

Term Project Definition: Teams of students are required to prepare a term project. The project includes a study explaining how a selected part is manufactured. The students need not to observe the processes on-site (i.e. in a factory or a workshop), however this is encouraged by a 10 points of bonus added to the project grade of the students involved. The projects will be finalized by a project report. Tentative schedule is announced in the syllabus of the course.

The details of the report and the presentation are stated below.

Content of the Report

In order to have an idea about the format of the report please see the IE 407-408 project reports format posted on web site of IE 407 course (<http://ie407.cankaya.edu.tr>). Please be very careful about plagiarism and referencing. In case of a copy/paste text in the final report, project group will certainly get a zero from the project.

The content of the report should be as below:

1. Description of the product.
 - a. Define the function of the product
2. Service requirements of the product
3. Selection of the material
 - a. Choose the most appropriate material that will meet the specified service requirements. Justify your selection.
4. Selection of the processes
 - a. Select the possible processes that can be used to manufacture the part, in an order. Explain your reasoning.
 - b. Draw manufacturing flow chart of the part and give a detailed description of manufacturing processes involved.
5. Comparison of the processes
 - a. Propose an alternative way to manufacture the part. Give brief description of the alternative. (You may write down the processes you have observed in a factory.)
 - b. Compare and contrast the method that you have chosen in step 4 with that stated in step 5a.

Submission of the project reports: The project reports should be uploaded to IE 243 online in <http://webonline.cankaya.edu.tr/>.

In order to upload your project reports using the online page, you have to register the course using the password provided in the lecture hour.

Attention: The deadline for submission of the project reports that will be announced during the semester will be strict. You will have no second chance to upload the files after the deadline. The submission system will be automatically closed just after deadline.