AVC Plan- Team 7 - The Comrades

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Angus Spencer, - angus.gh.spencer@gmail.com
Tim(?)[1]

Communication

Facebook messenger for general Chat, Github repo for official documentation, checklists, Google doc for images, ideas, other things.

Roles (Not strictly defined, likely that everyone will be doing software at points)

- Orion: Hardware (assembly, debugging, chassis)
- Jasper: Project Lead, Design, CAD design, organizing meetings
- Angus: GitHub, Software development
- Francesco: Software development, Software Lead
- Emma: Software, documentation

Checklist (Can also be found on GitHub Repo: Repository)

Week 1

- Jasper
  - Learn CAD
  - Model marble holders ready for printing
- Orion
  - Plan physical design of chassis
  - Challenges and solutions document
- Francesco
  - Get started on camera code
- Emma
  - make a list of the code needed for the AVC
- Angus
  - Setup GitHub, get it running and manage it.
- Team:
  - Complete and Submit AVC plan
  - Find Tim (oh Tim where art thou Tim?!)

Week 2

- Jasper
  - Start printing components
  - Consult with Orion about what parts need to be fabricated
- Orion
  - Begin Assembly of chassis
  - Consult with devs about which parts and sensors are needed
- Francesco:
  - Consult with other devs about who's coding what
  - Camera line following code
- Emma
  - Help write and implement software
  - Documentation
- Angus
  - Research implantation of PID control,
  - Consult with Francesco about software dev
- Team
  - Complete Quadrant 1

Week 3 (To be added to next week)

- Emma
  - Organise all documented components for the AVC report
- Software Devs
  - IR sensor code underway
- Team
  - Have robot complete quadrant 2 successfully

[1] We have not been able to get in contact with Tim, so he has not yet signed the agreement

Meetings (start week two)

Either Wednesday, Thursday, Friday (time TBC). Some people may stay after lab to continue working.

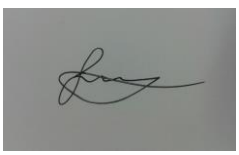
Weeks	Conflicting commitments	Items Due	Weekly objectives	Milestones
Week 1- 1st May	ENGR101 test: 3rd	-AVC Plan due: fri	Github Repo	-distribute tasks -set up github/facebook chat - find Tim - plan of all code needed for functions
week2 -8th May			Github Repo	-have a basic prototype of robot -All basic code(straight,turn left/right, camera sensor) functioning correctly -have robot complete quadrant 1
Week3 - 15th may	COMP102 terms test:15th		Github Repo	- have robot complete quadrant 2 & some of 3 -sensors should be functioning and running correctly - all code/documentation etc needs to be collated to write Report
Week4 - 22nd may	ENGR121 term test: 26th	-AVC Progress Report: fri		- Progress Report
Week 5- 29th may				- Vehicle should be running well and near completion - Should be able to navigate most of the course
Week 6 -5th June	ENGR101 Terms Test: 7th	-AVC Final Report:fri -Queen's bday		- Vehicle ready for testing

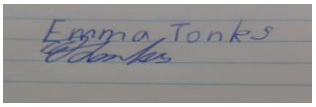
Team Agreement

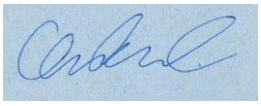
By signing below, all team members are acknowledging that they have read and committed to their part in the AVC. They acknowledge that they will attempt to complete the tasks agreed on by the group each week and document this on the team GitHub account. They acknowledge that failure to meet these goals can result in the team recommending any member receives a lesser grade for their AVC report. In the event that a team member is unable to complete their task due to circumstances beyond their control (i.e. sickness, bereavement etc) that they will inform the team at the earliest possible time. Finally, the team acknowledges that a member going a week without contact with other team members (except when discussed with the team in advance) will constitute the member in question being considered AWOL. In this instance, the team agrees to inform the ENGR101 course co-ordinator immediately. The penalty this for this can range from a reduction in the final grade to immediate failure of the AVC (and thus the ENGR101 course). Should the team unanimously agree that a member (or members) have failed to contribute to the AVC sufficiently for other reasons, on the day of robot testing the team will be given the opportunity to anonymously vote for a team member to receive 0% for the robot part of the AVC. Should the team choose this option they MUST be able to show that the member in question had been assigned tasks that they failed to complete and that the team had afforded them an opportunity to make up for past mistakes.

Signed by all team members:

Jasper Kueppers - 

Francesco Gorini - 

Emma Tonks- 

Orion Coupland - 

Angus Spencer -