



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited by NAAC with 'A' Grade (II cycle), Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad, Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

**Department of Mechanical Engineering**  
**Details List of Publication for A.Y. 2016-17**

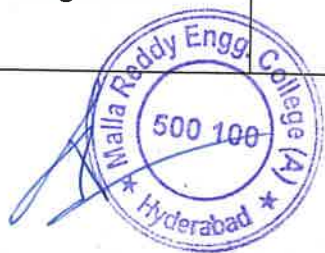
| S.No. | Title of paper                                                                                  | Name of the author/s                           | Department of the teacher | Name of journal                                                       | Year of publication | ISSN number | Is it listed in UGC Care list/Scopus/Web of Science/other, mention | Academic Year |
|-------|-------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------|-----------------------------------------------------------------------|---------------------|-------------|--------------------------------------------------------------------|---------------|
| 1     | Cad-Net: A Context-Aware Detection Network For Objects In Remote Sensing Imagery                | E.Venkata Reddy, Ch.Uday Sai, M.N.V.Sai Ganesh | Mechanical Engineering    | International Journal for Advanced Research in Science and Technology | 2017                | 2457-0362   | UGC                                                                | 2016-17       |
| 2     | Proposal Of A Vastlyassimilated Electric-Hydraulic Machine For Captivating Off-Highway Vehicles | Mulabagal Sandeep                              | Mechanical Engineering    | International Journal for Advanced Research in Science and Technology | 2017                | 2457-0362   | UGC                                                                | 2016-17       |



**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
**MALLAREDDY ENGINEERING COLLEGE**  
Maisamma Guda-500 100.

|   |                                                                                             |                |                        |                                                                         |      |           |        |         |
|---|---------------------------------------------------------------------------------------------|----------------|------------------------|-------------------------------------------------------------------------|------|-----------|--------|---------|
| 3 | Simulation in Composition of Cement Manufacturing and Comparison of Mechanical Properties   | Raveendra A    | Mechanical Engineering | International Journal of Scientific Engineering and Technology Research | 2017 | 2229-5518 | others | 2016-17 |
| 4 | Experimental investigation on natural fiberbiocomposites by using destructive testing       | A. Sarath      | Mechanical Engineering | International Journal of latest engineering and management research     | 2017 | 2455-4847 | others | 2016-17 |
| 5 | Thermal Analysis of Ceramic Coated Aluminum Piston Used in CI Engine Using ANSYS            | Praveen Babu P | Mechanical Engineering | International Journal of Advance Engineering and Research Development   | 2017 | 2348-6406 | others | 2016-17 |
| 6 | CFD Analysis of Shell and Tube Heat Exchanger With and Without Baffles by Using Nano Fluids | Sandeep M      | Mechanical Engineering | International Journal of Emerging Technologies and Innovative Research  | 2016 | 2349-5162 | others | 2016-17 |



**PRINCIPAL**  
**Malla Reddy Engineering College**  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100

**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
**MALLAREDDY ENGINEERING COLLEGE**  
 Maisamma Guda-500 100.

|   |                                                                                                                              |                    |                        |                                                                                    |      |           |        |         |
|---|------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|------------------------------------------------------------------------------------|------|-----------|--------|---------|
| 7 | Performance Prediction of Domestic Refrigeration System Using R436A Refrigerant as Alternative Refrigerant to R134a with ANN | Chandra Sekhara C, | Mechanical Engineering | International Journal of Innovative Research in Science Engineering And Technology | 2017 | 2319-8753 | others | 2016-17 |
| 8 | Design and Thermal Analysis of Transition Duct in Industrial Gas Turbine                                                     | Srinivas V         | Mechanical Engineering | International Journal of Dynamics of Fluids                                        | 2017 | 0973-1784 | others | 2016-17 |
| 9 | Experimental and Computational Analysis of Piston Coated with Aluminium Silicon Metal Matrix Composite Material              | Prashanth A        | Mechanical Engineering | International Journal of Research                                                  | 217  | 2348-6848 | others | 2016-17 |



*Revised*  
**PRINCIPAL**  
 Malla Reddy Engineering College  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100

*[Signature]*  
**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
**MALLAREDDY ENGINEERING COLLEGE**  
 Maisamma Guda-500 100.

|    |                                                                                                                                |                 |                        |                                                                                     |             |           |        |         |
|----|--------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------|-------------------------------------------------------------------------------------|-------------|-----------|--------|---------|
| 10 | Experimental Investigation and Improvement of Surface Finish Analysis on HCHCR Steel Using EDM                                 | Sireesha S.C    | Mechanical Engineering | International Journal and magazine of engineering technology management and reserch | 2017        | 2348-4845 | others | 2016-17 |
| 11 | Effect of Mechanical Properties of Composites of Teak Wood and Tamarind Kernel as Reinforced Particulates with Polyester Resin | Sireesha S. C   | Mechanical Engineering | International Journal of Research                                                   | March, 2017 | 2348-6848 | others | 2016-17 |
| 12 | Fabrication and Testing of Composite Powder Materials from Tamarind Seeds and Date Seeds using Epoxy                           | Naresh Kumar T. | Mechanical Engineering | International Journal of Research                                                   | 2017        | 2348-6848 | others | 2016-17 |



**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
MALLAREDDY ENGINEERING COLLEGE  
Maisamma Guda-500 100.

|    |                                                                                                                        |                  |                        |                                                                                   |      |           |        |         |
|----|------------------------------------------------------------------------------------------------------------------------|------------------|------------------------|-----------------------------------------------------------------------------------|------|-----------|--------|---------|
| 13 | Fabrication and Analysis of Coconut Coir Fiber Reinforced Epoxy Composite with Cement as Filler                        | Srinivas V       | Mechanical Engineering | International Journal of Research                                                 | 2017 | 2348-6848 | others | 2016-17 |
| 14 | Effect of Process Parameters on Mrr and Surface Roughness in Turning Process of En8                                    | BhikshaGugulothu | Mechanical Engineering | International Journal of Engineering Research in Mechanical and Civil Engineering | 2017 | 2456-1290 | others | 2016-17 |
| 15 | Taguchi Optimization Process Parameters in Friction Stir Welding of Aluminium 6351 and Pure Copper (Dissimilar Metals) | Bhiksham G       | Mechanical Engineering | International Journal of Engineering Research in Mechanical and Civil Engineering | 2017 | 2456-1290 | others | 2016-17 |



**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
MALLAREDDY ENGINEERING COLLEGE  
Maisamma Guda-500 100.



|    |                                                                                                          |                     |                        |                                                                |      |           |        |         |
|----|----------------------------------------------------------------------------------------------------------|---------------------|------------------------|----------------------------------------------------------------|------|-----------|--------|---------|
| 16 | Mechanical Properties of Basalt and Hibiscus Leaf Powder Hybrid Polyester Composite                      | Varalakshmi M. V    | Mechanical Engineering | International Journal of Research                              | 2016 | 2348-6848 | others | 2016-17 |
| 17 | Evaluation of Mechanical Properties of Groundnut Shell and Date Palm Powder Reinforced Polymer Composite | Anil Kumar U.,      | Mechanical Engineering | International Journal of Research                              | 2017 | 2348-6848 | others | 2016-17 |
| 18 | A Review on Aluminum Based Metal Matrix Composites by Friction Stir Processing                           | Chandra Mouli D. S. | Mechanical Engineering | International Journal of Engineering and Manufacturing Science | 2017 | 2249-3115 | others | 2016-17 |



  
**PRINCIPAL**  
 Malla Reddy Engineering College  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100

  
**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
 MALLAREDDY ENGINEERING COLLEGE  
 Maisamma Guda-500 100.

|    |                                                                                                                                  |                     |                        |                                                                      |      |           |        |         |
|----|----------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|----------------------------------------------------------------------|------|-----------|--------|---------|
| 19 | Improvement of Hardness of Aluminium 7075 Metal Matrix Composites with Silicon Carbide Powder by Friction Stir Processing        | Chandra Mouli D. S. | Mechanical Engineering | International Journal of Engineering Technology Science and Research | 2017 | 2394-3386 | others | 2016-17 |
| 20 | 'Application of Taguchi Methods and ANOVA in Optimization of Process Parameters for Hybrid Power Transmission in Fluid Coupling' | Narasimha Reddy V,  | Mechanical Engineering | International Journal of Engineering Technology Science and Research | 2017 | 2394-3386 | others | 2016-17 |



*Review*  
**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

*[Signature]*  
**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
**MALLAREDDY ENGINEERING COLLEGE**  
Maisamma Guda-500 100.

|    |                                                                                     |                   |                        |                                                                                      |      |           |        |         |
|----|-------------------------------------------------------------------------------------|-------------------|------------------------|--------------------------------------------------------------------------------------|------|-----------|--------|---------|
| 21 | Optimization of Fluid Coupling Performance for Efficient Power Transmission System' | Narasimha Reddy V | Mechanical Engineering | International Journal of Industrial Engineering and Technology                       | 2017 | 2394-3386 | others | 2016-17 |
| 22 | CNC Milling Machines Advanced Cutting Strategies for Forging Die Manufacturing      | Narsimha Reddy V  | Mechanical Engineering | International Journal & Magazine of Engineering, Technology, Management and Research | 2016 | 2348-4845 | others | 2016-17 |
| 23 | Design and Manufacturing of Press Tools for Compressor Shell                        | K Rajesh          | Mechanical Engineering | International Journal of Advanced Engineering, Management and Science                | 2016 | 2457-0362 | others | 2016-17 |



**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
MALLAREDDY ENGINEERING COLLEGE  
Maisamma Guda-500 100.



|    |                                                                                                  |                   |                        |                                                                       |      |             |        |         |
|----|--------------------------------------------------------------------------------------------------|-------------------|------------------------|-----------------------------------------------------------------------|------|-------------|--------|---------|
| 24 | Exploration of manufacturing accomplishment system auxiliary prompt extended manufacturing       | S.Ram Mohan Reddy | Mechanical Engineering | International Journal For Advanced Research In Science & Technology   | 2016 | 2457 - 0362 | others | 2016-17 |
| 25 | Imminent role of solicitation of new expertise in small-and standard scale manufacturing systems | S.ChakraSireesha  | Mechanical Engineering | International Journal For Advanced Research In Science & Technology   | 2016 | 2457 - 0362 | others | 2016-17 |
| 26 | Strategy of a low-slunchcharge CAD-CAM convertor for cnc claims                                  | E Venkat Reddy    | Mechanical Engineering | International Journal For Recent Developments in Science & Technology | 2017 | 2581-4575   | others | 2016-17 |



  
**PRINCIPAL**  
 Malla Reddy Engineering College  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100

  
**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
 MALLAREDDY ENGINEERING COLLEGE  
 Maisammaguda-500 100.

|    |                                                                                        |                     |                        |                                                                          |      |           |        |         |
|----|----------------------------------------------------------------------------------------|---------------------|------------------------|--------------------------------------------------------------------------|------|-----------|--------|---------|
| 27 | Improvement of an assimilated cad/cam coordination for shoe last                       | S Ram Mohan Reddy   | Mechanical Engineering | International Journal For Recent Developments in Science & Technology    | 2017 | 2581-4575 | others | 2016-17 |
| 28 | Computationally proficient design route for single-layer IPM mechanisms                | I Sri Deepthi       | Mechanical Engineering | International Journal For Recent Developments in Science & Technology    | 2017 | 2581-4575 | others | 2016-17 |
| 29 | Lithe product manufacturing by lithe manufacturing possibilities with agent technology | M Srinivasulu Reddy | Mechanical Engineering | International Journal For Innovative Engineering and Management Research | 2016 | 2456-5083 | others | 2016-17 |



*Principal*  
**PRINCIPAL**  
 Malla Reddy Engineering College  
 (Autonomous)  
 Maisammaguda, Dhulapally,  
 (Post Via Kompally), Sec'bad-500 100

*[Signature]*  
**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
 MALLAREDDY ENGINEERING COLLEGE  
 Maisamma Guda-500 100.

|    |                                                                                                 |                                                                  |                        |                                                                          |      |           |        |         |
|----|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------|------|-----------|--------|---------|
| 30 | The Superiority Cost Prototypes and Optimization Centered on Advanced Manufacturing Environment | I. Sri Deepthi                                                   | Mechanical Engineering | International Journal For Innovative Engineering and Management Research | 2017 | 2456-5083 | others | 2016-17 |
| 31 | Strategy Of Inland Permanent-Magnet Machines With Innovative Semi-Overlapping Windings          | K.Srinivasa Rao, M.A.Kamesh, Ch.Satishkumar, Y.Shiva             | Mechanical Engineering | International Journal For Recent Developments in Science & Technology    | 2017 | 2581-4575 | UGC    | 2016-17 |
| 32 | Exploration On Solicitation Of Virtual-Real Merging technology in Shrewd Manufacturing          | K.Srinivasa Rao, T.Naveen, M.Shalini                             | Mechanical Engineering | International Journal For Recent Developments in Science & Technology    | 2017 | 2581-4575 | UGC    | 2016-17 |
| 33 | Segmental Baffle And Helical Baffle Shell And Tube Heat Exchanger                               | Mr. Maram Srinivasula Reddy, Mr. Mallikarjun, Mr. P.Praveen Babu | Mechanical Engineering | The International journal of analytical and experimental modal analysis  | 2017 | 0886-9367 | UGC    | 2016-17 |
| 34 | sensors fabrication materials for Fingerprint matching                                          | Mr. Mallikarjun, Mr. P.Praveen Babu                              | Mechanical Engineering | The International journal of analytical and experimental modal analysis  | 2017 | 0886-9367 | UGC    | 2016-17 |



PRINCIPAL  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

HEAD OF THE DEPARTMENT  
MECHANICAL ENGINEERING  
MALLAREDDY ENGINEERING COLLEGE  
Maisamma Guda-500 100.

|    |                                                                                      |                                                 |                        |                                                                         |      |           |     |         |
|----|--------------------------------------------------------------------------------------|-------------------------------------------------|------------------------|-------------------------------------------------------------------------|------|-----------|-----|---------|
| 35 | Solid objects printing using Construction of 3D printer                              | Mr. S.Rammohan Reddy, Mrs.K.Vijaya Siva Sruthi  | Mechanical Engineering | The International journal of analytical and experimental modal analysis | 2017 | 0886-9367 | UGC | 2016-17 |
| 36 | Strain Esteems In Fortifications And Cement Of A Rc Outline Utilizing Neural Systems | Ms.Anne Swathi and Ms.Sravanthi Anandrao Agdari | Mechanical Engineering | The International journal of analytical and experimental modal analysis | 2017 | 0886-9367 | UGC | 2016-17 |
| 37 | Study On Mechanical Properties Of The Self Curing Concrete                           | Paul Pandian and Jayaprakash                    | Mechanical Engineering | The International journal of analytical and experimental modal analysis | 2017 | 0886-9367 | UGC | 2016-17 |
| 38 | Unwavering Quality Study Of Reinforced Concrete Structures Under Carbonation Attack  | G.Bhiksha and Yogesh Madaria                    | Mechanical Engineering | The International journal of analytical and experimental modal analysis | 2017 | 0886-9367 | UGC | 2016-17 |
| 39 | Vulnerability Injection overhead markup using XSS                                    | S. Surendranath and Mr.Prashanth.A              | Mechanical Engineering | The International journal of analytical and experimental modal analysis | 2017 | 0886-9367 | UGC | 2016-17 |
| 40 | Ankle Joint Using Different Materialsdesingn And Analysis                            | A.Raveendra, K.Bharadwaja, Egala Rajesh         | Mechanical Engineering | Journal of Interdisciplinary Cycle Research                             | 2016 | 0022-1945 | UGC | 2016-17 |



PRINCIPAL  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

HEAD OF THE DEPARTMENT  
MECHANICAL ENGINEERING  
MALLAREDDY ENGINEERING COLLEGE  
Maisamma Guda-500 100.



|    |                                                                          |                                              |                        |                                             |      |           |     |         |
|----|--------------------------------------------------------------------------|----------------------------------------------|------------------------|---------------------------------------------|------|-----------|-----|---------|
| 41 | Composite Materialdesigning And Structural Analysis On Vehicle Chassis   | Mr.Prashanth.A, Egala Rajesh                 | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |
| 42 | Finite Element Analysis Software Integrated Designusing ANSYS            | Ms.Heruthunisa.Shaik, Mr. G. Sravan Kumar    | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |
| 43 | Gate Arrays For Detection of Moving objects in Field Programmable        | Mr. E.Venkata Reddy, Mr.Ganta Ravi Kumar     | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |
| 44 | Home Automation in Energy Management Intelligent Control System          | Mr. S.Rammohan Reddy, Ms. S.C.Sireesha       | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |
| 45 | Hydrogen Energy using Fuel Cell and Renewable energy for Household power | Mr.Nadipata Kiran kumar, Mr. T. Naresh Kumar | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |
| 46 | Oil Pan Modeling And Weight Optimization Of By Analysis                  | Ms. Yella Gruha Laxmi, Mrs. P. Santhi Priya  | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |
| 47 | RSW Coupled Analysis using weld nugget for Temperature distribution      | Mrs. A.Aruna Jyothi, Mr. D.S.CH.Mouli        | Mechanical Engineering | Journal of Interdisciplinary Cycle Research | 2016 | 0022-1945 | UGC | 2016-17 |



**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 120

**HEAD OF THE DEPARTMENT**  
**MECHANICAL ENGINEERING**  
MALLAREDDY ENGINEERING COLLEGE  
Maisamma Guda-500 100.