

Week 2 Group 22 Journal

Date: 04/02/2019

1. Action Items from last week

There was only one meeting for this week that was held on Tuesday 31st of January and the following was discussed:

- Reiteration about the sections that were assigned to each member for the Proposal Report.
- Subhi in charge of the introduction and the Gantt Chart.
- Aarambh and Abdullah will do the Technical Overview.
- Marlon will write about the Team Organisation.
- Osama will focus on the Planning and Budget section.
- Check of the progress made by each one.

2. Project status and statement of progress:

Project has started to progress again after a short break. Everybody has returned with more energy and willing for the second part of the project. For this week there was not many significant things to do, all members of the group start writing their sections of the Proposal Report.

3. Individual Student Contributions:

Aarambh Sinha:

- Discussed with the group and agreed to complete the Technical Overview section with Abdullah. I will be focusing on Software System Design, Sensor Characterisation and Control Algorithms Section.
- I took the responsibility of the design and development of the sensor circuit implementation. I will be attending the allocated Circuit Development labs to ensure the correct processes are applied for the most effective design and manufacture.
- Made changes to the sensors circuit schematic so the sensors can operate at lower power with individual LED control.

Abdullah Ahmed Akhtar:

- Worked on the CAD design of the buggy using Solidworks and assembled all the components on to the chassis, to present it in the proposal report.
- Created a new part in solid works to present the sensor circuit and added it to the assembly.
- As decided in the meeting I worked on the CAD design part of the introduction for proposal report and finished of writing my part for introduction.

- I was also working on technical overview section (chassis design, motor characterisation and winning features.) of the proposal report. To prepare for this I read DR1 and DR2 in detail and made key notes to mention in the proposal report.
- Started writing the technical overview, and finished writing the overview of chassis design, and started working on the motor characterisation and winning features. I am hoping to finish this by Monday.
- As decided in the meeting I will focus on the hardware development section of the project and will attend the necessary labs.

Osama Othman:

- Read page 37 and 55 for budget and risk assessment of procedures handbook.
- Finished my part of the budget and total cost in planning and budget of proposal. This included conversing with team on what will be included, researching suitability of items needed to be bought by budget and comparing prices of different suppliers of these items.
- Done with half of the risk assessment which included researching what is meant by a risk assessment in order to understand what is needed on the internet and reading page 55 of procedures handbook and deciding the necessary risks and hazards towards race.
- Read the rest of the handbook from 43 to 48 of procedures handbook in order to tell group exactly what's coming

Marlon Guanoluisa:

- Discussed with everybody about what were the roles took by each one and made clear all responsibilities accepted.
- Search for all evidence of the meetings that were carried out in the first semester and organise them in Dropbox.
- Start writing about the Team Organisation which now it has the progress of a little more than half of its total.
- Being assigned as one of the people that will attend to Hardware Development and Circuit Development.

Subhi Alsous:

- After the last meeting, I started working on the Introduction part of the proposal report
- Identified the main aim and the accompanied objectives in order to find success
- Identified and listed all the deliverables required for semester 2
- I took the responsibility of the software aspect of the project along with Osama and will be attending the allocated lab sessions
- Currently working on the Gantt chart for semester 2 along with the milestones needed