

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.

3. 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.

4. 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

5. 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

6. 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

7. Number of classrooms and seminar halls with ICT facilities: **03**

8. Total number of computers available for students: **100**

9. No. of Research Scholars who have obtained Master's degree from other universities: **01**

10. No. of Research Scholars receiving fellowships viz., NET-JRF, NFST, Project Fellows, UGC-MZU Fellows, any other: **Nil**

11. 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.**

12. Number of outgoing students placed during the year: **60**

13. No. of awards received by students (Other than Sl. No. 10): **N.A.**

14. Students Progression to Higher Studies (Numbers only): **03**

- 15.
16. Syllabus revision (Major/Minor)
17. Faculty strength and specialization.

Sr. No.	Name	Designation	Qualifications	Specialization	No. of Students	
					M.Tech	Ph D

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:

24. Student Mentoring	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided (Rs.)	D c p

(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

A. Strength:

- (i)
- (ii)
- (iii)

B. Weaknesses:

- (i)
- (ii)
- (iii)

C. Opportunities:

- (i)
- (ii)
- (iii)

D. 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: