



Impact of MOU's 2022-23

Department of Mechanical Engineering

About the Department

The Department of Mechanical Engineering is in the forefront of promoting Industry Institute Interaction by organizing collaborative workshops, seminars, expert talks, field visits etc. It emphasizes on development of practical skills to make students employable and industry ready. The department has qualified & experienced faculty from core areas of Mechanical Engineering, i.e., Design, Thermal, Manufacturing, Automation & Industrial Engineering with average experience of more than 10 years. The Department is actively involved in consultancy, testing and training for industries and Government organizations. We also intend to tie up with local industries to set up centers of excellence to jointly promote research and development and other activities.

Vision

Our Vision:

To evolve as a Centre of Excellence in Mechanical Engineering with strong Industry Connect ensuring engineers with a global perspective and professional ethics, thus adding value to society.

Mission

Our Mission

- To ensure proficiency in academics with emphasis on fundamental concepts and problem solving leading to practical applications in the field of Mechanical Engineering.
- To provide state of the art Training in collaboration with reputed Industries and Institutions focusing on interdisciplinary domains.
- To engage in Research, Consultancy services and promote Community outreach Initiatives.
- To promote Faculty Development through Quality Improvement Programs and Research.

The Department of Mechanical Engineering has signed a Memorandum of Understanding (MoU) with the following reputed organizations:

Sr. no	Name of Organization/Institute	Date of Signing
1.	SANOVI HEALTHCARE INDIA PVT. LTD.	22 nd January 2019
2.	TURBOCAM INDIA PVT. LTD.	4 th October 2019
3.	GODREJ AND BOYCE MFG COM LTD.	15 th October 2019
4.	ASTRA METAL SYSTEMS LTD.	15 th October 2019

The purpose of collaborating with reputed Industries is:

1. To recognize mutual interest in the field of research, training and development and dissemination of knowledge.
2. To recognize the importance of collaboration with industries within the field of expertise.
3. To foster industrial internship for engineer interns in order to get exposure in the industries which will be mutually beneficial for the students and the parties.
4. To provide a platform where experts from the corporate and students come under one roof.
5. To ensure professionals from industries and faculty from DBCE with relevant experience and expertise to share knowledge in relevant areas with changing technology.
6. To relate course curriculum with real life technological processes.
7. To develop research and innovation ability among budding engineers/interns.
8. To ensure entrepreneurship skills among willful engineers/ interns/ candidates.
9. To set a ground for long term institute and industry relationship for field visits, guest lecturers and skill development.

1. MoU with Sanofi Healthcare India Pvt. Ltd.

A Memorandum of Understanding which was signed by Don Bosco College of Engineering, Fatorda with Sanofi Healthcare India Pvt. Ltd., a multinational pharmaceutical company having its Formulation Development Centre at Verna, Goa on 22nd January 2019 was renewed on 1st August 2021.



Field Visit to Sanofi Healthcare India Pvt. Ltd., Verna

➤ Impact of MOU for the Year 2022-23

Sl. No.	Particulars	Nos.
1	Internships	05
2	Talks	01
3	Field visits	01

- Mr. Prasad Adpaikar delivered a talk on 'Role of Engineering in Pharma industry on 12th April 2023 for TE(Mech.) students as part of the audit course in Maintenance Engineering
- A field visit was organized to the Sanofi R&D plant at Verna on 12th April 2023 TE (Mech.) students. The visit was coordinated by Prof. Swapnil Ramani.
- Mr. Prasad Adpaikar attended Academic Advisory Board meeting and gave valuable suggestions.
- Five students underwent 2 months internship at the Sanofi R&D plant at Verna from August to October 2022. During the internship tenure, the faculty mentors from the institute visited the industry to obtain the feedback on performance of the students.

2. MoU with Turbocam India Pvt. Ltd.



CNC Workshop

A Memorandum of Understanding signed by Don Bosco College of Engineering, Fatorda with Turbocam (India) Private Limited, of manufacture of sophisticated aero foil components for aerospace, power generation, automotive and other industries at Margao Industrial Estate, Goa was renewed on 10th October 2022.

➤ **Impact of MOU for the Year 2022-23**

Sl. No.	Particulars	Nos.
1	Internships	08
2	Talks	01

➤ **CNC Centre**

- The maintenance team of Turbocam India Pvt. Ltd. visited 8 times to the center for service of CNC Milling machine
- Electronic component for control unit worth around Rs. 30000/- was replaced by the company
- One day hands-on workshop on “CNC Programming” was conducted by Prof. Sachin Turi and Prof. Gaurish Samant on 25th March 2023
- Consultancy work for Precitech Component, Honda is in process for machining of MS shafts



Robotic Cell Project

- Project titled “**Robotic cell for deburring & laser marking of jet engine**” sponsored by Turbocam India Pvt. Ltd. For the academic year 2022-23.
 - They received sponsorship of Rs. 30000/-
 - Total cost of project: Rs. 24.3 Lakhs
- **Expert Talks**
- Joel Colaco, *Automation support Engineer* delivered a talk on “His Professional Journey” during the orientation program for FE (Mech.) students on 11/8/2023



Talk by Mr. Joel Colaco

➤ **Kshitij 2023**

- Mr. Anthony Naronha, *Sales Manager* was the judge for mechanical projects at Kshitij 2023



Kshitij 23

3. MoU with Godrej and Boyce Mfg Com Ltd.



Best distinguished Alumni

- Mr. Amogh Prabhudessai, Deputy Manager at Godrej and Boyce Mfg Com Ltd. , Madkai, Goa received the “Best Distinguished Alumni” Award for the year 2022-23.
- 2 students of 2022-23 batch were selected through campus placements as graduate engineer trainees

4. MoU with Astra Metals Pvt. Ltd.

Sl. No.	Particulars	Nos.
1	Internships	02
2	Placements	01
3	Field visits	01



Field Visit to Astra Metals Plant, Verna

- A field visit was organized to Astra Metals Plant at Verna on 7th October 2022. The visit was coordinated by Dr. Suraj Marathe and Prof. Chetan Gaonkar