., Ganapathi, K. N. & Motwani, K. (2012) Setup Time Reduction through SMED Technique in a Stamping Production Line. *SASTECH Journal*, **11**, No.2, pp. 47-52.
2. Anandatheertha, K. R., Narahari, H. K. & Rajan, N. K. S. (2012) Numerical Investigation of Heat Transfer in Square Duct. 14<sup>th</sup> Annual CFD Symposium; CFD Division of The Aeronautical Society of India; IISc, Bangalore; 10-11 Aug. 2012.
3. Anandatheertha, K. R., Narahari H. K. & Rajan N. K. S (2012) Numerical Investigation of Heat Transfer in Square Duct with 45° Rib-Grooved Turbulators. *SASTECH Journal*, **11**, No.2, pp. 1-6.
4. Anchatgeri, S. K., Padmanabhan, K. & Bapat, S. (2012) Validation of Low Power Format using Standard Cell Library. *SASTECH Journal*, **11**, No.1, pp. 60-66.
5. Chilukuri, S., Sharma, R., Borade, D. R. & Kadambi, G. R. (2012). Simulation Studies on an Energy Efficient Multipath Routing Protocol using Directional Antennas for MANETs. *Int. J. of Wireless & Mobile Networks*, **4**, pp. 123-140.
6. Dattukumar, Pathan, R. R. & Nagpurwala. Q. H. (2012) Effect of Trailing Edge Crenulations on Total Pressure Loss in Axial Compressor Cascade. 14<sup>th</sup> Annual CFD Symposium; CFD Division of The Aeronautical Society of India; IISc, Bangalore; 10-11 Aug. 2012.
7. Devakumar, G. & Barani, G. (2012) A Study on Consumer Behavior of Mini Pumps in Domestic Sector. *Int. J. of Research in Computer Application & Management*, **2**, Issue 8, pp. 67- 74.
8. Dharmaratnam, A., Shankpal, P. & Kishore, R. (2012) Design and Development of Haemostatic Drug Delivery System. *SASTECH Journal*, **11**, No.2, pp. 7-14.
9. Gali, Dileep Kumar, Unakal, P. & Das, S. (2012) Redesign of Grain Feeder, Distributor and Egg Collector System in Poultry Farm. *SASTECH Journal*, **11**, No.1, pp. 99-106.
10. Ghate, P., Shankpal, S. R. & Monish Gowda, M. H. (2012) Failure Investigation of a Freight Locomotive Suspension Spring and Redesign of the Spring for Durability and Ride Index. *SASTECH Journal*, **11**, No.2, pp. 23-29.
11. Hari, G., Sandeep, N. & Doss, K. (2012) Manufacturing Lead Time Reduction of Gear Box Side Frame Using Lean Principles. *SASTECH Journal*, **11**, No.1, pp. 25-32.
12. Kulkarni, C, Deshpande, M. D., Umesh, S. & Raval, C. (2012) Underhood Flow Management of Heavy Commercial Vehicle to Improve Thermal Performance. *SASTECH Journal*, **11**, No.1, pp. 10-16.
13. Laeeq, S. M., Gangadhar, N. D. & Chacko, B. G. (2012) Design and Development of an Efficient H.264 Video Encoder for CPU/GPU using Open CL. *SASTECH Journal*, **11**, No.2, pp. 30-37.
14. Limaye, V. M., Deshpande, M. D., Sivapragasam, M. & Vivek Kumar (2012) Design of Dynamic Airvents and Airflow Analysis in a Passenger Car Cabin. *SASTECH Journal*, **11**, No.1, pp. 41-48.
15. Lokesh, A. C., Mahesh, N. S., Gowda, B. & Hall, W. (2012) Life Cycle Assessment of Biodiesel Production from Pongamia Oil in Rural Karnataka. *Agriculture Engineering International: CIGR Journal*. **11**, No.3, pp. 67- 77.
16. Matathil, A., Ganapathi, K. N. & Ramachandran, K. (2012) Reduction of Scrap in an

- Electronic Assembly Line Using DMAIC Approach. *SASTECH Journal*, **11**, No.2, pp. 53-59.
17. Mohan Kumar, R., Lohit, H. S., Mishra, M. R. & Ahamed, Md. Basheer (2012) Design of Multipurpose Wheel Chair for Physically Challenged and Elder People *SASTECH Journal*, **11**, No.1, pp. 107-117.
  18. Namith, T. & Shankpal, P. (2012) Design and Development of Efficient Battery Charging and Cell Balancing for Battery Management System. *SASTECH Journal*, **11**, No.2, pp. 15-22.
  19. Pathan, R. R., Ananthesha & Nagpurwala, Q. H. (2012) Effect of J-Shaped Casing Treatment on Flow Stability and Performance of an Axial Compressor. ASME 2012 GT India Conference; IIT-B, Mumbai; 01 Dec. 2012.
  20. Patil, S. G., Martin, A. J. & Ananthesha (2012) Study on Performance Characteristics of Scuderi – Split Cycle Engine. *SASTECH Journal*, **11**, No.1, pp. 2-9.
  21. Rahul, M., Unakal, P. V. & Gopinath, C. (2012) Design and Development of a Pepper Plucking Equipment to Facilitate Pepper Harvesting. *SASTECH Journal*, **11**, No.2, pp. 74-81.
  22. Rajan, J., Ajith Kumar, B. S. & Kadloor, N. V. (2012) Specific Energy Consumption Reduction in a Carbide Cutting Tool Industry. *SASTECH Journal*, **11**, No.1, pp. 56-59.
  23. Ramesh, C. K., Srikari, S. & Suman, M. L. J. (2012) Design of Hood Stiffener of a Sedan Car for Pedestrian Safety. *SASTECH Journal*, **11**, No.2, pp. 67-73.
  24. Ravikanth, N. & Dessai, S. (2012) Design and Development of Noise Cancellation System for Android Mobile Phones. *SASTECH Journal*, **11**, No.1, pp. 33-40.
  25. Sandeep, K., Ajit Kumar & Mahesh N. S. (2012) Improving Productivity in a Heat Treatment Shop for Piston Pins. *SASTECH Journal*, **11**, No.2, pp. 38-46.
  26. Sharath Kumar, K. M., Narahari, H. K. & Rowley, J. (2012) Development of Multi-Stage Supplier Performance Evaluation using DEA and Econometrics. *Research Journal of Management Sciences*, **1**, No. 2, pp.8-14.
  27. Shivaraj, D., Cyril Prasanna Raj P., Lasitha, M. (2012) Design and Development of a Biped Humanoid Robot to Generate Dynamic Walking Pattern. *SASTECH Journal*, **11**, No.1, pp. 67-78.
  28. Shobha, B. N., Shankapal, S. R. & Kadambi, G. R. (2012) A Performance Characterisation of Advanced Data Smoothing Techniques used for Smoothing Images in Optic Flow Computations. *Int. J. of Advanced Computer and Mathematical Sciences*, **3**, pp.186-193.
  29. Singh, A., Banthia, V. K. & Gowda, M. (2012) Numerical Evaluation of a Closed Cabin of Earthmovers for Structural Rigidity and Safety. *SASTECH Journal*, **11**, No.1, pp. 49-55.
  30. Sivapragasam M., Deshpande, M. D., Ramamurthy, S. & White, P. (2012) Revisiting a Similarity Solution for a Turbulent Jet in Counterflow. 14<sup>th</sup> Annual CFD Symposium; CFD Division of The Aeronautical Society of India; IISc, Bangalore; 10-11 Aug. 2012.
  31. Smitha, S., Roy, U. M., Padmanabhan, K. & Anumolu, S. B. (2012) Design and Development of Cost Effective Virtex-5 General Purpose Board. *SASTECH Journal*, **11**, No.1, pp. 85-91.
  32. Sope S. R. & Nagpurwala Q. H. (2012) Stall Margin Improvement in a Centrifugal Compressor through Endwall Reshaping. ASME 2012 GT India Conference; IIT-B, Mumbai; 01 Dec. 2012.
  33. Sreenath, S. N., Sudhindra Kumar & Lohit, H. S. (2012) Design of an Infant Incubator for Cost Reduction and Improved Usability for Indian Health Care Centers. *SASTECH Journal*, **11**, No.2, pp. 82-89.

34. Srinivasan, S., Gangadhar, N. D. & Hariharan, R. (2012) Design and Development of Probabilistic Data Association Filters for Complete Object Refinement. *SASTECH Journal*, **11**, No.1, pp. 17-24.
35. Uma, H. S. & Venkatesh, B. S. (2012) Public Sector Reforms in Karnataka – A Case Study of the Turnaround of Mangalore Chemicals and Fertilizers through Strategic Partnership. *SASTECH Journal*, **11**, No.2, pp. 90-94.
36. Varun Raj, C., Sharath Kumar, K. M. & Bochi, D. B. (2012) Development of a Tool Management System for Energy Sector Company. *SASTECH Journal*, **11**, No.1, pp. 92-98.
37. Verma, R. K., Mahesh, N. S. & Anwar, M. I. (2012) Numerical Analysis of Powder Compaction to Obtain High Relative Density in '601AB' Aluminum Powder. *SASTECH Journal*, **11**, No.1, pp. 79-84.
38. Vutukuru, K. B. & Dessai, S. (2012) Design and Development of Stream Processor and Texture Filtering Unit for Graphics Processor Architecture IP. *SASTECH Journal*, **11**, No.2, pp. 60-66.
39. Vutukuru, K. B. & Dessai, S. (2012) Design and Development of Texture Filtering Architecture for GPU Application Using Reconfigurable Computing. *International Journal of Reconfigurable and Embedded Systems*, **1**, No. 3, pp. 108-122.