SUMMER INTERNSHIP

Each mechatronics engineering student must do two summer internships, one at the end of the second year and the other at the end of the third year. The principles regarding summer internships are specified in **the Engineering Faculty internship directive**. Our students must first read this instruction. For summer internships, the internship diary to be filled in by the company can be downloaded from the **link**.

INTERNSHIP APPLICATION PROCEDURE
Sample internship workplaces are given in the **link** for the first internship to be done by our students. Apart from the workplaces in the list, our students will be able to do internships at workplaces that are deemed appropriate by the department.

MECE 200 INTERNSHIP

Purpose: The purpose of MECE 200 Summer Internship is to use the theoretical knowledge of the student in the courses in a company that manufactures mechatronic products. In this context, the student gets information about manufacturing processes and examines Mechatronics Engineering applications. They also observe and experience the process of creating technical drawings and how they are used in the production process.

Duration: The duration of MECE 200 Summer Internship is 20 working days. Students are expected to work at the firm where they do internships on weekdays for 4 weeks.

Scope: Within the scope of MECE 200 Summer Internship, students are expected to:
- Learn the production techniques applied in the factory,
- Learn the organizational structure of the factory,
- Learn how to analyze the cost of products,
- Learn how the technical drawings used in production are applied.

Internship report: MECE 200 Summer Internship report should be prepared in accordance with **the Engineering Faculty internship directive** and following the template in **the internship guide**. In the report, the student should:

- Give general information about the company,
- Explain the organizational structure of the factory and give the organizational chart,
- Explain the production techniques used in the factory,
- Draw both the detailed drawings and assembly drawings of 2 products produced at the factory as technical drawing at factory standards,

- Make the cost analysis of the two products mentioned above.

While preparing the technical drawings of the products of the factory, some dimensions of the products or the materials used can be changed upon the request of the factory. Similarly, cost analysis can be prepared parametrically and without the sale price.

MECE 300 SUMMER INTERNSHIP

Purpose: The purpose of the MECE 300 Summer Internship is to use the theoretical knowledge of the student in the courses in an engineering firm. In this context, the student gets information about research and development processes and design and manufacturing planning.

Duration: The duration of MECE 300 Summer Internship is 20 working days. Students are expected to work at the firm where they do internships on weekdays for 4 weeks.

Scope: Within the scope of MECE 300 Summer Internship, students are expected to:
• Learn the organizational structure of the company,
• Learn the research and development processes used in the company,
• Learn the design and / or manufacturing planning processes used in the company,
• Learn about production lines and control systems in the company.

Internship report: MECE 300 Summer Internship report should be prepared in accordance with **the Engineering Faculty internship directive** and following the template in **the internship guide**. In the report, the student should:

• Give general information about the company,

• Explain the organizational structure of the company and give the organizational chart,

• Research and development processes used in the company should be explained,

• Design and manufacturing planning processes used in the company should be explained,

• Explain the control system and sensors used in the production line in the company and draw the input-output diagrams in the production process.