**REPORT ON THE ACADEMIC AUDIT**

**(Academic Year August, 2021 - July, 2022)**

1. **Department of Mechanical Engineering**
2. **VISION OF THE DEPARTMENT**

**To nurture Mechanical Engineers with a passion for professional excellence, who are ready to take on global challenges and serve the society with high human values.**

1. **MISSION OF THE DEPARTMENT**

**M1:** To provide facilities and infrastructure for academic excellence in the field of Mechanical Engineering.

**M2:** To inculcate in the students a passion for understanding professionalism, ethics, safety, and sustainability, and enable them to contribute to the society.

**M3:** To nurture creativity of the students and encourage them to come up with innovative solutions to real life problems.

**M4:** To prepare the student for lifelong learning with global perspective.

1. Intake capacity (Program wise):

|  |  |
| --- | --- |
| **Name of Program** | **Intake capacity** |
| B.Tech. [Mechanical Engineering] | 117 |
| M.Tech. [MSD] | 25 |
| M.Tech. [ITMM] | 26 |
| Ph.D. [Mechanical Engineering] | 25 |

1. Students Enrollment (Program wise):

|  |  |  |  |
| --- | --- | --- | --- |
| **Program** | **Home State** | **From other State of India** | **Total** |
| B.Tech. [Mechanical Engineering] | 55 | 56 | 111 |
| M.Tech. [MSD] | 07 | 00 | 07 |
| M.Tech. [ITMM] | 05 | 00 | 05 |
| Ph.D. [Mechanical Engineering] | 07 | 01 | 08 |

1. No. of students graduating (Program wise):

|  |  |  |  |
| --- | --- | --- | --- |
| **Program** | **Female** | **Male** | **Total** |
| B.Tech. [Mechanical Engineering] | 07 | 72 | 79 |
| M.Tech. [MSD] | 01 | 10 | 11 |
| M.Tech. [ITMM] | 01 | 03 | 04 |
| Ph.D. [Mechanical Engineering] | 00 | 06 | 06 |

1. Number of classrooms and seminar halls with ICT facilities: **03**
2. Total number of computers available for students: **100**
3. No. of Research Scholars who have obtained Master’s degree from other universities: **01**
4. No. of Research Scholars receiving fellowships viz., NET-JRF, NFST, Project Fellows, UGC- MZU Fellows, any other: **Nil**

1. Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/ Civil services/State government examinations): **N.A.**
2. Number of outgoing students placed during the year: **60**
3. No. of awards received by students (Other than Sl. No. 10): **N.A.**
4. Students Progression to Higher Studies (Numbers only): **03**
5. Syllabus revision (Major/Minor)
6. Faculty strength and specialization.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr. No.** | ***Name*** | ***Designation*** | ***Qualifications*** | ***Specialization*** | **No. of Students** | |
| **M.Tech** | **PhD** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
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17. Research Publications in the Journals

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of paper** | **Name of author(s)** | **Name of Journal** | **Year of Publication with Volume and Page numbers** | **SCI/Scopus** |
|  |  |  |  |  |

18. Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of the teacher** | **Title of the book/chapters published** | **Title of the paper** | **Title of the proceedings of the conference** | **Name of the conference** | **National / international** | **Year of publication** | **ISBN/ISSN number of the proceeding** | **Name of the publisher** |
|  |  |  |  |  |  |  |  |  |

19. Teacher : Student Ratio :

20. Teacher : Research Scholar Ratio :

21. Success Rate of Students (Program wise) :

|  |  |
| --- | --- |
| **Name of Program** | **Success Rate** |
|  |  |

22. Revenue generated from Consultancy by the Department (if any) during the year:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Consultant(s) department** | **Name of consultancy project** | **Consulting/Sponsoring Agency** | **Revenue generated (amount in rupees)** |
|  |  |  |  |

23. Research funds sanctioned and received from various agencies, industry and other organisations:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the Project/ Endowments, Chairs** | **Name of the Principal Investigator** | **Department of Principal Investigator** | **Year of Award** | **Funds provided (Rs.)** | **Duration of the project** |
|  |  |  |  |  |  |

24. Student Mentoring (mentor-wise list with mentee):

|  |  |
| --- | --- |
| **Name of Mentor** | **No. of Mentees** |
|  |  |

25. Number of Patents filed/published/awarded:

26. Details of seminar/symposia/conference/refresher course/training programmes/Webinars organized during the year:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Name of Convener/Coordinator** | **Title of seminar/course** | **Sponsoring Agency** | **Duration with dates** | **No. of internal and external participants** | **Proceedings published**  **Yes/No** |
|  |  |  |  |  |  |  |

27.

(a) No of foreign collaborations either in the form of publications/research:

(b) No of collaborations with other national institutions:

28. Details of distinguished alumni of the Department

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Student** | **Email** | **Present employer** | **Employer address** | **Pay package at appointment** |
|  |  |  |  |  |

29. No. of Functional MoUs:

30. **SWOC Analysis**

1. **Strength:**

(i)

(ii)

(iii)

1. **Weaknesses:**

(i)

(ii)

(iii)

1. **Opportunities:**

(i)

(ii)

(iii)

1. **Challenges:**

(i)

(ii)

(iii)

31. Any other information, which is not covered above:

32. Suggested Road map keeping students’ interest in the core and to ensure better visibility:

**Observations of the Academic Audit Team:**