



Impact of MOU's

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, experts 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.	SANOFI INDIA PVT. LTD. - VERNA	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 Institutes 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 India Pvt. Ltd.

SANOFI INDIA PVT. LTD. - VERNA

A Memorandum of Understanding was signed by Don Bosco College of Engineering, Fatorda with Sanofi-Synthelabo (India) Private Limited, a multinational pharmaceutical company having its Formulation Development Centre at Verna, Goa on 22nd January 2019. The purpose of this MOU is to collaborate with the Department Of Mechanical Engineering of DBCE for Industrial Internships, field visits, Placements, Guest lectures, seminars/workshops, corporate training programs, Skill Development etc. The collaboration will provide a platform where experts from the corporate with relevant experience and expertise will share knowledge in the area with changing technological scenarios. It will help to develop research and innovation ability and entrepreneurship skills among budding engineers. It will also facilitate exchange of facilities and knowledge among both the organizations. It will also aim to facilitate research among the faculty members. The MOU was signed by Dr. Praveen Khullar, Head of Goa Global Development Centre & Deputy Head – Scientific & Technical Support, Sanofi and Fr. Kinley D`Cruz, Director, Don Bosco College of Engineering. Mr. Manoj Kharde, Senior Manager- Human Resource & Admin and Mr. Prasad Adpaikar, Manager – Engineering and Operations and Prof. Ajit Salunke, HOD Mechanical Engineering Department were also present during the occasion.



Signing of MOU – DBCE and Sanofi on 22nd January 2019

- **IMPACT**

	Number of participants			
	2017-18	2018-19	2019-20	2020-21
Internships	-	4	2	-
Talks	1	1	-	1
Corporate Training	-	5	3	4+2

- Prof. Ajit Salunke delivered a talk on “Role of DCS/SCADA at Sanofi Synthelebo India Pvt Ltd on 12th July 2019
- Prof. Ajit Salunke delivered a talk on ‘3d printing’ at Sanofi Synthelebo India Pvt Ltd. on 24th August 2019
- Mr. Prasad Adpaikar from SANOFI delivered a Webinar on Maintenance in Pharma industry organized by Mechanical Engineering Dept., DBCE on 9th July 2021
- Prof. Ajit Salunke participated in a Webinar by SANOFI in association with GCCI on 30th June 2021
- Two industry professionals from SANOFI participated in 2 days webinar on ‘Introduction to 3d printing’ organized by Mechanical Engineering Dept., DBCE on 7-8 August 2020
- Four industry professionals from SANOFI participated in a webinar on ‘Energy Efficiency in Industries Through Energy Auditing’ organized by Mechanical Engineering Dept., DBCE on 10th July 2021
- Mr. Prasad Adpaikar from SANOFI attended Academic Advisory Board meeting on 25th July 2020 & 27th Feb 2021 and gave valuable suggestions

2. MoU with Turbocam India Pvt. Ltd.

TURBOCAM INDIA PVT. LTD.

TURBOCAM is a global leader in innovative manufacturing solutions for high performance turbomachinery flow path components, serving customers in the aviation, space transport, automotive turbocharger, power generation, and industrial gas compression markets.



MOU Signed with Turbocam on 4th October 2019

A Memorandum of Understanding was 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 on 4th October 2019. The purpose of this MOU is to collaborate with the Department of Mechanical Engineering of DBCE for Industrial Internships, field visits, Guest lectures, Student Projects, seminars/workshops, corporate training programs, Skill Development etc. The collaboration will provide a platform where experts from the corporate with relevant experience and expertise will share knowledge in the area with changing technological scenarios. It will help to develop research and innovation ability and entrepreneurship skills among budding engineers. It will also facilitate exchange of facilities and knowledge among both the organizations. It will also aim to facilitate research among the faculty members.

The MOU was signed by Mr. Savio Carvalho, Director, Turbocam India Pvt. Ltd. and Fr. Kinley D`Cruz, Director, Don Bosco College of Engineering. Dr. Neena Panandikar, Principal, DBCE , Prof. Ajit Salunke, HOD Mechanical Engineering Department .Prof. Swapnil Ramani, Assistant Prof Mechanical Engineering Department and members of the Engineering Department in Turbocam were also present during the occasion.

- **IMPACT**

	Number of participants			
	2017-18	2018-19	2019-20	2020-21
Placements	-	03	03	01
Internships	04	07	03	-
Field visits	01	01		-
Collaborative Workshops	1	1	1	-
Corporate Training	-	04	-	-
Funding (Amount)	100000/-	150000/-	-	Rs. 10000/-

- Rs. 250000/- sponsored by Turbocam for setting up of research lab in Mechanical Department
- Rs. 10000/- sponsored by Turbocam for 3d printing webinar organized by Mechanical Department, DBCE from 7-8 August 2020
- Mr. Savio Carvalho, Director Turbocam has attended several meetings with regards to Procurement of CNC machine at FIIRE and is actively involved in its installation
- Rs. 25000/- sponsored by Turbocam for ISTE workshop in 2013

3. MoU with Godrej and Boyce Mfg Com Ltd. & Astra Metal Systems Pvt. Ltd.

Don Bosco College of Engineering signed MOU with Godrej and Boyce Mfg Com Ltd, Madkai, Industrial Estate, Ponda and Astra Metal Systems Pvt. Ltd. Verna during the Inauguration of Centre of Excellence for Employability Enhancement (CEEE) on 15th October 2019 at Taleigao Community Centre. The event was organized by the Directorate of Technical education, Goa and was graced by Dr. Pramod Sawant, Hon. Chief Minister of Goa, who was the Chief Guest. Mr. James Kurian, Associate Vice President signed the MOU on behalf Godrej and Boyce Mfg Com Ltd. and the MOU with Astra Metal was signed by Mr. Satish Shinde, Managing Director. Rev. Fr. Kinley D’Cruz, Director signed the MOUs on behalf of Don Bosco College of Engineering in presence of Dr. Neena Panandikar, Principal and Prof. Ajit Salunke, HOD (Mechanical).



MOU Signed with Godrej and Astra metals on 15th October 2019

GODREJ AND BOYCE MFG COM LTD.

Engineering excellence and a strong pioneering spirit continues to underscore the operating philosophy of Godrej & Boyce Mfg. Co. Ltd. (G&B), the flagship company of the Godrej Group. Since 1897, G&B has played a pivotal role in India's economic growth and created sustainable value for all its stakeholders through its products and services across ten industries.

With revenues of INR 11,500 crore (FY 2019-20) and over 14,000 committed employees, G&B's diverse presence across 10 industries – from building complex bespoke engineering solutions to making branded consumer goods like appliances, furniture, locks and security solutions. G&B positively impacts the lives of one-third of India's population. Through international subsidiaries and joint ventures, the company's products have also established a strong global footprint across 5 continents. Earnestek and Don Bosco College of Engineering entered into a MoU on 21st August 2019. The scope of this MoU involves training and internship to willing candidates. The MoU also encourages conduct of workshops, training sessions, guest lectures and technical model competitions at either organisation.

- **IMPACT**

	Number of participants			
	2017-18	2018-19	2019-20	2020-21
Placements	02	-	01	01
Internships	02	-	-	-
Field visits	-	01	-	-
Corporate Trainings	-	-	02	-

ASTRA METAL SYSTEMS LTD.

Astra Metal Systems Ltd. is an end-to-end solutions provider for Precision Metal and Assemblies. (Mechanical and Electro-Mechanical) The industry has been serving national and international clients for around two decades. The company is AS9100C and ISO-9001-2015 certified.

- **IMPACT**

	Number of participants			
	2017-18	2018-19	2019-20	2020-21
Placements	-	-	02	02
Internships	-	-	02	-
Field visits	01	01	-	-