Team “Help, It’s Sentient” AVC plan

Important links:

- Github: https://github.com/Matthew-Lynch/Help-Its-Sentient
- Log : https://docs.google.com/document/d/1wQUEXT61IFHyHNVnYOo3ScYP7AEjjXk4FwhuSnWwVvs/edit?usp=sharing
- Matt Lynch– lynch.m.matthew@gmail.com
- Sanjana Manocha- sanjoonz@gmail.com
- Alex Murray- azyander@gmail.com
- Conagh Fitzgerald-Mansell- fitzgecona@myvuw.ac.nz
- Scott Robinson- partowboy@gmail.com

Conflicts:

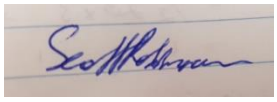
- Wednesday phys 112 assignment cram
- Matt work fri to 5:30, sat 10-5, sun 10-3, but this is flexible
- Sanjana work Fri 3:30-9, sat 11-5
- Conagh needs 1 weeks notice to book time off work

Roles:

- Matt & Alex: project lead and hardware support (organising team meetings, reporting regularly on progress, CAD designing components)
- Scott & Sanjana: software development (writing core code and extending functionality)
- Sanjana & Alex : software testing and documentation (debugging software and committing to git, writing test cases and documenting performance against milestones)
- Matt & Conagh : hardware (building the chassis, testing components, connecting sensors, debugging hardware)
- Alex: SSH/Uploading code to Pi (Communications between GitHub and Pi remotely).

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.

Matt Lynch	Alex Murray	Scott Robinson	Sanjana Manocha	Conagh Fitzgerald-Mansell
				

Week#	dates	AVC due dates	Conflicts	Goals	Tasks
Week1	1-7/5	Plan due 5th	ENGR101 test 3rd	Plan completed 5th	All: research ways to solve mazes/using colour detection/other Report back, decide on what other sensors we need
Week2	8-14/5		Matts Shit Life (busy from 6pm-10pm every day)	Decide on way to maze solving technique, algorithm/hardware 9th Basic chassis – 12th Have basic code blocks	ML: basic chassis assembled (sensor placement) SM: code for straight line and left turn AM: create main code for PI SR: code for taking data from sensors CFM: basic chassis assembled (sensor placement)
Week3	15-21/5		Comp102 test 15th	Chassis made and ready to test some aspects	ML: Edit chassis/help with code SM: sensor values to movement decisions AM: upload current code to PI SR: sensor values to movement decisions CFM: Edit chassis/help with code
Week4	22-28/5	Progress report 22nd	ENGR121 test 26th	Test first 2 quadrants 23rd	ML: debugging SM: debugging AM: panic SR: debugging CFM: debugging
Week5	29/5-4/6			Test last 2 quadrants 30th	ML: debugging SM: debugging AM: debugging SR: panic CFM: debugging
Week6	5-10/6	Show Arthur our robot completes the entire maze??	ENGR101 test 7th	Don't fail, or have the robot explode	ML: panic SM: panic AM: panic SR: panic CFM: panic
Week 7/8	11-19/6	Final report 19th	Study for exams	Don't fail	Study and write a report, difficult stuff