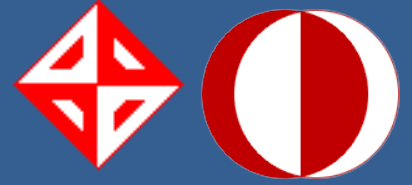


27 February | 2012

# CENG 492

## Iteration Schedule



İbrahim Kıvanç ERTÜRK 1560192

Süleyman YILMAZ 1631215

Gizem ÖĞRÜNÇ 1631316

Aykut ŞİMŞEK 1631415

Sponsored by: **innova**  
future ready solutions



“Turkish Sign Recognition Using Microsoft Kinect”

## ITERATION SCHEDULE

*You are expected to plan all implementation, testing, presentation and documentation tasks you will perform in this semester by detailing the last schedule you have specified in your Detailed Design Document. **Your progress throughout the semester will be tracked considering this schedule.***

*The schedule consists of iterations. **At the end of each iteration, you are expected to add some functionality to your product and deliver a stable executable subset of the final product. You will make a demo at the meeting following the last day of iteration to your assistant. Note that reports cannot be only output of an iteration, you have to make some implementation.***

*You should follow this road map while planning iterations:*

- 1. Determine a sharing of modules among team members in which each module is assigned to at most two members. Present this sharing in Table 1 in the Module Assignment section. Make sure that each and every module is covered in the table.*
- 2. Decompose development of each module into well-defined tasks and assign a unique id for each task.*
- 3. Assign each task **to only one team member**. (You may distribute tasks of a module between the two team members responsible for the module.)*
- 4. Assign each task to a single iteration. (If you think the task may take more than two weeks to complete, try to decompose it into parts.)*

*Finally, you are expected to have your schedules reviewed by your teaching assistants (in your next meeting) and sponsor companies, all parties should agree on the schedule.*

### Module Assignment

Module Name	Responsible Team Members
Graphical User Interface Module(GUI-Module)	Aykut ŞİMŞEK
Hand Sign Recognizer Module (HSR-Module)	Kıvanç ERTÜRK Gizem ÖĞRÜNÇ
Database Module (DB-Module)	Süleyman YILMAZ

Table 1 Module Assignment

*\* "Module Name" column corresponds to the module specified in your design document which the task is a part of.*

*\*\*Task Description should be a phrase like "Displaying Agents On Simulation Screen", "Implementing communication protocol X", "Implementing X screen controls".*

## Iteration Schedule

### Iteration 1

**Period:** 27.02.2012 – 11.03.2012

Task ID	Task Description**	Responsible Team Member	Module Name*
1	Literature research for revising gesture recognition algorithm. (Focus on probabilistic matching algorithms)	Kıvanç ERTÜRK	HSR-Module
2	Testing the initial recognition algorithm with newly added gestures, identifying the downsides of the current algorithm and providing feedback to the rest of the group for further algorithm implementation.	Gizem ÖĞRÜNÇ	HSR-Module
3	GUI design and integrating the new design to the existing interface including integration of visuals and backend functionalities.	Aykut ŞİMŞEK	GUI-Module
4	Identification and integration of initial gesture coverage for ~10 gestures.	Süleyman YILMAZ	DB-Module
5	Web Page (visual design)	Kıvanç ERTÜRK Aykut ŞİMŞEK	Web Page
6	Web Page (content)	Gizem ÖĞRÜNÇ Süleyman YILMAZ	Web Page
7	CM (Configuration Management) Plan Report	All Members	CM Plan Report

### Iteration 2

**Period:** 12.03.2012 – 25.03.2012

Task ID	Task Description	Responsible Team Member	Module Name
1	Finishing complete system GUI design. (Aykut will be shifted to HSR-Module after this iteration)	Aykut ŞİMŞEK	GUI-Module
2	Integrating GUI Module with HSR-Module	Kıvanç ERTÜRK	HSR-Module
3	Implementing revised gesture recognition algorithm.	Gizem ÖĞRÜNÇ	HSR-Module
4	Creating MSSQL database for selected 10 gestures.	Süleyman YILMAZ	DB-Module
5	First Development Snapshot Demo	All Members	First Development Snapshot Demo

**Iteration 3****Period:** 26.03.2012 –08.04.2012

<b>Task ID</b>	<b>Task Description</b>	<b>Responsible Team Member</b>	<b>Module Name</b>
1	Literature research on Teaching mode implementation, working on online education techniques.	Kıvanç ERTÜRK	System Core
2	Implementing gesture recognition similarity algorithm to be able to provide user feedback in Teaching Mode (To tell how well the user did the selected gesture)	Aykut ŞİMŞEK	HSR-Module
3	Consulting educational professionals for Teaching mode implementation.	Gizem ÖĞRÜNÇ	System Core
4	Implementing backend functionalities to connect the MSSQL database to the system. (As this task is completed Suleyman will be shifted to HSR-Module)	Süleyman YILMAZ	DB-Module

**Iteration 4****Period:** 09.04.2012 –22.04.2012

<b>Task ID</b>	<b>Task Description</b>	<b>Responsible Team Member</b>	<b>Module Name</b>
1	Teaching Mode implementation (Making necessary changes in DB Module)	Süleyman YILMAZ	HSR-Module
2	Teaching Mode implementation (Making necessary changes on main functionalities)	Gizem ÖĞRÜNÇ	HSR-Module
3	Literature research on improving gesture recognition algorithm (Ex. Matrix representation of relative positions of body joints)	Aykut ŞİMŞEK	HSR-Module
4	Initial system testing. Identifying bugs, defects and submitting them to be fixed by all team members.	Kıvanç ERTÜRK	System
5	Test Specifications Report	All Members	Test Specifications Report
6	Poster (Draft)	All Members	Poster (Draft)

#### Iteration 5

**Period:** 23.04.2012 -06.05.2012

Task ID	Task Description	Responsible Team Member	Module Name
1	Fixing known system bugs (DB-Module % HSR-Module)	Süleyman YILMAZ	DB-Module HSR-Module
2	Implementing newly found gesture recognition algorithms and finalizing recognition module.	Kıvanç ERTÜRK	HSR-Module
3	Fixing know system bugs (GUI-Module & HSR-Module)	Aykut ŞİMŞEK	GUI-Module HSR-Module
4	Initial system testing. Identifying bugs, defects and submitting them to be fixed by all team members.	Gizem ÖĞRÜNÇ	System

#### Iteration 6

**Period:** 07.05.2012 -20.05.2012

Task ID	Task Description	Responsible Team Member	Module Name
1	Finalizing GUI Module implementation	Aykut ŞİMŞEK	GUI-Module
2	Finalizing DB Module implementation	Süleyman YILMAZ	DB-Module
3	Finializing HSR Module implementation	Kıvanç ERTÜRK	HSR-Module
4	Complete system integration	Gizem ÖĞRÜNÇ	System
5	First Release Demo	All Members	First Release Demo
6	User Manual	All Members	User Manual

#### Iteration 7

**Period:** 21.05.2012 -09.06.2012

Task ID	Task Description	Responsible Team Member	Module Name
1	Revising general system implementation.	Gizem ÖĞRÜNÇ Aykut ŞİMŞEK	All Modules
2	Identifying new gestures to be added	Kıvanç ERTÜRK	DB-Module
3	Adding new gestures to DB-Module	Süleyman YILMAZ	DB-Module
3	Final Package	All Members	Final Package
4	Poster (final)	All Members	Poster (final)