



**MOTHER TERESA**  
**INSTITUTE OF SCIENCE & TECHNOLOGY**  
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SANKETIKA NAGAR, SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA



**Department of Mechanical Engineering**

**Research publications by faculty**

**A.Y:2017-18**

<b>S.no</b>	<b>NAME OF THE AUTHOR</b>	<b>TITLE OF THE PAPER</b>	<b>JOURNALS/ CONFERENCES</b>
1	Mr. Baloji Badavath	“an Analytical Study Approach on Design of Fixtures-A Review”	Anveshana’s International Journal of Research in Engineering and Applied Sciences, e-ISSN no.-2455-6300, Volume 2, Issue 5, 2017 MAY,.
2	Mr. T Raghava Raju	“Design and Analysis of 4 Wheel Steering System Design”	Planning ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, May 2017

3	Mr. Baloji Badavath	“Design And Analysis Of Automated Threading Machine”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, May 2017
4	Mr. B Seshagirirao	“Design and Analysis of Glass Fiber Reinforced Plastic Electric Pole for Power Transmission”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, May 2017
5	Mr. Baloji Badavath	“Design and Analysis of Jig & Fixture”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, May 2017
6	Mr. Baloji Badavath	“Design and Analysis of the Al-Sic Composite Materials of Engine Valve Guide”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, May 2017
7	Mr. Baloji Badavath	“Design and Analysis of Tool Handler”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, June 2017
8	Mr. B Seshagirirao	“Design and Simulation of Composite Centrifugal”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, June 2017

9	Mr. Baloji Badavath	“Investigation and Analysis of Piston by Using Composite Material”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, June 2017
10	Mr. B Seshagirirao	“Modal Analysis of a Thermal Power Plant Cooling Tower”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, June 2017
11	Mr. Baloji Badavath	“Modeling and Analysis of Crankshaft”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, June 2017
12	Mr. T Raghavaraju	“Simulation of Convergent and Divergent Nozzles Using Cfd Analysis”	ISSN: 2395-0463, Volume 03 Issue 03, Special Issue, June 2017
13	Mr.M Surendra, Mr. M Laxmi Prasad, Mr. T Ayyappa & Mr.M Ashok	“Experimental Investigation On Diesel Engine Using Alcohol Based Fuel With Piston Modification”	International Journal of Innovative Research in Technology, Volume 4 Issue 5,ISSN: 2349-6002, October 2017
14	Mr. M Surendra and Mr.T Ayyappa	“LPG Refrigerator	International Journal of Innovative Research in

			Technology, Volume 4 Issue 5,ISSN: 2349-6002, October 2017.
15	Mr.T Raghava Raju and Mr.M Ashok	“Design and Analysis of Portable lumber Mill”	International Journal of Innovative Research in Technology, Volume 4 Issue 5, ISSN: 2349-6002, October 2017.
16	Mr.M Ashok and Mr.T Raghava Raju	Design and Analysis of Rotary Draw tube Bending Machine”	International Journal of Innovative Research in Technology, Volume 4 Issue 5,ISSN: 2349-6002, October 2017.
17	Mr.T Gowri sankar, Mr.M Surendra & Mr.T Ayyappa	“Study and Applications of Shape Memory Alloys (SMA)”	International Journal of Innovative Research in Technology, Volume 4 Issue 5,ISSN: 2349-6002, October 2017
18	Mr. T Ayyappa, Mr. M Surendra & Mr. T Gowri sankar	“ Enhancing the Performance Parameters of VCR System by Incorporating Phase Change Materials”	International Journal of Innovative Research in

			Technology, Volume 4 Issue 5,ISSN: 2349-6002, October 2017
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**A.Y:2016-17**

<b>S.no</b>	<b>NAME OF THE AUTHOR</b>	<b>TITLE OF THE PAPER</b>	<b>JOURNALS/ CONFERENCES</b>
1	B.BALOJI	The Analysis Of Thermal Loads On Exhaust Valve During Combustion With Various Blended Fuels	International Journal Of Current Research In Advance Materials, Heat And Energy Engineering Vol: 1 Issue:1 , (2016, SEPT), Page:1-21
2	B.BALOJI	Percussion And Tensile Properties Of Single And Double Passed Fsw On Aa6082 In Air & Water	“International Journal Of Current Research In Advance Materials, Heat And Energy Engineering Vol: 1 Issue:1 , (2016, SEPT), Page:27-37
3	R.PRASAD	Parametric Optimization Of Tig Welding Using Taguchi Method	International Journal Of Current Research In Advance Materials, Heat And Energy Engineering Vol: 1 Issue:1 , (2016, SEPT), Page:38-48
4	Mr. B.BALOJI	“Percussion And Tensile Properties Of Single And Double Passed FSW on AA6082 In Air & Water”	AIJRAMQOMR, journal volume 1, issue 1,Sept/Oct 2016.
5	Mr. B.BALOJI	The Analysis Of Thermal Loads On Exhaust Valve During Combustion With Various Blended Fuels”	AIJCRAMHEE, journal volume 1, issue 1,Sept 2016.

6	Mr. R.PRASAD	“Parametric Optimization Of TIG Welding Using Taguchi Method”	AIJRAMQOMR, journal volume 1, issue 1,Sept/Oct 2016.
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**A.Y:2015-16**

<b>S.no</b>	<b>NAME OF THE AUTHOR</b>	<b>TITLE OF THE PAPER</b>	<b>JOURNALS/ CONFERENCES</b>
1	Mr. B.BALOJI,	“Computer Aided Process Planning For Multi –Axis CNC Machining Fixture”	AIJRRLLJSM, journal volume 1,issue 5,May 2016.
2	Mr. R.Prasad	“Computer Aided Process Planning For Multi –Axis CNC Machining Fixture”	AIJRRLLJSM, journal volume 1,issue 5,May 2016

**A.Y:2014-15**

<b>S.no</b>	<b>NAME OF THE AUTHOR</b>	<b>TITLE OF THE PAPER</b>	<b>JOURNALS/ CONFERENCES</b>
1	Mr. D.Gopichand	“INVESTIGATION FOR EFFECT OF MECHANICAL PROPERTIES OF CHROMIUM CARBIDE COATED ON COPPER ROD”	International journal of mechanical engineering and robotics research Vol.3,No.4 October 2014
2	Mr. D.Gopichand	“PETROL ENGINE EXHAUST VALVE DESIGN,ANALYSIS AND MANUFACTURING PROCESSES”	International journal of mechanical engineering and robotics research Vol.3,No.4 October 2014
3	Mr. D.Gopichand	“COMPARATIVE EXPERIMENTAL STUDY OF FRICTION STIR WELDING AND GAS WELDING PROCESS ON AA6061”	International journal of mechanical engineering and robotics research Vol.3,No.4

			October 2014
4	Mr. D.Gopichand	" DESIGN OF MOULD TOOL & COOLING CHANNEL PTIMIZATION OF REMOTE CONTROL TOP PANEL"	International Journal of Research and Innovation Vol.I,No.III Sep 22, 2014
5	Mr. D.Gopichand	" DESIGN AND ANALYSIS OF MULTI- STAGE STEAM TURBINE BLADE AND SHAFT ASSEMBLY"	International Journal of Research and Innovation Vol.I,No.III Sep 22, 2014
6	Mr. D.Gopichand	OPTIMIZED DIE STRUCTURE DESIGN OF PLASTIC INJECTION MOULD USING FEM TECHNIQUE"	International Journal of Research and Innovation Vol.I,No.III Sep 22, 2014
7	Mr. D.Gopichand	FINITE ELEMENT ANALYSIS OF SHEET METAL WORKS FOR DEEP DRAWING IN MANUFACTURING OF FLY WHEEL CUP"	International Journal of Engineering Research & Technology Vol. 3 Issue 9 September- 2014

**A.Y:2013-14**

<b>S.no</b>	<b>NAME OF THE AUTHOR</b>	<b>TITLE OF THE PAPER</b>	<b>JOURNALS/ CONFERENCES</b>
1	Mr. G. Singaiah	FINITE ELEMENT ANALYSIS OF SHEET METAL WORKS FOR DEEP DRAWING IN MANUFACTURING OF FLY WHEEL CUP"	International Journal of Engineering Research & Technology Vol. 3 Issue 9 September- 2014