MSD in-house project

**Location:** TU/e and MS Teams

**Date:** 23/02/22

**Time:** 10:00-10:40

## Attendance

Erjen Lefeber, Rene van de Molengraft, Guilherme Pagatini, Anup Padaki, Kian Azami, Marzhan Baubekova

## Agenda Items

1. Project Progress
2. System functions decomposition
3. Team division and current tasks (discussion about the scope)
4. Questions from the team

## Action Items

1. Move Rene to Erjen’s position in stakeholders power/interest graph (they are both supervisors)
2. Redo functional decomposition: define the arrays and blocks; each block should be unique and express the functionality of the system. Motivate why a certain decomposition is chosen. Address the following questions:

* Why do we want to decompose the AutoRef system?
* What is the reason behind the certain decomposition? Provide objective arguments.
* How are we going to implement the referee so with 100-1000 situations happening in the field our system can cover most of them given the right choice of abstraction?

1. Create the meeting for the midterm presentation.
2. Propose the possible solution instead of asking what a minimum viable product is.
3. We try to contact **Rein Appeldoorn** about robot perception and navigation.

## Other Notes

During the functional decomposition, it is important to think about how did we arrive at certain levels and will the next generation decompose in a similar way. We should minimize the number of structures/levels of abstraction. We should think about top-level skills which will use low-level controllers to cover most of the situations. Our system should be in between the software which will hardcode all possible situations (impossible) and one program that deals with all variations (impossible). In other words, to find golden middle.