

# ***Mechanical Engineering Department***

## ***Industry Internship AY 2021-22***

Student will undergo a minimum 12 weeks of internship in an industry to get exposure to the practical aspects of the Mechanical Engineering. In addition, the student may also work on a specified task or project which may be assigned to him/her by industry mentor in coordination with institute mentor. The outcome of the industrial training should be presented in the form of a report. The certificate of completion issued by concerned Industry is mandatory and the same is required to attach in the report.

### **Objectives:**

1. To create competent professionals for the industry.
2. To provide possible opportunities to learn, understand and sharpen the real time technical / managerial skills required at the job
3. To give exposure of the current technological developments relevant to the subject area of training to the students.
4. To learn applying the technical knowledge in real industrial situations
5. To gain experience in technical/project report writing.
6. To give exposure to the students about responsibilities and ethics of the engineer.
7. To become familiarize with various materials, processes, products and their applications along with relevant aspects of quality control.
8. To understand the social, economic and administrative considerations that influence the working environment of industrial organizations.
9. To understand the psychology of the workers and their habits, attitudes and approach to problem solving.
10. To strengthen industry-institute linkage and increase employability of the students.

### **Guideline for Industry Internship:**

1. The internship shall be a full time for the whole duration.
2. A plan for the whole internship duration shall be prepared after joining the industry in the consultation with the industry and institute mentors. It shall contain the activities/ visits to different sections etc. with appropriate timelines.
3. A student should submit a brief proposal about the work to be carried out in the Internship to a department committee formed by head of department within 2 weeks, after starting the internship.
4. A detailed daily diary (project workbook) is to be maintained by student. It shall be duly signed by the concerned supervisor of industry. It shall be submitted to the department at the time of final presentation and also as and when asked by the department.
5. A comprehensive report is required to be prepared and submit to the department at the end of the semester. A certificate shall be attached with this report duly signed by the competent authority of the industry for the successful completion of the internship. Concerned department may also asked for an attendance report of the student.

6. The internal evaluation shall be done at the start of the semester, at the mid of the semester and at the end of the semester (as per project guideline). The internal marks shall be allocated as decided by head of the department.
7. Signed attendance report, progress report shall be sent to/presented to the department during the evaluation stages.
8. The report shall be submitted to the institute which may include the objective of internship, about the industry, process, product line, equipment/machineries involved, divisions/sections in the industry, any competitor, scope of some improvement in the process/product/efficiency, benefit by the training etc.
9. The industry supervisor may be invited at the time of internal and external examination of the internship. It can be an online presence also.
10. The evaluation by external examiner shall be made considering the all guidelines.

**Our 94 students have successfully completed their internship in various 53 industries in different segments at 15 different locations, in line that following are some prompt industries where our students doing well in their internship period.**

- **LINDE ENGINEERING**
- **Jyoti CNC**
- **Larsen & Toubro**
- **Nirma Chemical Complex Ltd.**
- **Apollo Tyre Ltd.**
- **Welspun Corp Limited**
- **Elecon Gears**
- **GMM Pfaudler Ltd**
- **HLE Glascoat**
- **Kabra Extrusion Technik Limited**