# Icon Description automatically generated

**ANTIA**

Weekly Progress Report

Week 11

*Presented by:*

Afer OLKAY

Başak KOCA

Çağrı ARI

Kubilay KAYA

Rana BÖĞREKCİ

# General Summary

This week, our team has been focused on the writing of the conceptual design report for our project. We held several meetings to discuss and plan the content of the report. We also made progress on the actual writing of the conceptual design report.

# Afer OLKAY

## Activities completed in the last week

Started to write a conceptual design report.

## Activities remaining from last week

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## Activities for the next week (short term plan)

Finishing the conceptual design report.

Preparing the visual slides for presentation.

## Activities for the next week (medium term plan)

Improve ball detection.

Start creating a user interface.

Solidifying our mechanical components.

# Başak KOCA

## Activities completed in the last week

Conceptual design report is started to be written.

## Activities remaining from last week

A 3D model of the training buddy will be sketched.

## Activities for the next week (short term plan)

A complete 3D model of the training buddy will be sketched on the computer. It will be detailed and improved with the changing design parameters and additional components of the mechanical system.

## Activities for the next week (medium term plan)

Step motor will be fixed to the system.

# Çağrı ARI

## Activities completed in the last week

* Start writing CDR

## Activities remaining from last week

* Forming a detailed state diagram that indicates the action of TrainingBuddy to any verbal command

## Activities for the next week (short term plan)

* To complete related parts of CDR and presentation slides
* To prepare the 3D CAD model of the project

## Activities for the next week (medium term plan)

* Realizing a demo on MATLAB to determine whether it is feasible to detect, in spite of ambient noise, moments when the ball hits the ping pong table or racket by using the sounds recorded from specific locations
* To get rid of the error lines that SpeechRecognitionv1.0 code generates at its every run

# Kubilay KAYA

## Activities completed in the last week

* Conceptual Design Report is written

## Activities remaining from last week

* AC/DC Rectifier/Converter Circuit can’t be modified for our purposes.

## Activities for the next week (short term plan)

* AC/DC Rectifier/Converter equipment will be modified.
* New wheels will be built using silicon.
* Design of motor bed will be edited and re-printed.
* New ball box motor will be bought, and tested.

## Activities for the next week (medium term plan)

* All mechanical elements for ball thrower will be merged and tested

# Rana BÖĞREKCİ

## Activities completed in the last week

Conceptual deasign report was written. Subsystem definitions ov vibration and detection, and horizontal actuation parts are written. Design objectives and requirementsis being written. 3D design of the overall block is being made.

## Activities remaining from last week

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## Activities for the next week (short term plan)

Presentation to the advisors(overall) will be made.

## Activities for the next week (medium term plan)

Vibration sensor will be further researched.

Horizontal angle change for the barrel will be made.

Ball launcher sub modules will be integrated.