

## DEPARTMENT OF MECHANICAL ENGINEERING

| <b>Name of Professional Society</b>                        | <b>No. Of students Registered</b> | <b>No of faculty Registered</b> |
|--|-----------------------------------|---------------------------------|
| LIFE MEMBER INDIAN SOCIETY FOR TECHNICAL EDUCATION(LMISTE) | 195                               | 26                              |
| SOCIETY OF AUTOMOTIVE ENGINEERS(SAE)                       | 11                                | 01                              |
| INTERNATIONAL ASSOCIATION OF ENGINEERS(IAENG)              | ----                              | 02                              |
| INSTITUTE OF RESEARCH ENGINEERS & DOCTORS (IRED)           | ----                              | 10                              |
| SOCIETY OF FAILURE ANALYSIS(SF)                            | ----                              | 01                              |
| INTERNATIONAL SOCIETY OF MASS & HEAT TRANSFER(ISHMT)       | ----                              | 01                              |
| INSTITUTE OF ENGINEERS INDIA(IEI)                          | ----                              | 03                              |
| INDIAN INSTITUTE OF METAL(IIM)                             | ----                              | 01                              |
| SOCIETY OF ELECTRO CHEMICAL SCIENCE & TECHNOLOGY(SAEST)    | ----                              | 01                              |
| POWDER METALLURGY ASSOCIATION OF INDIA(PMAI)               | ----                              | 01                              |
| CONDITION MONITORING SOCIETY OF INDIA(CMSI)                | ----                              | 01                              |
| MATERIALS RESEARCH SOCIETY OF INDIA(MRSI)                  | ----                              | 01                              |
| ASSOCIATE MEMBER OF INSTITUTE OF ENGINEERS INDIA(AMIE)     | ----                              | 01                              |

| Year    | No. of Activities conducted under professional societies                               | Type of Activity(Guest lectures / workshop/ training programme/ quiz/ coding contest/paper, model, poster presentation etc )                                     |
|---------|--|--|
| 2012-13 | Engineer's Day – 2012  | <ul style="list-style-type: none"> <li>• Technical paper presentation contest</li> <li>• Design contest</li> <li>• Technical Quiz</li> </ul>                     |
| 2013-14 | Engineer's Day – 2013  | <ul style="list-style-type: none"> <li>• Technical paper presentation contest</li> <li>• Design contest</li> <li>• Technical Quiz</li> </ul>                     |
| 2014-15 | Engineer's Day -2014   | <ul style="list-style-type: none"> <li>• Technical paper presentation contest</li> <li>• Design contest</li> <li>• Technical Quiz</li> </ul>                     |
|         | “Industry Expectations from Engineering Graduates” on 14/2/2015 [2 nd B.Tech students] | One Day Workshop   |
|         | Career Development programme on 21/2/2015 [3rd B.Tech students]                        | Career Development programme   |
|         | Techno Fest- 2k15 On 27th- 28th Feb, 2015  | <ul style="list-style-type: none"> <li>• Smart Challenge</li> <li>• Tech Expo</li> <li>• Technical Quiz</li> </ul>   |
|         | Conservation Day & Week Celebrations on 19th Dec, 2014                                 | <ul style="list-style-type: none"> <li>• Elocution</li> <li>• Essay Writing</li> <li>• Model Presentation</li> </ul>   |
|         | Webinar on “Renewable Energy” Student Competition (Roboversity) on 21/2/2014.          |  |
| 2015-16 | Engineer's Day -2015   | <ul style="list-style-type: none"> <li>• Technical paper presentation contest</li> <li>• Design contest</li> <li>• Technical Quiz</li> <li>• Tech Jam</li> </ul> |
|         | “Personality Development” for III B.Tech Students on 23-01-16                          | Seminar  |
|         | ISTE   | SRMC(Srinivasa Ramanujam Mathematics competition)2015-16<br>[6 STUDENTS ARE SELECTED FOR NATIONAL LEVEL COMPETITION]   |

### Students Achievements In Last Three Years.

|                             | 2012-13 | 2013-14 | 2014-15 | 2015-16<br>(till date) |
|-----------------------------|---------|---------|---------|------------------------|
| No of students achievements | 22      | 08      | 33      | 13                     |

Students who have attended programs of reputed Institutions where they have won prizes in the following table from 2012-13 to till date.

| Name of Events and hosting Institution   | Year of participation | Prize won             | Type of the event(Model/ Paper presentation/ poster/ quiz etc.) |
|--|-----------------------|-----------------------|---|
| I-genesis 2012 at Andhra University College of Engineering (A), Visakhapatnam                | 2012-13               | 1 <sup>st</sup> prize | E-Debate  |
| SAMYAK-2K12 at K.L University  | 2012-13               | 2 <sup>nd</sup> prize | Rescue Engineering  |
| Techno-cultural fest AFOSEC-2013 at V.R.Siddhartha Engineering College                       | 2012-13               | 1 <sup>st</sup> prize | JUNKYARD WARS   |
| Techno-cultural fest AFOSEC-2013 at V.R.Siddhartha Engineering College                       | 2012-13               | 2 <sup>nd</sup> prize | ROBOSOCCER  |
| Techno-cultural fest AFOSEC-2013 at V.R.Siddhartha Engineering College                       | 2012-13               | 2 <sup>nd</sup> prize | General QUIZ  |
| Techno-cultural fest AFOSEC-2013 at V.R.Siddhartha Engineering College                       | 2012-13               | 2 <sup>nd</sup> prize | Logo QUIZ   |
| Technostav 2k13,at MVR College of Engineering &Technology, Paritala                          | 2012-13               | 2 <sup>nd</sup> prize | Technical Paper on “Electricity generation”                     |
| Technical fest MAQUINA-13 at Andhra Loyola Institute of Engineering & Technology, Vijayawada | 2012-13               | 1 <sup>st</sup> prize | Technical Paper on “Bio Mechanics of fractures and fixation”    |
| Technical fest MAQUINA-13 at Andhra Loyola Institute of Engineering & Technology, Vijayawada | 2012-13               | 1 <sup>st</sup> prize | QUIZ  |
| Technical fest MAQUINA-13 at Andhra Loyola Institute of                                      | 2012-13               | 3 <sup>rd</sup> prize | QUIZ  |

|  |         |   |  |
|--|---------|---|--|
| Engineering & Technology,<br>Vijayawada  |         |   |  |
| SRK TECHNOFEST-2K13 at<br>SRK Institute of Technology,<br>Enikepadu,Vijayawada   | 2012-13 | 1 <sup>st</sup> prize                                     | Technical Paper on“Bio Mechanics of<br>fractures and fixation”   |
| NRI Fest-2K13 at NRI Institute<br>of Technology, Agiripalli<br>Mandal, Krishna Dist.   | 2012-13 | 2 <sup>nd</sup> prize                                     | Technical Paper on“Bio Mechanics of<br>fractures and fixation”   |
| TORQUE’ 13 at JNTU Kakinada.   | 2012-13 | 2 <sup>nd</sup> prize                                     | Pattern making   |
| Technical Event Techbash at Sri<br>Shakthi Institute of Engineering<br>and Technology, Coimbatore  | 2013-14 | 1 <sup>st</sup> prize                                     | paper on “Bio Mechanics of Fractures<br>and Fixation”            |
| Technical Event Techbash at Sri<br>Shakthi Institute of Engineering<br>and Technology, Coimbatore  | 2013-14 | 2 <sup>nd</sup> prize                                     | paper on “Conduction of Electricity<br>through carbon Nanotubes” |
| Technical Event Techbash at Sri<br>Shakthi Institute of Engineering<br>and Technology, Coimbatore  | 2013-14 | 2 <sup>nd</sup> prize                                     | Technical Quiz   |
| AFOSEC’ 14 at V.R.Siddhartha<br>Engineering College  | 2013-14 | 2 <sup>nd</sup> prize                                     | swing ‘n’ win  |
| Two- Day National Level<br>Techno-Cultural Symposium<br>DHANUSH-2014 at Dhanekula<br>Institute of Engineering &<br>Technology  | 2013-14 | 2 <sup>nd</sup> prize                                     | Engine Assembly  |
| Annual Techno Management<br>Fest(ATMOS’ 14 at Birla<br>Institute of Technology &<br>Science(BITS) Pilani,Hyderabad<br>Campus   | 2014-15 | certificate<br>of<br>Excellence<br>as Best<br>Fabrication | Glider Design, Fabrication and Testing<br>Event                  |
| Energy Conservation Day &<br>Week Celebrations jointly<br>conducted by P.V.P.S.I.T & New<br>and Renewable Energy<br>Development Corporation of<br>Andhra Pradesh Ltd | 2014-15 | 1 <sup>st</sup> prize                                     | Model Presentation   |
| AFOSEC’ 15 at V.R.Siddhartha<br>Engineering College  | 2014-15 | 2 <sup>nd</sup> prize                                     | SCREW IT   |
| AFOSEC’ 15 at V.R.Siddhartha<br>Engineering College  | 2014-15 | 3 <sup>rd</sup> prize                                     | Tech Quiz Event  |
| National Level Techno-<br>Management Fest Samyak at  | 2014-15 | 2 <sup>nd</sup> prize                                     | Fourth Estate  |

|  |         |                       |                            |
|--|---------|-----------------------|----------------------------|
| K.L.University   |         |                       |                            |
| National Level Techno-Management Fest Samyak at K.L.University   | 2014-15 | 2 <sup>nd</sup> prize | Poster presentation        |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 1 <sup>st</sup> prize | Event lab view             |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 1 <sup>st</sup> prize | Poster Presentation        |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 3 <sup>rd</sup> prize | Paper Presentation         |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 1 <sup>st</sup> prize | BEST BIKE DESIGN           |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 1 <sup>st</sup> prize | Event best innovative idea |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 2 <sup>nd</sup> prize | Technical Quiz             |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula Institute of Engineering & Technology | 2014-15 | 3 <sup>rd</sup> prize | Lab-View                   |
| Two Day National Level Techno-Cultural Symposium DHANUSH-2015 at Dhanekula                                       | 2014-15 | 1 <sup>st</sup> prize | Lab-View                   |

|  |         |                       |  |
|--|---------|-----------------------|--|
| Institute of Engineering & Technology  |         |                       |  |
| 9 <sup>th</sup> National Level Technical Symposium Techfest 15 at Sir C R Reddy College of Engineering   | 2014-15 | 2 <sup>nd</sup> prize | Event Grasp the Year                         |
| 9 <sup>th</sup> National Level Technical Symposium Techfest 15 at Sir C R Reddy College of Engineering   | 2014-15 | 1 <sup>st</sup> prize | Event Grasp the Year                         |
| JNTUH College of Engineering Hyderabad   | 2014-15 | 2 <sup>nd</sup> prize | Event Machining                              |
| A National Level Technical Contest GECFEST' 16, at Gudlavalleru Engineering College  | 2015-16 | 2 <sup>nd</sup> prize | Technical paper on "Folder Electric Scooter" |
| A Two day National Level Techno Cultural Symposium YOURFEST 2016, at Usha Rama College of Engineering and Technology                             | 2015-16 | 1 <sup>st</sup> prize | Technical paper                              |
| A National Level Techno-Management Symposium on Interpersonal and Management Skills (NIPUNA) at S.R.K.R.Engineering College, Bhimavaram          | 2015-16 | 2 <sup>nd</sup> prize | Event Robo Gaming                            |
| Dhanush-2k16, A Two Day National Level Techno- Cultural Symposium at Dhanekula Institute of Engineering & Technology, Vijayawada                 | 2015-16 | 1 <sup>st</sup> prize | Event Tech Trix                              |
| National Level Technical Symposium jignasa-2016 at Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology , Vijayawada | 2015-16 | 1 <sup>st</sup> prize | Event Project Expo                           |
| BECTAGON 2K16 and at Bapatla Engineering College   | 2015-16 | 1 <sup>st</sup> prize | Event Desmonta                               |
| BECTAGON 2K16 and at Bapatla Engineering College   | 2015-16 | 2 <sup>nd</sup> prize | Event Machine Mania                          |
| BECTAGON 2K16 and at Bapatla Engineering College   | 2015-16 | Consolation prize     | Event Desmonta                               |

### Details of MOU's

| Name of the company                      | Date / month of MOU         | Expiry date of MOU          |
|--|-----------------------------|-----------------------------|
| NEERAJ INDUSTRIES, KANURU, VIJAYAWADA    | MARCH 2016                  | -                           |
| GS ALLOYS CASTINGS LTD VIJAYAWADA        | MARCH 2016                  | -                           |
| M/S KRISTNA ENGINEERING WORKS VIJAYAWADA | MARCH 2016                  | -                           |
| JD POWDER METALLURGY                     | 23 <sup>RD</sup> MARCH 2016 | 23 <sup>RD</sup> MARCH 2019 |

### No of students qualified for higher studies

| Year    | GATE | PGE CET            | TOFEL / GRE / IELTS | CAT | Total |
|---------|------|--------------------|---------------------|-----|-------|
| 2015-16 | 06   | YET TO GET RESULTS | 9                   | NIL | 15    |

### Faculty Up gradation

| PhD                      | CSE | ECE | EEE | ME  | IT | CE | ECM | AE | FED | Total |
|--------------------------|-----|-----|-----|-----|----|----|-----|----|-----|-------|
| Pursuing                 | -   | -   | -   | 17  | -  | -  | -   | -  | -   | -     |
| Obtained in last 3 years | -   | -   | -   | 4   | -  | -  | -   | -  | -   | -     |
| Guiding by our faculty   | -   | -   | -   | 1/3 | -  | -  | -   | -  | -   | -     |
| Total                    | -   | -   | -   |     | -  | -  | -   | -  | -   | -     |

### Faculty Publications:

| Papers Published          | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
|---------------------------|---------|---------|---------|---------|
| International Journals    | 23      | 40      | 29      | 17      |
| National Journals         | -       | -       | -       | -       |
| International Conferences | 02      | 01      | 07      | 07      |
| National Conferences      | -       | 03      | -       | 01      |
| Total                     | 25      | 44      | 36      | 25      |

## Training Programmes

|  | 2012-13 |                 | 2013-14 |                 | 2014-15 | 2015-16 |                 |
|--|---------|-----------------|---------|-----------------|---------|---------|-----------------|
| No of Programs organized inside the institute            | 5       |                 | 8       |                 | 7       | 10      |                 |
| No of beneficiaries                                      | 48      |                 | 125     |                 | 124     | 205     |                 |
| No of programs attended by faculty outside the institute | 13      | ICT Based<br>03 | 19      | ICT Based<br>03 | 12      | 15      | ICT Based<br>03 |
| No of beneficiaries                                      | 16      | 19              | 26      | 20              | 30      | 31      | 30              |