

Date: 05/05/22	Time: 1400-1430	Place: Online (Teams)
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**Attendance**

**Attended:** Jed Muff (JeM), Eric Hannus (EH), Julius Mikala (JuM), Antti Sippola (AS), Jere Vepsä (JV), Rituraj Kaushik (RK)

**Apologies:**

**Missing:**

**Agenda**

1. Session aims
  - a. Ensure we have a list of everything RK needs before the end of this project.  
To do list:
    - i. 3D printed testing stand
    - ii. 3D print spare legs and body plates
    - iii. 3D print and test more soft parts
    - iv. 3D print lid and stand off for RL ID
    - v. Documentation (GitHub page):
      1. How to construct the robot
      2. How the code works
      3. How to run the code
      4. 3D printed parts catalogue displaying settings and options
  - b. Discuss how testing has gone
  - c. Ensure all media that can be used for Gala is uploaded
  - d. Divide workload and establish targets for next week
  - e. Plan documentation
2. Project Track (Diverged from original Gantt Chart)
  - a. Overdue:
  - b. This Week:
    - i. More improvements to robot
  - c. Next Week:
    - i. Documentation and any other improvements.

**Outcomes:**

Progress report from the last week:

1. Built final first prototype of the robot
2. Made some simple walking gaits and gestures that can be shown in the Gala
3. Tested robot with RL in simulation, works well.
4. Did some more documentation, still need to finalize documentation
5. 3D printed new and improved body plates. Implemented and tested them and they work very well. May need a stand for RL ID on top.
6. Tested first iteration of soft legs, worked well although missing some parts of the robot to cover. Still need some more work for a more ideal solution.
7. Tested robot with motion tracking, works well although more tests need to be done. Something of note is that screws came loose during testing. May need some screw tighten oil.
8. Discussed change of plans for the last few weeks of the project. First two weeks of May will be finishing up parts of the project, including documentation. The two weeks leading up to the Gala will include finishing the final report and preparation for the Gala.

## Group #1-10

## Quadruped Robot

Outcomes of this weeks meeting:

1. RK confirmed main parts that need to be done are the documentation and 3D printing spare parts.
2. For the documentation, the realant github page will be forked (made private) and adapted. JeM will make the GitHub Page. The list above (1.a.v.) provides what needs to be covered
3. The AX12 configuration board has arrived. Next week we should work on using that and documenting it.
4. Everyone will upload their media files for use in Gala this week.
5. AS has worked on the top plate and stand and found a possible solution.
6. RK will work on buying some thread locking fluid to use.
7. It was decided next Tuesday we will do more detailed construction documentation with photos to use as a step-by-step guide. From Tuesday we will also work on a more organised GitHub page for documentation.

### Action Log

Action to be taken	Who is responsible	Deadline
Make private GitHub page and share everyone in it	JeM	10/05/22
Upload media files for use in Gala	All	12/05/22
Buy thread locking fluid	RK	12/05/22
Document using AX12 Configuration board for future use	-	12/05/22
Work on more 'To do list' tasks	-	13/05/22