



NARSIMHA REDDY ENGINEERING COLLEGE



(Affiliated to JNTU Hyderabad- Approved by AICTE, New Delhi)

Maisammaguda – 500014

ABOUT THE DEPARTMENT: Engineering advancements happening in the world's workshop, so with the standard of engineering consistently rising, mechanical engineering is creating ripples in the technology world. The department is established in the year 2007 with an intake of 60 and the number is increased up to 90 in 2009 and 120 in 2013. The department is headed by Dr .Venkataramana Murthy. Mechanical Engineering is a fast-growing discipline in tune with the demands in the core areas of infrastructure and Manufacturing.

VISION AND MISSION OF THE DEPARTMENT

VISION: The vision of the department of the mechanical engineering is to generate disseminate mechanical engineer knowledge through harmonious blending of theoretical and practical knowledge.to produce mechanical engineering professionals enriched full and advanced knowledge of mechanical engineering heightened with intellectual, cultural, ethical and human sensitivities, fostering a scientific temper, professional expertise as well.

MISSION: The mission of the mechanical department is

1. To achieve the mechanical engineering and research
2. To generate disseminate and preserve knowledge
3. Promote learning in free thinking and innovative environments.
4. To educate train and prepare students for leadership roles in the field of mechanical engineering
5. Make the students to stand well in their profession and to bring name and fame to the department, institution and nation.

Program Specific Outcomes (PSOs)

PSO1: Drafting, modeling and analysis of machine elements with Pro-E and ANSYS.

PSO2: Students will be able to design a system to meet desired needs within environmental, economic, political, ethical health and safety, manufacturability and management knowledge and techniques to estimate time, resources to complete project (Practical engineering analysis skills)

PSO3: Students will be able to work professionally in both thermal and mechanical systems areas.

Program Educational Objectives (PEOs)

Mechanical Engineering graduates will be able

PEO1: To apply knowledge of fundamental sciences and engineering skills required to solve mechanical engineering problems of a complex kind

PEO2: To function as a coherent unit leading multidisciplinary design teams, and deliver results based on sound principles considering functionality, elegance, safety and sustainability.

PEO3: To have an outlook beyond mechanical engineering and step into various interdisciplinary streams and to pursue professional practices in industries

Faculty Research Publications: (Journals) 2018-19

| S. No | Name of the Faculty | Designation | Title of the Paper | Publication Details | National/International |
|-------|---|----------------|--|---|------------------------|
| 1 | Dr. Venkata Ramana Murthy | HOD& Professor | Studies On Recycled Aluminium(Aa319)- Reinforced With Recycled Glass | IJMPERD,Issn 2249-6890,Vol.08,Issue .3 December-2018 | International |
| 2 | Dr.M.Babu | Professor | Experimental analysis On Linear Fresnel Reflector Solar Concentrating Hot Water System | ELSEVIER Vol14 Sep 2019 100444 | International |
| | | | Thermal Analysis On Al-Si Piston Using Different Heat Barrier Coatings | IRJAT,Issn 2581-5865,Vol.08,November-2018 | International |
| | | | Thermal Analysis On Exhaust Valve With Thermal Barrier Material | IRJAT,Issn 2581-5865,Vol.08,November-2018 | International |
| 3 | Mr. Naveen Kumar P Mrs . D Krishna Veni Mr. S Rajesh | AP | Production, Purification And Evaluation Of Different Plastic Bio Fuel Blends From Municipal Waste Plastics | IJMPERD Issn 2249-6890 Vol 08 Issue 03 Impact Factor (Jcc): 7.6197 December -2018 | International |
| 4 | Mrs.T.Anuradha Mr.G.Satishkumar | AP & ASP | Coupled Field Analysis Of Micro Gas Turbine Blade Using Cfd | IJIEMR Issn2456-5083,Vol07 Issue 12 November-2018 | International |
| 5 | Mr.Naveenkumar P Mr.Pavankumar Mrs.Archanamishra Mrs.Anuradha Mr.Sai Shyam | AP | Engine Performance And Emission Characteristics Of Single Cylinder Diesel Engine Working On Different Plastics Fuel Blends Produced From Catalytic Pyrolysis Of Different Waste Plastics | IJRAR Issnv2349-5138 Vol6 Issue 01impact Facor 5.75march-2019 | International |
| 6 | Mr.Avinash Pachori Mr.G.Satishkumar | ASP | Cfd Simulation Centrifugal Pump Impeller By Using Ansys | IJIEMR Issn 2456-5083vol 07 Issue 13 December-2018 | International |
| 7 | Mr. G.Satish kumar | AP | Performance Analysis Of Rate Of Increasing heat Transfer In A Composite Material On Micro Tubes Using Cfd | IJITR Issn 8768-8771vol 06 Issue No 6 October-November 2018 | International |
| 8 | Mrs. Archana Mishra | AP & | Force Fed Micro Channels For High Flux | IJIEMR Issn 2456-5083vol 07 | International |

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|-----------|---|----------------|---|---|---------------|
| | Mr.G.Satishkumar | ASP | Cooling Applications | Issue 12november-2018 | |
| 9 | Mr. S. Rajesh Mr.G.Satishkumar | AP & ASP | Design And Heat Transfer Enhancement Of I.C.Engine Piston By Finite Element Analysis | IJR Issn 2236- 6124 Vol 08 Issue 04april 2019 | International |
| 10 | Mr. S. Rajesh Mr.G.Satishkumar | AP & ASP | Design And Finite Element Analysis Of Gas Turbine Blade | IJR Issn 2236- 6124 Vol 08 Issue 04april 2019 | International |

Faculty Research Publications : Conferences:2018-19

| S.No | Name Of The Faculty | Designation | Conference Name | Conference Details | National/International |
|-------------|-------------------------------------|---------------------------|------------------------|--|-------------------------------|
| 1 | Dr.Venkata Ramana Murthy V P | HOD& Professor | Ictimes-2018 | Scie/Scopus/Ugc Based-4th International Conference On Trends In Information, Management, Engineering And Sciences(Ictimes) | International |
| 2 | Mrs.D Krishna Veni | AP | Ictimes-2018 | Scie/Scopus/Ugc Based-4th International Conference On Trends In Information, Management, Engineering And Sciences(Ictimes) | International |
| 3 | Mr. Naveenkumar P | AP | Ictimes-2018 | Scie/Scopus/Ugc Based-4th International Conference On Trends In Information, Management, Engineering And Sciences(Ictimes) | International |
| 4 | Mr. S Rajesh | AP | Ictimes-2018 | Scie/Scopus/Ugc Based-4th International Conference On Trends In Information, Management, Engineering And Sciences(Ictimes) | International |

Industrial visit: CIMTECH Systems Pvt Ltd:2018-19

| S. No. | Name | Designation | Contact No. |
|--------|--------------------|------------------|-------------|
| 1 | Mr. AYY Ravi Kumar | AP & Coordinator | 9553448872 |
| 2 | Mr. P Naveen Kumar | AP | 7829641258 |
| 3 | Mr. B Pavan Kumar | AP | 8618564440 |



PCRA (Petroleum Conservation Research Association): E-Gallery



Swachh Bharath: E-Gallery



Other Events:



RTA Road Safety Event



Yoga Day- Mind Management

Placement Details:2018-19

| S.No. | Name of the Organization | Date | No. of Students attended | Salary Package | Hall ticket No. | Name of the Student | No. of Students Placed |
|-------|--|----------------|--------------------------|-----------------|-----------------|------------------------|------------------------|
| 1 | Cinif Technologies Ltd. | 9th Aug 2018 | 19 | 3.6 LPA | 16X05A0321 | Thumma Sai Kumar | 1 |
| 2 | Aliens Group | 24th Sep 2018 | 18 | 1.7 LPA | 15X01A0343 | K. Subodh | 1 |
| 3 | Eliation | 24th Dec 2018 | 50 | 2.4 LPA | 16X05A0323 | M. Raja Ravinder Reddy | 1 |
| 4 | Just Dial | 31th Jan 2019 | 5 | 2.5 to 2.9 LPA | 15X01A0343 | Kawale Subodh | 1 |
| 5 | Reliance HR Services Pvt. Ltd. | 31th Jan 2019 | 7 | 1.8 to 3.6 LPA | 16X05A0321 | Thumma Sai Kumar | 2 |
| | | | | | 15X01A0342 | R. Shrivastava | |
| 6 | Navata Road Transport Pvt. Ltd. | 31th Jan 2019 | 8 | 1.8 to 2.40 LPA | 16X05A0317 | N. Rakesh | 2 |
| | | | | | 16X05A0323 | Raja Ravinder Reddy | |
| 7 | Swagatam Resource Management Pvt. Ltd. | 13th Feb 2019 | 15 | 1.4 to 2.4 LPA | 15X01A0320 | MD. Gulab Rabbani | 12 |
| | | | | | 15X01A0359 | MD. Zaheer Ansari | |
| | | | | | 15X01A0350 | Arsad Alam | |
| | | | | | 15X01A0348 | Zikrullah | |
| | | | | | 15X01A0327 | MD. Shahnawaz Laique | |
| | | | | | 15X01A0350 | MD. Arshad Alam | |
| | | | | | 15X01A0364 | MD. Sabir Imam | |
| | | | | | 15X01A0353 | Kousar Ansari | |
| | | | | | 15X01A0325 | MD. Rabbani Alam | |
| | | | | | 15X01A0319 | MD. Daiyan Raza | |
| | | | | | 15X01A0342 | Shrivastav | |
| | | | | | 16X01A0319 | Pothuganti mahesh | |
| 8 | Wisdom Resource Management | 13th Feb 2019 | 4 | 1.8 to 2.2 LPA | 15X01A0348 | Zikrullah | 2 |
| | | | | | 15X01A0353 | Koushar Ansari | |
| 9 | Royal Enfield | 13th Feb 2019 | 5 | 1.4 to 2.6 LPA | 15X01A0348 | Zikrullah | 2 |
| | | | | | 15X01A0359 | MD. Zaheer Ansari | |
| 10 | Chola MS General Solutions | 3rd April 2019 | 10 | 3.0 LPA | 15X01A0352 | Anwar Ansari | 2 |
| | | | | | 15X01A0327 | Shahnawaz | |

GEAR UP