

# Department of MECHANICAL ENGINEERING



#### **Editorial Board**

#### Chief Editor & Advisor:

Dr. Syed Azam Pasha Quadari Professor & HOD- Mech

#### Faculty:

- 1. Mr. Ramavath Suman Assistant Professor
- 2. Mr. Mohd Ibrahim
  Assistant Professor

#### **Students:**

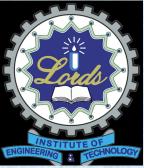
- Mohammed Nemath
   160921736309
   B.E. (Mech) IV-Sem.
- Ibrahim Haneef
   160920736301
   B.E. (Mech) VI-Sem.

# **NEWSLETTER**

2022-2023

(Even Semester)

# MECHRONICLE



#### LORDS INSTITUTE OF ENGINEERING & TECHNOLGOY

(An Autonomous Institution)

Approved by AICTE | Affiliated to Osmania University | Estd.2002 | Accredited 'A' grade by NAAC

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#### i. Foreword

#### Dr. Syed Azam Pasha Quadari

Professor & Head,

Department of Mechanical Engineering



#### Greetings...!

A hearty welcome to the **Department of Mechanical Engineering** at Lords Institute of Engineering and Technology, Hyderabad. The objective of the department is to prepare students for a successful career in industry, research and academics to meet the needs of growing technology. The department has well qualified and dedicated faculties and the department strives to impart knowledge and training of the highest standard. The department always believes in outcome-based education and also develops critical thinking, analyzing skills and inculcates research capabilities among the learners. Our efforts are to develop the ability among students to synthesize data and technical concepts for application to product design. We provide an opportunity for students to work as members of a team on multidisciplinary projects. Mechanical engineering department provides students with a sound foundation in the mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for higher studies as well as research. We promote student awareness for life-long learning and to introduce them to professional ethics and codes.

The department preserves its achievements and publishes its all activities by bi-annual magazine 'MECHRONICLE'. I extend my sincere thanks and regards to the Management, Principal and the Staff members of the mechanical department who always support me to implement my plans for the development of the department.

It gives me immense pleasure to lead the Department of Mechanical Engineering,

Best wishes...!

#### ii. Vision & Mission of Department

#### Vision

To become center of repute for high standards of quality mechanical engineering education, research and entrepreneurial skills.

#### Mission

- > **DM1:** To impart quality professional education that meets the needs of present and emerging technological world
- ➤ DM2: To strive for student achievement and success, preparing them for life, career and leadership.
- > DM3: To provide a scholarly and vibrant learning environment that enables faculty, staff and students to achieve personal and professional growth.
- ➤ **DM4:** To contribute to advancement of knowledge, in both fundamental and applied areas of engineering and technology.
- > **DM5:** To forge mutually beneficial relationships with government organizations, industries, society and the alumni.

Note: DM: Department Mission

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#### iii. Program Educational Objectives (PEOs)

- ➤ PEO1: Exhibit strong fundamental knowledge in basic and engineering sciences to find suitable solutions of technological and real-life challenges using innovative tools.
- > PEO2: Demonstrate technical competency and problems solving skills through state of art facilities for adequate technical solutions.
  - **PEO3:** Pursue good job opportunities and higher education with continuous learning, multidisciplinary activities, team work, effective communications, tools usage.
  - **PEO4:** Provide consultancy services to industrial, societal challenges with sustainable development and ethics.

# 1. Faculty Contributions

#### 1.1 Ph. D Guided

| Name of the<br>Scholar  | Guide<br>Name                 | University<br>/Institute of<br>registration | Date of<br>Completion | Торіс   | Area of<br>Research       |
|-------------------------|-------------------------------|---|-----------------------|---|---------------------------|
| Mohd FazalUr<br>Rahman, | Dr. Syed<br>Nawazish<br>Mehdi | from Singhania<br>Univeristy,<br>Rajasthan  | 2023.                 | Performance Optimization of 500MW Steam Turbine   | Thermal<br>Engineering    |
| Mohd Hasham,<br>Ali     | Dr. Syed<br>Nawazish<br>Mehdi | JNTUH                                       | 2023.                 | Design Modifications of theblade of vertical axis wind turbine rotor and its performance evaluation | Mechanical<br>Engineering |

# 1.2 Ph. D Guiding

| S. No | Guide Name           | Name of the Scholar           | University /Institute<br>of registration | Year of<br>Registration |
|-------|----------------------|-------------------------------|--|-------------------------|
| 1.    |                      | Mr. Ravinder Reddy            | JNTU                                     | June 2001               |
| 2.    |                      | Mr. P. Sunil Kumar            | OU                                       | May 2003                |
| 3.    |                      | Mr. Md. Abdul Samad           | JNTUH                                    | : Sept. 2009            |
| 4.    |                      | Mr. Mir Mujtaba Ali<br>Quadri | Mewar Univ.,                             | Reg. 2014               |
| 5.    | Dr. Syed<br>Nawazish | Mr. Jai Krishna S             | Mewar Univ.                              | 2015                    |
| 6.    | Mehdi                | Mr. Mohd Hasham Ali           | JNTUH                                    | 2016                    |
| 7.    |                      | Mr. Mohammed Irfan<br>Ali     | OU                                       | . 2017                  |
| 8.    |                      | Mr. Md. Irfan                 | Mewar Univ                               | 2017                    |
| 9.    |                      | Mr. S. Irfan Sadaq            | Mewar Univ                               | 2017                    |
| 10.   |                      | Mr. Md. Abdul S               | Mewar Univ.                              | 2017                    |
| 11.   |                      | Mr. Kumbale Anil              | OU                                       | 04-09-2018              |
| 12.   |                      | G. Bhaskar                    | OU                                       | 04-09-2018              |
| 13.   |                      | N. Srinivas Rajneesh          | OU                                       | 04-09-2018              |
| 14.   |                      | B.Sunderlal Naik              | OU                                       | 12-05-2022              |
|       |                      |                               |  |                         |

| 15. |                            | S. Bhaskar       | JNTUH | 17-07-2009 |
|-----|----------------------------|------------------|-------|------------|
|     | Dr. Mohammed<br>Yousuf Ali |                  |       |            |
| 16. |                            | B. Raja Narender | JNTUH | 2012       |
| 17  |                            | M. Udaya Kumar   | JNTUH | 2010       |

# 1.3 Ph. D Awarded.

| S.No. | Name of Author        | Title  | Date of awarded | Name of the<br>University                |
|-------|-----------------------|--|-----------------|--|
| 1.    | Mr. Md<br>Misbahuddin | Optimum static and dynamic response of laser welded corrugated Core sandwich panel for different grade steel materials | 28-08-2023      | APJ Abdul Kalam<br>University Indore M.P |

# 1.4 Ph. D Pursuing

| S.No | Faculty Name                 | University<br>of<br>Registration | Year of registration | Topic  | Area of<br>Research    |
|------|------------------------------|----------------------------------|----------------------|--|------------------------|
| 1.   | Mr.<br>Samatham<br>Madhukar  | NIT Surat                        | 2023                 | Optimization of Additive Manufacturing Processes   | Manufacturing          |
| 2.   | Mr. Syed Aslam               | JNT<br>UH                        | 2016                 | Optimum Response of laserwelded corrugated core sandwich panel for different steel grade material                              | Thermal<br>Engineering |
| 3.   | Mr. Mohd Asif<br>Kattimani   | VTU                              | 2018                 | Experimental evaluation offatigue life for functionally graded material of gas turbine hub                                     | Thermal<br>Engineering |
| 4.   | Ms. Dunga<br>Simhana<br>Devi | LPU                              | 2018                 | Thermo-economic analysis of diesel engine using wasteplastic as feed stock   | Thermal<br>Engineering |
| 5.   | Baquer<br>Mohiuddin          | VTU                              | 2016                 | Study on the effect of<br>various defects on<br>vibrationcharacteristics<br>of helical<br>gears made of different<br>materials | Production             |

## 1.5 Faculty Attended FDPS/Workshops/Seminar/Guest lectures

| S. No                     | Name of the<br>Faculty   | Title of the FDP/Training Activities/STTPs  | Duration |
|---------------------------|--|---|----------|
| 1                         | Dr. Syed Azam<br>Pasha Quadri  | Implementation of national Education policy 2020: Industry & Institute Linkage          | 2 days   |
| 2                         | Dr. Syed Nawazish<br>Mehdi   | National Level FDP on "Teaching, Learning, and Evaluation Techniques for Effective OBE" | 5 days   |
| 3                         | Mr. Syed Aslam   | Conduction and Convection: Fundamentals and Applications                                | Jul-Oct  |
| 4                         | Mr. Ramavath<br>Suman  | ICT tools for Digital learning, students engagement and industry connect                | 1 day    |
|                           |  | Emerging technologies   | 2 weeks  |
|                           |  | 3D Printing technology and its Application in Industry 4.0                              | 5 days   |
| 5                         |  | Implementation of national Education policy 2020: Industry & Institute Linkage          | 2 days   |
|                           |  | Effective teaching learning and Research  | 1 Week   |
|                           | Mr. Mohd Khalid<br>Ahmed   | Engineering Drawing and Computer<br>Graphics (NPTEL)                                    | Jul-Oct  |
|                           |  | IP Awareness/Training program   | 1 day    |
|                           |  | 3D Printing technology and its Application in Industry 4.0                              | 5 days   |
|                           |  | Unlocking Innovation: Exploring Research,<br>Innovation and Patent                      | 1 Week   |
| 6                         | Mr. Mohammed Implementation of national Education policy Asif Kattimani 2020: Industry & Institute Linkage |   | 2 days   |
|                           |  | Properties of materials (Nature and properties of materials: III) (NPTEL)               | Feb-Apr  |
|                           |  | 3D Printing technology and its Application in Industry 4.0                              | 5 days   |
|                           |  | Metal Additive Manufacturing (NPTEL)  | Jul-Oct  |
| 7                         | Mr. K Prashanth  | ICT tools for Digital learning, students' engagement and industry connect using uLektz. | 1 day    |
|                           |  | Hybrid Electric Vehicles  | 5 days   |
|                           |  | Enhancing Research Ecosystem in the campus  | 5 days   |
|                           |  | Recent Advancement in Heat Exchanger Technologies: Experimentations and simulations     | 5 days   |
|                           |  | 3D Printing technology and its Application in Industry 4.0                              | 5 days   |
| 8 Mr. D.H<br>Pachchinavar |  | Innovative methods in finite elements analysis using Ansys & Abaqus                     | 1 week   |
|                           |  | 20 <sup>th</sup> National cyber security and cybercrime awareness session               | 1 day    |
|                           |  | IP Awareness/Training program   | 1 day    |
| 9                         | Mr. Md<br>Misbahuddin  | Implementation of national Education policy 2020: Industry & Institute Linkage          | 2 days   |

|    |                           | Engineering Drawing and Computer<br>Graphics (NPTEL)  | Jul-Oct |
|----|---------------------------|---|---------|
|    |                           | Unlocking Innovation: Exploring Research,<br>Innovation and Patent                                  | 1 Week  |
| 10 | Dr. Sumeet<br>Hangargi    | Teaching, Learning and Evaluation Techniques for Effective OBE                                      | 5 days  |
|    |                           | Emerging Technologies   | 2 weeks |
| 11 | Mr. Gyara Ajay            | E-QUIZ on World Wildlife Day  | 1 day   |
|    | Kumar                     | E-QUIZ on the Eve of National Science Day   | 1 day   |
|    |                           | J-GATE as a search & Discovery tool to access journal literature in Engineering & technology        | 1 day   |
|    |                           | EBSCO E-BOOKS awareness Program   | 1 day   |
| 12 | Mr. Samatham              | Implementation of National education policy   | 2 days  |
|    | Madhukar                  | 3D Printing technology and its Application in Industry 4.0  | 5 days  |
|    |                           | Product Design and Manufacturing (NPTEL)  | Jan-Apr |
|    |                           | Automation in Manufacturing (NPTEL)   | Jul-Oct |
| 13 | Mr. Sheshikanth<br>Mohrir | Design and Development of Drone- Hands on Experience  | 1 day   |
|    |                           | Enhancing Research Eco system in Campus   | 5 days  |
|    |                           | Integrating Autodesk fusion-360 in Engineering subjects.  | 1 week  |
|    |                           | Entrepreneurship and startup for Beginners  | 1 day   |
|    |                           | Trends and Challenges in the Development of Electric Vehicles & Hybrid Electric Vehicles series -II | 5 days  |
|    |                           | ICT tools for Digital learning, students' engagement and industry connect using uLektz              | 1 day   |
|    |                           | Unlocking Innovation: Exploring Research,<br>Innovation and Patent                                  | 1 Week  |
|    |                           | Effective teaching learning and Research  | 1 Week  |
| 14 | Mr. Mohd Ibrahim          | Effective teaching learning and Research  | 1 Week  |
| 15 | Mr. Shaik Mohd            | IP Awareness/Training program   | 1 day   |
|    | Hussain                   | 3D Printing technology and its Application in Industry 4.0  | 5 days  |
| 16 | Mr. Sarap<br>Raghavendra  | Effective teaching learning and Research  | 1 Week  |

# 2. Professional Society

#### **Faculty Membership Details**

| S No. | Name of the Professional Society                              | <b>Total Faculty Members</b> |
|-------|---|------------------------------|
| 01    | ISTE  | 32                           |
| 02    | IAENG   | 29                           |
| 03    | ASME  | 01                           |
| 04    | The Combustion Institute                                      | 01                           |
| 05    | The Institution of Engineers                                  | 02                           |
| 06    | The National Society of Fluid Mechanics and Fluid Power India | 01                           |
| 07    | Solar Energy Society of India                                 | 01                           |

## **ISTE Membership**

| S. No | Name of the Faculty         | IEEE<br>Membership<br>Number |
|-------|-----------------------------|------------------------------|
| 1     | Dr. Mohammed Yousuf Ali     | LM18527                      |
| 2     | Dr. Syed Nawazish Mehdi     | LM22721                      |
| 3     | Dr. Syed Azam Pasha Quadri  | LM120326                     |
| 4     | Mr. MOHAMMED ASIF KATTIMANI | LM120329                     |
| 5     | Mr. MOHAMMED IQBAL KHATIB   | LM120332                     |
| 6     | Mr. A NIHAR                 | LM120331                     |
| 7     | Mr. PRASHANT                | LM120327                     |
| 8     | Mr. DH PACHINAVAR           | LM120325                     |
| 9     | Mr. BAQUER MOHIUDDIN        | LM120322                     |
| 10    | Mr. KUMAR NAIK              | LM120318                     |
| 11    | Mr. Ramavath Suman          | LM127220                     |
| 12    | Mr. Guru Bramhananda Reddy  | LM127331                     |
| 13    | Mr. Mohd Khalid Ahmed       | LM127332                     |
| 14    | Mr. T. Hari Chandrudu       | LM127333                     |

|    | <u></u>                   | 1        |
|----|---------------------------|----------|
| 15 | Mr. C. Vikram             | LM127334 |
| 16 | Mr. Megavath Venu Kumar   | LM127335 |
| 17 | Mr. Mohammed Abdul Junaid | LM127336 |
| 18 | Mr. Raghavendra           | LM127337 |
| 19 | Mr. Mohammad Abbas Khan   | LM127338 |
| 20 | Mr. Noor Mohammed         | LM127339 |
| 21 | Mr. Medi Rakesh Kumar     | LM127340 |
| 22 | Mr. Md. Misbah Uddin      | LM127341 |
| 23 | Ms. S. Nagarani           | LM127342 |
| 24 | Mr. Khaja Ameer Khusro    | LM127343 |
| 25 | Mr. Jeevan                | LM127344 |
| 26 | Mr. Roshan Zameer Ahamed  | LM127345 |
| 27 | Mr. Sarap Raghavendra     | LM127346 |
| 28 | Mr. R. Mahesh Goud        | LM127347 |
| 29 | Ms.Dunga Simhana Devi     | LM122690 |
| 30 | Mr. Pandit K              | LM120328 |
| 31 | Mr. Pralhad kumar         | LM120321 |
| 32 | Mr. Sudheer               | LM120319 |

# IAENG Membership

| Sl. No. | Name of the Faculty                 | Membership Number |
|---------|-------------------------------------|-------------------|
| 1       | Dr. Syed Azam Pasha Quadri          | 168876            |
| 2       | Mr. Ramavath Suman                  | 202932            |
| 3       | Mr. Mohammed Asif<br>Kattimani      | 202166            |
| 4       | Md Misbahuddin                      | 224274            |
| 5       | Mr. Madem Guru<br>Bramhananda Reddy | 224240            |
| 6       | Mr. Medi Rakesh Kumar               | 202281            |
| 7       | Mr. Appam Nihar                     | 202280            |

|    | 1                               |        |
|----|---------------------------------|--------|
| 8  | Mr. Mohammed Iqbal Khatib       | 202165 |
| 9  | Mr. Kumara Naik                 | 202167 |
| 10 | Mr. Mohammed Abdul Junaid       | 202317 |
| 11 | Mr. Mohammed Abbas Khan         | 202976 |
| 12 | Mr. Dunga Simhana Devi          | 214440 |
| 13 | Mr. Samudrala Nagarani          | 214931 |
| 14 | Mr. Doddaningappa<br>Pachinavar | 202039 |
| 15 | Mr. Mohammed Khalid<br>Ahmed    | 219295 |
| 16 | Mr. Prashant Khasge             | 203628 |
| 17 | Mr. Telugollu Harichandrudu     | 214982 |
| 18 | Mr. Baquer Mohiuddin            | 219282 |
| 19 | Mr. Khaja Ameer Khusro          | 219616 |
| 20 | Mr. Jeevan                      | 219292 |
| 21 | Mr. Roshan Zameer Ahamed        | 219291 |
| 22 | Mr. Noor Mohammed               | 202930 |
| 23 | Mr. Rathnagiri Mahesh Goud      | 319308 |
| 24 | Mr. Raghavendra Sarap           | 221072 |
| 25 | Mr. Raghavendra Busappa         | 202162 |
| 26 | Mr. Meghavath Venu Kumar        | 202160 |
| 27 | Mr. Syed Aslam                  | 245715 |
| 28 | Mr. Gyara Ajay Kumar            | 245717 |
| 29 | Mr. Salman Shah Quadri          | 244726 |

#### **ASME Membership**

| Sl.<br>No. | Name of the Faculty     | Membership Number |
|------------|-------------------------|-------------------|
| 1          |                         |                   |
|            | Dr. Syed Nawazish Mehdi | 6977466           |

#### **The Combustion Institute Membership**

| Sl.<br>No. | Name of the Faculty     | Membership Number |  |
|------------|-------------------------|-------------------|--|
| 1          | Dr. Syed Nawazish Mehdi | LMC-1174          |  |

#### **The Institution of Engineers Membership**

| Sl.<br>No. | Name of the Faculty     | Membership Number |
|------------|-------------------------|-------------------|
| 1          |                         |                   |
|            | Dr. Syed Nawazish Mehdi | F108238-4         |
| 2          |                         |                   |
|            | Dr. Mohammed Yousuf Ali | F1208345          |

#### **NSFM & FPI Membership**

| Sl.<br>No. | Name of the Faculty     | Membership Number |
|------------|-------------------------|-------------------|
| 1          |                         |                   |
|            | Dr. Syed Nawazish Mehdi | L-203             |

#### **SAE Membership**

| Sl.<br>No. | Name of the Faculty     | Membership Number |
|------------|-------------------------|-------------------|
| 1          |                         |                   |
|            | Dr. Syed Nawazish Mehdi | 610591            |

#### **Solar Energy Society of India Membership**

| Sl.<br>No. | Name of the Faculty     | Membership Number |
|------------|-------------------------|-------------------|
| 1          |                         |                   |
|            | Dr. Mohammed Yousuf Ali | 0956/LM/2000      |

# **Student Membership Details**

| S No. | Name of the Professional Society            | Total Students |
|-------|---|----------------|
| 01    | Institution of Mechanical Engineers (India) | 108            |

# **Institution of Mechanical Engineers Membership**

| S. No | Name of the Professional<br>Society | Membership<br>Number | Student Roll No. |  |
|-------|-------------------------------------|----------------------|------------------|--|
| 1     | Syed Abbas                          | 80703418             | 160921736001     |  |
| 2     | Mohammed Tafaszul Ishaq             | 80703411             | 160921736002     |  |
| 3     | Syed Saleh                          | 80703408             | 160921736003     |  |
| 4     | Syed Ashraf Ali                     | 80703406             | 160921736004     |  |
| 5     | Mohd Sufiyan Pasha                  | 80703403             | 160921736005     |  |
| 6     | Mohammed Abdul Adnan                | 80703400             | 160921736006     |  |
| 7     | Yawar Shah Khan                     | 80703395             | 160921736007     |  |
| 8     | Shaik Aijaz                         | 80703391             | 160921736008     |  |
| 9     | Mohammed Akram Ali                  | 80703376             | 160921736010     |  |
| 10    | Mohammed Taaha Furqhan              | 80703372             | 160921736011     |  |
| 11    | Abdul Sameeullah Khan               | 80703370             | 160921736012     |  |
| 12    | Syed Yahiya Mohtesham Ali           | 80703371             | 160921736013     |  |
| 13    | Syed Mansoor Pasha                  | 80703373             | 160921736014     |  |
| 14    | Mohammed Safwan Khan                | 80703377             | 160921736015     |  |
| 15    | Mohammed Shoeb Nawaz Khan           | 80703424             | 160921736016     |  |
| 16    | Khaja Salwauddin                    | 80703415             | 160921736019     |  |
| 17    | Mohammed Ahmed                      | 80703412             | 160921736020     |  |
| 18    | M A Hussain                         | 80703409             | 160921736021     |  |
| 19    | Mohammed Ayman Hussain              | 80703407             | 160921736022     |  |
| 20    | Mohammed Safwan Khan                | 80703405             | 160921736023     |  |
| 21    | Abdulrahman Ahmed                   | 80703397             | 160921736025     |  |
| 22    | Mohammed Mateen                     | 80703393             | 160921736026     |  |
| 23    | Mohd Wasi Uddin                     | 80703387             | 160921736028     |  |
| 24    | Aamer Abdul Karim Khan              | 80703384             | 160921736029     |  |
| 25    | Mohd Ziya Uddin                     | 80703382             | 160921736030     |  |
| 26    | Shaik Mohd Uzair                    | 80703425             | 160921736031     |  |
| 27    | Shaik Niyazuddin                    | 80703422             | 160921736032     |  |
| 28    | Mohammed Ahsan Uddin                | 80703419             | 160921736033     |  |
| 29    | Mohammed Abdul Rehman<br>Khan       | 80703413             | 160921736035     |  |
| 30    | Mohammed Abdul Jabbar               | 80703386             | 160921736036     |  |
| 31    | Irfan Khan                          | 80703410             | 160921736037     |  |
| 32    | Syed Yasarullah                     | 80703404             | 160921736040     |  |
| 33    | Syed Noor Mohammed Shah             | 80703398             | 160921736042     |  |
| 34    | Mohammed Ismail Hassan Khan         | 80703394             | 160921736043     |  |
| 35    | Mohammed Mujtaba Khan               | 80703389             | 160921736045     |  |

| 36 | Mohammad Numan             | 80703402 | 160921736302 |
|----|----------------------------|----------|--------------|
| 37 | Mohammed Suleman           | 80703399 | 160921736303 |
| 38 | Mohammed Abdul Rahman      | 80703423 | 160921736304 |
| 39 | Mohammed Abdul Rahman      | 80703396 | 160921736305 |
| 40 | Mohammed Adnan Khan        | 80703392 | 160921736306 |
| 41 | Mohammed Arsalan           | 80703388 | 160921736307 |
| 42 | Mohammed Khezar Qureshi    | 80703385 | 160921736308 |
| 43 | Mohd Nemath                | 80703421 | 160921736309 |
| 44 | Mohd Omer Ahmed            | 80703383 | 160921736310 |
| 45 | Abdul Nadeem Uddin         | 80565811 | 160919736002 |
| 46 | Abdul Razzaq               | 80565902 | 160919736004 |
| 47 | Abdul Razzaq               | 80565909 | 160919736005 |
| 48 | Md Imran                   | 80565848 | 160919736009 |
| 49 | Mohammed Awais             | 80565901 | 160919736014 |
| 50 | Mohammed Muneem Ahmed      | 80565837 | 160919736017 |
| 51 | Mohammed Mustafa           | 80565847 | 160919736019 |
| 52 | Syed Sumair                | 80565844 | 160919736029 |
| 53 | Syed Shafi Uddin Irfan     | 80565846 | 160919736033 |
| 54 | Wali Mohammed Imran        | 80565944 | 160919736036 |
| 55 | Mujtaba Abdul Rasheed      | 80565814 | 160919736039 |
| 56 | Md.Abdul.Riyaz             | 80565724 | 160919736303 |
| 57 | Md Taqui Ahmed             | 80565694 | 160919736307 |
| 58 | Mohammad Abdul Azeez       | 80565804 | 160919736308 |
| 59 | Mohammad Abdul Razi Subhan | 80566010 | 160919736309 |
| 60 | Mohammed Abdul Jawad       | 80565842 | 160919736312 |
| 61 | Md Abdul Majeed            | 80565958 | 160919736313 |
| 62 | Mohammed Danish            | 80565865 | 160919736318 |
| 63 | Shaik Amer                 | 80565838 | 160919736325 |
| 64 | Shaik Ahmed                | 80565918 | 160919736327 |
| 65 | Shaik Mansoor              | 80565976 | 160919736328 |
| 66 | Shaik Wajid                | 80565961 | 160919736330 |
| 67 | Syed Sohail Ahmed          | 80565813 | 160919736333 |
| 68 | Mohammad Aqheel Shaikh     | 80565977 | 160920736003 |
| 69 | Mohammed Mudassir Ali Khan | 80566166 | 160920736010 |
| 70 | Syed Najmuddin Alvi        | 80565919 | 160920736011 |
| 71 | Mohammed Moheb-Ul-Saqlain  | 80565974 | 160920736018 |
| 72 | Syed Mudabbir Moinuddin    | 80565964 | 160920736024 |
| 73 | Syed Shujauddin            | 80565910 | 160920736025 |
| 74 | Abdul Wasay                | 80566009 | 160920736026 |
| 75 | Ahmed Abdul Mujeeb         | 80566005 | 160920736027 |
| 76 | Mohammad Shahid            | 80565912 | 160920736031 |
| 77 | Mohammed Hazim Sharief     | 80565921 | 160920736034 |
| 78 | Mohd Abdul Quader          | 80565708 | 16M21A03A4   |
| 79 | Syed Abrar Pasha           | 80565707 | 16M21A03B8   |
| 80 | Mohd Aamer Uddin Qadri     | 80565765 | 16M21A03E9   |
| 81 | Mohammed Hussain           | 80565713 | 16M21A03L5   |
| 82 | Mohammed Abdul Shahid      | 80565709 | 16M21AO390   |
| 83 | Md Aamir Hojeil            | 80565896 | 17M21A0389   |
| 84 | Mohammed Abdul Salam       | 80565773 | 17M21A03B1   |
| 85 | Istehsan Ahmed Khan        | 80565809 | 17M21A03C5   |
| -  |                            |          |              |

| 86  | Mohammed Khaiser           | 80565764 | 17M21A03E3 |
|-----|----------------------------|----------|------------|
| 87  | Mohammed Firdous           | 80565692 | 17M21A03F0 |
| 88  | Arshad Ali                 | 80565956 | 18M21A0307 |
| 89  | Pavan Kumar Ghanathe       | 80565704 | 18M21A0310 |
| 90  | Humer Bin Ali              | 80565803 | 18M21A0311 |
| 91  | Javvad Ali                 | 80565954 | 18M21A0312 |
| 92  | Mahed Bin Ali              | 80565893 | 18M21A0316 |
| 93  | Mohd Abdul Adnan Haq       | 80565703 | 18M21A0343 |
| 94  | Mohammad Abdul Wakeel      | 80565963 | 18M21A0344 |
| 95  | Mohd Asad Uddin            | 80565699 | 18M21A0346 |
| 96  | Muzarrif Alam              | 80565905 | 18M21A0355 |
| 97  | Pathakoti Kiran            | 80565693 | 18M21A0356 |
| 98  | Shaikh Md Ayan             | 80565726 | 18M21A0363 |
| 99  | Siddiq Ahmed               | 80565915 | 18M21A0366 |
| 100 | Syed Abdul Mannan Hussaini | 80565705 | 18M21A0367 |
| 101 | Mirza Ibrahim Baig         | 80565715 | 19M25A0307 |
| 102 | Mohammed Talha             | 80565816 | 19M25A0310 |
| 103 | Mohammed Abdul Mannan      | 80565962 | 19M25A0312 |
| 104 | Mohammed Aga Nawal-Ur      | 80565779 | 19M25A0314 |
| 105 | Shahzoor Khan              | 80565843 | 19M25A0318 |
| 106 | Shaik Zameer               | 80565701 | 19M25A0323 |
| 107 | Syed Khasim                | 80565836 | 19M25A0324 |
| 108 | Zoeb Saber Khan            | 80565935 | 19M25A0327 |

#### 3. NPTEL Certifications

# **Faculty**

| S<br>No | Course Name                         | Name of Faculty            | No. of weeks<br>course<br>(12Wk/8Wk/<br>4Wk) | Final Score | Certificate<br>Type    |
|---------|-------------------------------------|----------------------------|--|-------------|------------------------|
| 1       | Product Design and<br>Manufacturing | Madhukar<br>Samatham       | 12 weeks                                     | 57%         | Successfully completed |
| 2       | Properties of Materials             | Mohammed Asif<br>Kattimani | 8 weeks                                      | 66%         | Elite                  |

# **Students**

| S<br>No | Course Name                         | Name of Student  | No. of weeks<br>course<br>(12Wk/8Wk/<br>4Wk) | Final Score | Certificate<br>Type    |
|---------|-------------------------------------|------------------|--|-------------|------------------------|
| 1       | Product Design and<br>Manufacturing | Mohammed Mahboob | 12 weeks                                     |             | Successfully completed |

#### 4. Events

#### 4.1 Project Expo 2K23 (ME)

Title of the event: Project Expo-2K23

**Resource Person** 

Dr. Boda Handya, Professor, Department of Mechanical Engineering, University college University College of Engineering Hyderabad

**Description:** Project Expo-2K23 was conducted by the Department of Mechanical Engineering on 23rd May 2023. Dr. Boda Handya, Professor, Department of Mechanical Engineering, University College of En OU, . Hyderabad, was the Chief Guest for Project Expo-2K23. Mr. Syed Touseef Ahmed Vice-Chairman of the . Lords Institute of Engineering and Technology and Dr. Syed Azam Pasha Quadri, Vice Principal & Professor Department of Mechanical Engineering, LIET Hyd. And Mr. Ramavath Suman Head of the Department was present. All the projects were reviewed by a panel and appreciated by students for excelling in their academic field.

Organized by: Mechanical Engineering

**Date of event:** 23-05-2023

No. of students/participants attended: 62

#### **Banner**



#### **Photos:**







#### **4.2 Parent Teacher Meeting**

Name of the event: Parent-Teacher Meeting

**Department:** Mechanical Engineering

**Description:** The meeting was started as per the schedule and the department was ready with all the required data to be presented during the PTM like progress report card, attendance status, events etc. The meeting was started by the address of class in-charges with the parents after which the Head of the Department has addressed the parents followed by the principal's address.

The arrangements were made to interact one-to-one with Parent-Teachers so that each and every aspect of the ward's performance can be discussed and informed to the parents, in presence of their ward. The Mentors, Class In-charges and the Head of the Department have interacted with the parents & students. Also, discussed about the Result of CIE-I, Attendance & Academic Progress. During the discussion it was also informed the required support which department is extending towards the development of each and every child and at the same time the supports which are required from the parents for growth of their ward. All the Parents of second year students were also informed about the CRT, Internships, Syllabus Coverage, Attendance, Marks, Guest lectures, Seminars, Mentoring Process, Peer Learning and other activities which department is providing to the students.

**Venue:** 1<sup>st</sup> Floor (Room No.120)

**Date:** 24/06/2023

No of Parents attended: 50

**Banner** 



#### **PTM Photos**

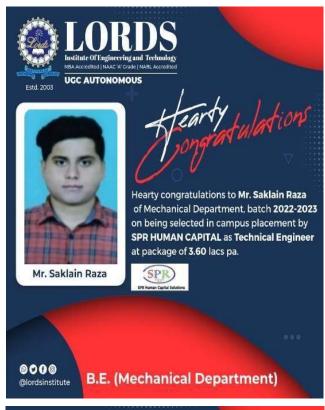




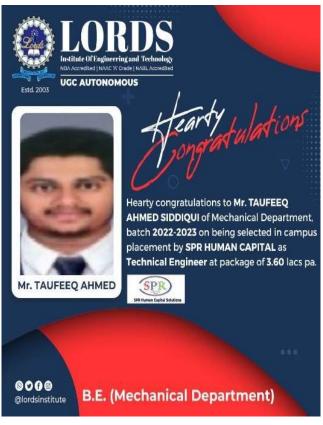


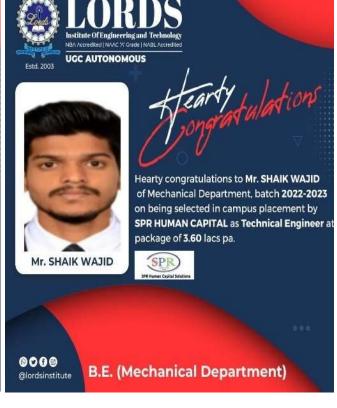


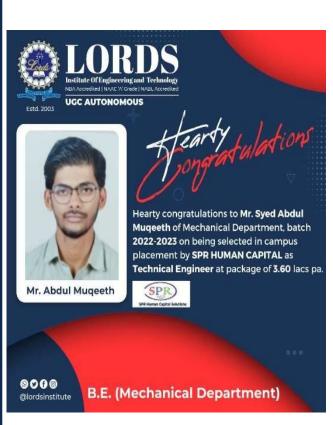
#### 5. Placements



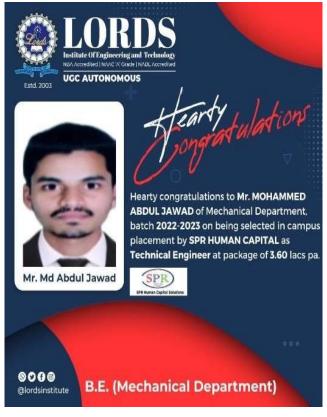


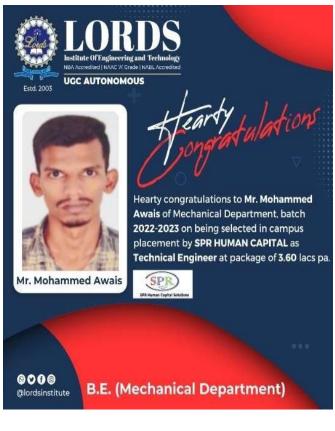












# 5. Internships

| Sr No. | Name of Company  | Number of<br>Students | Duration |
|--------|--|-----------------------|----------|
| 1      | BHEL   | 01                    | 1 Month  |
| 2      | Macro Industries Pvt. Ltd.                                   | 01                    | 1 Month  |
| 3      | Kukatpally Hyd.  Mekuva Technologies Pvt. Ltd. Hyd.          | 03                    | 1 Month  |
| 4      | Rane Enigne Valve Pvt. Ltd.                                  | 01                    | 1 Month  |
| 5      | DMRL Hyd.  | 03                    | 1 Month  |
| 6      | Shiva CNC Solutions and Technologies Pvt. Ltd. Nacharam Hyd. | 01                    | 1 Month  |
| 7      | Hitech India Private Limited Cherlapally Hyd.                | 02                    | 1 Month  |
| 8      | VRU Techno Private Limited, Hyd.                             | 01                    | 1 Month  |
| 9      | Medha Servo Drives Pvt. Ltd.  Mallapur Hyd.                  | 01                    | 1 Month  |
| 10     | Siri Power Systems Technologies Pvt. Ltd. Jeedimeta, Hyd.    | 01                    | 1 Month  |
| 11     | Professional Education Services                              | 04                    | 1 Month  |
| 12     | Mechanow India Pvt. Ltd.                                     | 01                    | 1 Month  |

#### **Internship Photos**









# 7. Students Participations and Achievements

#### 7.1 Student Publications

| S. No | Name of the<br>Author/Autho<br>rs  | Title  | Journal (Full<br>Name)  | Month &<br>Year of<br>Publication | Indexing |
|-------|--|--|---|-----------------------------------|----------|
| 1     | Mohammed<br>Aamer Sayeed,<br>Mohammed<br>Abdul Jawad,<br>Mohammed<br>Abyan | Design and fabrication of dual mode solar panel Array cleaning machine                   | International Journal of<br>CreativeResearch<br>Thoughts(IJCRT)       | May-<br>2023                      | UGC      |
| 2     | Md Saklain Raza,<br>Wasim Rahman,<br>MdImran                               | Fabrication and Testing of Tilting Head Industrial Pipe,Plate and Angle Handling Vehicle | Journal of Emerging Technologies and Innovative Research (IJTIR)      | May-<br>2023                      | UGC      |
| 3     | Md Taqui Ahmed,<br>Shaik Mansoor,<br>Md.Razi Subhan                        | Design and fabricationof<br>human Air comfort<br>Jacket                                  | International Journal of<br>CreativeResearch<br>Thoughts<br>– (IJCRT) | June-2023                         | UGC      |

#### 7.2 Student Participation

| S<br>No | Name of student      | Name of Event | Торіс                                      | Venue            | Date                        |
|---------|----------------------|---------------|--|------------------|-----------------------------|
| 1       | Syed Taqi<br>Hussain | Work Shop     | Composite <b>Materials</b> and 3D Printing | MRC<br>Hyderabad | 13-07-2023 to<br>15-07-2023 |
| 2       | Fardeen Khan         | Work Shop     | Composite Materials and 3D Printing        | MRC<br>Hyderabad | 13-07-2023 to<br>15-07-2023 |
| 3       | Mohd Ismail          | Work Shop     | Composite Materials and 3D Printing        | MRC<br>Hyderabad | 13-07-2023 to<br>15-07-2023 |

# 7.3 Awards/ Rewards

| S.<br>No | Student<br>Name | Name of the<br>Event                       | Topic             | Venue  | Date       | Award/<br>reward |
|----------|-----------------|--|-------------------|--|------------|------------------|
| 1        | Syed Ahmed      | A National Level<br>Technical<br>Symposium | Technical<br>Quiz | JCT College of Engineering & Technology, Pichanur, Coimbatore 641105, TamilNadu, India | 27-04-2023 | Second           |
| 2        | Shaik Arbaaz    | MECH ZEAL-<br>2K23                         | Cad<br>modeling   | Velalar College of<br>Engg. & Tech.<br>Chennai-TD                                      | 24-02-2023 | Second           |

"Department of Mechanical Engineering
strives for the holistic development of the students,
Focus is laid on the growth of
Life Skills along with exposing them to
the latest technologies."

