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**Middle East Technical University**

**Electrical - Electronics Engineering Department**

***EE493 - Engineering Design I***

***Weekly Report***

**Group Name:** λambda

**Date:** 21.11.2021 *(Week 5&6)*

**Design Coordinator:**

Associate Professor Dr. Elif Vural

**Members of Company :**

**-**Berk Erhan Yüksel

**-**Necdet Can Sönmez

**-**Mustafa Barış Emektar

**-**Alper Saraç

**-**Furkan İtkü

1. **Done During Week 5**
2. According to the Project-Based *Assessment Scale Table,* the two projects with the highest scores, “Cısss!” and “Home Security System” were once again compared and discussed.

* **In the re-evaluation, every member presented their concerns and feelings about the projects. Then, the projects were put to vote. The group voted unanimously for “Cısss!”, which was selected as the project to be implemented.**
* Possible solutions that can be used in the selected project and their feasibilities were reviewed in general. References that may be used for such solutions were noted down.
* General research about how the specifications of the project could/should be was done.
* Some studies similar to this project have been researched and reviewed.

1. A proposal report template was created and brainstorming was done for each section of this report. The topics discussed in the group related to the sections, such as Gantt Chart, functional, performance requirements, solution methods, and expected deliverables were prepared to be asked to Mrs. Vural at the next meeting.
2. **Planned for Week 6**
3. The proposal report will be written. The final decision will be made, and one of the projects (most probably the project "Cısss!") will be selected. Also, in the proposal report, the details of this chosen project and the company will be discussed in depth.

* For this report, an estimation of the component prices is needed. Hence, a meeting will be set for the discussion of potential components and their prices.
* Also, in this discussion, some of the possible methods for each subsystem will be discussed. This is somewhat necessary for the component selection, which is needed for the cost analysis part of the proposal report.

1. Now that the project to be implemented is selected, more specific details of the project may be discussed. The group must determine possible methods of implementation for the project, as well as any creative ideas about how it may be implemented, as well as other ideas such as how to optimize aspects like cost efficiency and power consumption. These discussions and ideas must be logged and kept organized for future review.