

# SYSTEM DESIGN IE477 - IE 478

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Defne Tan

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### Outline

- IE478 Remaining Requirements and Dates
  - Last event: Project Fair
- Feedback



### Remaining Requirements

- Booklet report (April 22)
- Final report (Draft April 29, Final May 13)
- One-page PowerPoint slide a project summary (May 5)
- Poster for fair (Draft May 5, Final May 14, twelve pre-qualified groups)
- Submission of the deliverables (company and Bluesky, May 13)
- Peer evaluation forms (May 13)
- Fourth CC Meetings (May ?? and ??, eight finalists ann. May ??)
- Project Fair (May 30, eight finalist rehearsal May 29)
- Meetings with companies (your own schedule)



### Remaining Requirements

#### April 22

booklet report

#### April 29

final report draft

#### May 5

- one-page PowerPoint slide
- poster draft

#### May 13

- final report
- deliverables (company / Bluesky)
- peer evaluation forms

#### - May 14

- twelve pre-qualified groups
- poster final

#### May 24 (tentative)

- · fourth CC Meetings,
- · eight finalists announced

#### May 29

Project fair rehearsal of eight finalists

#### May 30

Project Fair

#### June XX

 Meetings with companies (schedule yourselves)



# **April 22** Booklet Report

- By the time the booklet is in print
  - Projects will be over
  - Do not describe any future work in the booklet report.
  - Do not use future tense for the jobs planned and to be completed before semester is over.
- If received Tübitak support,
  - do not forget to acknowledge the award
  - CPs will be informed about the format of acknowledgment section.

# April 29 – May 13 Final report

- Titles, subtitles
  - not generic
  - descriptive of the content of the following section
- Use figures and tables
- Appendix
  - Start with a brief description of its content
  - Carry lonely figures and table to the main text
- Synthesis
  - Whole experience, lessons drawn, possible extensions
- Acknowledge Tübitak if received support



# May 5 Poster

#### In Turkish

- Draft Submission: May 5
- Feedback: On or about May 9
- Final Submission: May 14





# May 10 Powerpoint Slide

- To be shown on screen during the project fair
- In Turkish

- One page project summary
- Bilkent, approved company logo, project title
- Group photo

- Use template on the course web page
  - Do not modify the template



### Algida Önerilen Ürün Portföyü Optimizasyonu





#### Unilever Türkiye

Bu projede derin sinir öğrenmesine dayalı ürün yelpazesi tahminleme modeli geliştirilmiştir. Model her bir satış noktası için, önerilen ürün yelpazesi ile satışı maksimize ederken dengeli ürün dağılımı sağlamaktadır.

#### Proje Grubu

Eda Coşkun, Kerem Fidan, İpek Han, Ali Egemen Özdek, Pelin Nur Özgür, Nilsu Gül Sözer, Okan Yıldız

#### Şirket Danışmanı

Berkay Çomak

#### Akademik Danışman

Dr. Öğr. Üyesi Taghi Khaniyev



### May 13 Deliverables

- To the company
  - Decision support system
    - installed
    - activated
    - ready to be used
  - Supporting documents
    - final project report
    - user manual (kullanım kılavuzu)
- To Bluesky link to be sent in a zip file
- The IAs will evaluate in an electronic form.



# Fourth CC Meeting

### 5 minute presentation: an executive summary

- problem definition
- 2. approach / short model description
  - intuition
  - capabilities
  - limitations

### 3. emphasize

- benefit of the project to the company
- use numbers
- most effective if presented on the last slide



# Fourth CC Meeting

- All presentations in Turkish and live
- 12 groups pre-qualified (to be announced May 14)
   May ?? between ??:00 ??:00
- Remaining groups
   May ?? between ??:00 ??:00

Reserve a time slot via link to be shared
Upload presentations one day before meeting – no videos



### Project Fair Timeline

- Project Booklet (April 22)
- Project Poster / PPT Slide (May 5 / May 14)
- Finalists announced (May ??)
- Finalist group rehearsals (May 29, Odeon)
  - one 20-30 minute free rehearsal per group
  - expect the rehearsal to be any time that day.
- Project Fair and Competition (May 30, Odeon)



# May 30 Project Fair

- The whole afternoon
- All students must be present
  - must have registered ticket system by now
  - regardless of whether you are a finalist
  - grades for IE478 to be submitted June
- All groups present posters, guest Q&A
- Competitions
  - Best Project 8 groups independent jury
  - Best Presentation 8 groups all guests
  - Best Poster 15 groups all guests



### **Project Fair and Competition**





### **Project Fair and Competition**



# Meeting w/ Company Officials

- Additional presentation after the submission of the deliverables
- Professionalism
- Enhance reputation of IE, Bilkent and future
- Good impression pays back
- Very likely to meet your IA and collaborators and become colleagues
- You are close to be a part as alumni



# Feedback on 3rd CC Presentations

- Complete validation and benchmarking
- Complete pilot study, report dates and outcome
- Mention company reaction to your findings
- Deliverables: developed...
  - not user interface but a decision support system
  - not Python/R algorithm but an algorithm and implemented in Python/R
- User interface: add company and Bilkent logos
- Presentations: do not overload / do not read



### Final Presentation Recap

### 5 minute executive summary of your project

- Clear and concise problem definition
- Approach
- Deliverables
- Pilot study results
- Last slide: benefits (expressed in numeric measures)

In present tense (project over, impact lasting)



### Effective Presentations

- practice
  - without printed notes
  - without turning back to screen (slides visible on front monitor on stage -- small – cannot read)
- present vital parts time is limited
- only slides you want your audience to see
- draw attention of audience
  - use animations and colors | font size/color readable
  - zoom in / out tables and figures
- memorable last slide: striking but realistic benefit figures



### Effective Presentations

#### **Examples of Good Presentations**

- inspect <u>pptx on the course web page</u> and
- watch on <u>youtube</u>



# Good Luck