

**Technical Paper Publications by Faculty Members  
(National Conference)  
Department of Mechanical Engineering**

**Academic Year: 2016 – 2017**

S. No.	Paper
1.	Karthikeyan K, “Multi Utility Agricultural Vehical”, National conference on advances in Engineering & Technology, NCAET 2016, National Institute of Engineering and Research NIAR, ISBN-9788192958060, pp 60-67, Aug 2016.
2.	Karthikeyan K, Naga Chandrika K K, Ramya Suresh, A Studies on Mechanical Behaviour of Newly Developing Al-Based Bearing Alloy, National Conference on Advances in Materilas & Manufacturing Techniques, NCAMMT 2017.

**Academic Year: 2014 – 2015**

S. No.	Paper
1.	V.S.Shai sundaram, “Reversing of Two Stroke Engine”,Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp5, Apr-15.
2.	R. Ramadoss, “Multi Pass Stir Friction Welding”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp 7, Apr-15.
3.	V. G. Ganesan, “Design of Fixture for Holding the Advanced Differential Casing (132484)”,Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp 8, Apr-15.
4.	P. Sivaniranjan, “Modification of Existing Fixture to Reduce Scrap Rejection in a Machining Process”,Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp 8, Apr-15.
5.	V. G. Ganesan, “Bending Press and Fatigue Analysis of Connecting Rod”,Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp 9, Apr-15.
6.	S .Deepak, “Design of Circumferential Submerged Arc Welding”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp10, Apr-15.
7.	R. Ramdass, “Design and Development of Fixture in Radial Boring Machine for Impeller Cone”,Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp 11, Apr-15.
8.	A.I.Ashiq, “Design and Simulation of Automatic Manipulator for Flux Cored Arc Welding”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-11, Apr-15.
9.	R. Ramdass, ”Design and Analysis of Machining Process of Battery Retainer”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, p-12, Apr-

	15.
10.	Sathish Kumar.G.K and Ashok . K.G, “Studies on Synthesis , Characterization of Mechanical Properties Hybrid Reinforcement of Geo Polymer Composite”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-12,Apr-15.
11.	Ashok K.G and Sathish Kumar G.K, “Studies on Mechanical Properties of Natural Fiber/ Lignite Fly Ash Reinforced epoxy Composites”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-13,Apr-15.
12.	Ramadoss.R, “Forming Limit Analysis of 6061 Aluminum Alloy Using Single Point Incremental Forming”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-14,Apr-15
13.	Krishnakumari A, “A Tribological Analysis of Thin Film of Tungsten Carbide Coated AISI 316 L Stainless Steel”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 15,Apr-15.
14.	Jaichandar. S, “Design Modification of Piaggio Ape Xtra Chassis Frame by Static and Dynamic Analysis”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-15,Apr-15.
15.	Sathish Kumar.G.K , Ashok.K.G, “Effects of Mechanical Properties of Jute-Sisal/Lfa Reinforced Epoxy Polymer Hybrid Composite”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-16,Apr-15.
16.	V.Elango, “Force Analysis of Robotic Gripper”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-16, Apr-15.
17.	Jaichandar. S, “Transient Thermoelastic Analysis of Disc Brake”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-17, Apr-15.
18.	Jaichandar. S, ”Transient Thermoelastic Analysis of Disc Brake”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-17,Apr-15.
19.	V. S. Shai Sundaram, “Analysis of Heat Losses in 210 Mw Boiler in Tps-Ii, Nlc Ltd”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-18, Apr-15
20.	Mr.K.Senthilnathan, “Analysis Of Perform, Achieve and Trade (Pat) Cycle in Thermal Power Plant”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-19,Apr-15.
21.	C.Hariharan, “Elimination of Excessive Heat Developed in Turbo Charger Without Using CAC (Charged Air Cooler)”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-19,Apr-15.
22.	D.Sakthimurugan, “Analysis and Validation of Potential Causes to Eliminate Thermostat Housing Coolant Leakage Problem”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-20,Apr-15.
23.	S. Anand, “Automation of Ashok Leyland Dost Steering Column Assembly Unit”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, 20

	Apr-15.
24.	V. Elango, "Improved Manufacturing of Rotor Cover for Centrifugal Oil Cleaner", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-21, Apr-15.
25.	B. Gopinath, "Process Parameter Analysis of Wheel and Axle", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 21, Apr-15.
26.	K.G.Ashok, "Evaluation of Mechanical Properties on Natural Fiber Reinforced Epoxy Composites", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 22, Apr-15.
27.	Ramya Suresh, "Mechanical and Metallurgical Studies and Dissimilar Weld Joints", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, 22 Apr-15.
28.	G. Loganathan, "Experimental Analysis of Chromium Carbide Coating on HSS Drill Bit", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-23, Apr-15.
29.	S. Suganya, "An Assesment of Gtaw of Dissimilar Steels DSS 2205 and Stainless Steel 316", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-23, Apr-15.
30.	V. S. Shai Sundaram, "Analysis of Heat Losses in 210 Mw Boiler in Tps-Ii, Nlc Ltd." , Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-24, Apr-15.
31.	B. Gopinath, "Automation of Spring Grinding Machine", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-24, Apr-15.
32.	M.Saravanan, "Simulation and Comparison of Surface Modification in 316l Stainless Steel by Carburizing and Keat Treatment", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-25, Apr-15.
33.	B.Gopinath, "Failure Mode Effective Analysis of Pallets and Optimization of Inner Pallet of IB Front Door", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-25, Apr-15.
34.	M.Saravanan, "Vacuum Assisted Remotely Operated Water Sample Collector", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-26, Apr-15.
35.	K.G.Ashok, "Elimination of Tool Failure in Edge Cutting Machine Using Quality Control Tools and Technique", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-26, Apr-15.
36.	M.Saravanan, "Study of Characteristics and Corrosion Analysis of Stainless Steel Coated With Ti and Tio for Biomedical Applications", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-27, Apr-15.
37.	S.Jaichanda, "Process Validation and Improvement of the Assembly Line Processes of F02,

	F15, F10 & F40 Vehicle Models”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 27, Apr-15.
38.	V.Antony Aroul Raj, “Validation of Error and Uncertainty of Wheat Grain Model”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-15.
39.	K.K.Nagachandrika, “Operation Improvement in Radial Fan Shaft Manufacturing”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-15.
40.	K.Sriram,”Horizontal Deployment of Best Manufacturing Process”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 29, Apr-15.
41.	S.Vijayakumar, “Process Control and Time Reduction by Implementing Adaptor Slave Fixed in Engine Performance Test Bed”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-29, Apr-15.
42.	K. Sriram, “Process Improvement to Reduce Rejection of Reverse Gear by Designing Innovative Tool”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-30, Apr-15.
43.	K. Sriram, “Process Improvement to Reduce Rejection of Reverse Gear by Designing Innovative Tool”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-30, Apr-15.
44.	A. Deepan Raj Kumar, “Analysis and Reduction of Fuel Leakage in Inlet Circuit of A Carburator”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-31, Apr-15.
45.	S. Muthukumar, “Coating on Piston”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-31, Apr-15.
46.	S. Yogaraj, “Analysis of in House Rejection in Compressor Assembly Line”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-32, Apr-15.
47.	J. Hariprasad, “Performance Enhancement of Solar Flat Collector Using Fresnel Lens”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, 32, Apr-15.
48.	K.G.Ashok, “Evaluvation of Mechanical Properties of Luffa Cylindrica / Egg Shell Reinforced With Epoxidised Soya Bean Oil Composite”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 33, Apr-15.
49.	J.Hariprasad, “Experimental Investigation of Effect of Piston Bowl Geometry and Compression Ratio on Stationary Ci Engine Run on Alternative Fuel”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-33, Apr-15.
50.	E.Devandiran, “Analysis of Energy Conservation on Industrial and Commercial Purpose by Using Polyurethane”, Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-34, Apr-15.

51.	S.Vijayakumar, "Availability Improvement of Power Material Handling Vehicle", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-34, Apr-15.
52.	D.Balajee, "Comparitive Analysis of Performance and Combustion Characteristics of Biodiesel Blends Using Artificial Neural Network and Taguchi's Approach" Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 35, Apr-15.
53.	D.Balaje, "Computational Analysis on A Stationary VCR-Ci Engine", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 35, Apr-15.
54.	K.Sathish, "Process Improvement on New Chassis Assembly and Automation of Cabin Lifter", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-36, Apr-15.
55.	Sathish K, "Four Wheel Steering and Wheel Drive by Motor", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 37, Apr-15.
56.	S.Vijayakumar, "Quicker Opening and Closing of Gate Valve", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-37, Apr-15.
57.	A. Krishnakumari, "Root Cause Analysis on Tapering Process of Accelerator Linkage", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-38, Apr-15.
58.	K. Sathish, "Study of BS 4 Engine Implementation in U Truck", Fourth National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-38, Apr-15.
59.	E.Devandiran, V.S.Shai sundaram, "An analysis of FBC boiler performance on different types of coal", Trends and Innovations in Mechanical Engineering - TIME 2015, 2015
60.	E.Devandiran, "Influence of feed water heaters on the performance of coal-fired power plants", Fascinating Advancement in Mechanical Engineering FAME 2015, 2015

**Academic Year: 2013 - 2014**

S. No.	National Conference
1.	C. Hariharan, "Accelerator Connecting Rod Modification and Link Reduction", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-12, Apr-14.
2.	R Prasanna, "Design of a Die Cut Roller with Half Cut and Full Cut in a Single Tool with a Tester Machine", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-13, Apr-14
3.	B Gopinath, "CFD Investigation of Influence of Span Wise Pitch on Local Heat Transfer Distribution for Inline Array of Impingement Jets with Medium Cross Flow", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-13, Apr-14.

4.	P Sivaniranjana, "CFD Simulation of Drying of Wheat", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-14, Apr-14.
5.	A. Deepan Raj Kumar, "Combustion Optimization for Lignite - Powered Boilers", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-14, Apr-14
6.	S Jaichander, "Design of Pneumatic Assisted Magnetic Gripper for Pick and Place Operation of Collecting Electrode Plate", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 15, Apr-14
7.	S. Vijaya Kumar, "Effects of Different Piston Bowl Shapes on Combustion and Performance of ECR Engine Running on Bio Diesel", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-16, Apr-14
8.	J Deepak, "Experimental Analysis of Performance, Combustion and Emission Characteristics of a Vcr Ci Engine Run on Biodiesel - Diesel Blends", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-16, Apr-14
9.	S Anand and S Dheepak, "Conversion Of Mechanical to Electric Water Pump for A Compression Ignition Engine", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-25, Apr-14
10.	V Elango, "Automated Inspection System using MATLAB", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-25, Apr-14
11.	Ramya Suresh and K. Senthilnathan, "Analysis of Welding and Improving the Quality of Weld", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-27, Apr-14
12.	S. Muthukumaran, "Analytical and Finite Element Analysis of Composite Leaf Springs", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-14
13.	S Suganya, "Automatic Inspection of Cracks and Corrosions in Pipelines", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-14
14.	V. G. Ganesan, "Tribological Behaviour of Tungsten", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-28, Apr-14
15.	T Vasanthavanan, "Characterisation and Microstructure Studies on Aluminium/Lignite Fly Ash/Graphite Nano Composites", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-29, Apr-14
16.	P Jeyaprakash, "Characterisation Study of Glass Fibre Reinforced Plastics under Low Velocity Impact Test", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 29, Apr-14
17.	V. H. Mahendra Babu, "Impact of Adding Silicon Carbide in Epoxy Reinforced E-Glass Fibers", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-30, Apr-14

18.	K G Ashok and Ravichander, "Mechanical Test on CFRP and GFRP", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 31, Apr-14
19.	K.K. Nagachandrika, "Process Planning and Injection Molding Die Preparation for Mini Propeller", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-31, Apr-14
20.	S Dheepak, "Robotic Arm Manipulator", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 33, Apr-14
21.	M Noothan, "Semi Automation of Leak Testing in Engine Cylinder Head by Pneumatic System", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 33, Apr-14
22.	K. Karthikeyan, "Study and Analysis of Shot Sleeve", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp- 34, Apr-14
23.	Suresh Kumar, "Study of GFRP under High Velocity Impact Test", Third National Conference on Advancements and Recent Innovations in Mechanical Engineering, pp-35, Apr-14