

IE 478 Spring 2021 Information on Final Meetings to the Course Coordinators (May 2021)

Meetings with the course coordinators will take place on Friday, May 21 and Saturday, May 22. This will be the final meeting you will have with the coordinators in which we will ask questions related to the presentation video you will submit and provide our final remarks.

Presentation Video: For this meeting, you should prepare a 12-minute presentation video in **Turkish** and submit it along with your ppt and pdf file by May 17 at 23:59. You are advised to get feedback from your AA prior to submitting this video. You must get approval from your IA to have this presentation shared publicly.

Recall the criteria for the success of any project:

Assessment Criterion 1: System design:

- Model development and validation
- Consideration of alternatives: Extent to which the team demonstrated critical thinking in the design processes – Scenario/What if analysis
- Model usage for changing environments
- Creativity: Extent to which the team developed a novel solution to the design problem while still achieving a functional design
- Technical competencies: Extent to which and validity of the technical aspects have been used properly, including methods, tools and techniques

Assessment Criterion 2: Success of the design:

- Attainment of project deliverables: Extent to which the goals of the project and end-user specifications have been met
- Benchmarking: A comparison of the current and proposed system should be provided along with a cost/benefit analysis
- Implementation and system integration: Extent to which the proposed system is successfully implemented and integrated into the existing system – if not applicable, then a detailed implementation plan and a pilot study is to be provided)
- End-user evaluation and assessment: A written statement from the industrial advisor(s) evaluating the project
- Impact on the organization: Effect of the proposed system on the organization (financial impact, simplified operations, etc) – in terms of performance measure(s) used in validation as well as other performance measures
- Global and societal impact: As an additional consideration

Below, please find useful information on presentations:

Main objective of this presentation is to make sure that you present the essence of the work that has been done, with what you see as the punch line at the end. (Roughly, the following are expected: Problem description and identification; Solution approach and validation; Integration with current system - Implementation; Benefits of project to the company and project deliverables.)

As you will have your presentation in Turkish, a good reference for Turkish IE Technical terms can be found in Çetinkaya, Ferda Can, “Endüstri Mühendisliği ve Mühendislik Yönetimi Sözlüğü (İngilizce - Türkçe)”, TMMOB Makina Mühendisleri Odası, Yayın No: 2007/426, 2007, Ankara.

The following indicate our expectations with respect to your presentation:

- Please make sure that you present appropriate level of detail and technical content to convey your ideas in a clear and concise way. **Do not assume your audience to have any prior knowledge of your work.** So you are expected to cover your work with some details that will show your work as IE's, while considering that part of the audience may be non-IE, as well.
- We expect powerful use of visual input to reinforce/communicate ideas
- Please, make sure that you use a professional tone of language.
- The first screen we see should contain all of the following (you may want to add more, but the below list constitutes the minimum information we ask for):
 - ❖ Company's name and correct logo;
 - ❖ Bilkent University's logo;
 - ❖ Name of the Project – in Turkish;
 - ❖ Your Academic Advisor's name /surname;
 - ❖ Your Industrial Advisors' name(s)/surname(s);
 - ❖ Name/Surname of group members in alphabetical order of surnames;
 - ❖ Date of the finalized video.
- Your interactions with the IA(s) (or the company):
 - ❖ Dates for benchmarking and/or validation efforts (can be the dates for the data used; the actual dates of controlled experiments run by the company; dates where you discuss your results with company representatives and get detailed feedback; dates for demos you carried out; etc)
 - ❖ Other interactions regarding your “almost complete” recommendation – dates, and impressions
 - ❖ Company's reactions to demos carried out
- You are expected to end your presentation with a screen (or a series screens) which describe the benefits of your work. Make sure that you are as clear as possible and reflect your findings without prejudice.

We would like to remind you once again that:

- The video should not exceed 12 minutes.
- The camera views of all group members must be visible on one side of the video frame (see the most recent document on the course web page for details)