AVC Plan

Assigned Jobs:

-Software Sensors, Jacob and Brandon
-Software Motors,Charnon
-Networking ,Cong Fang
-Hardware and Debugging, Brady
-Team Leader and Hardware Design, Philip

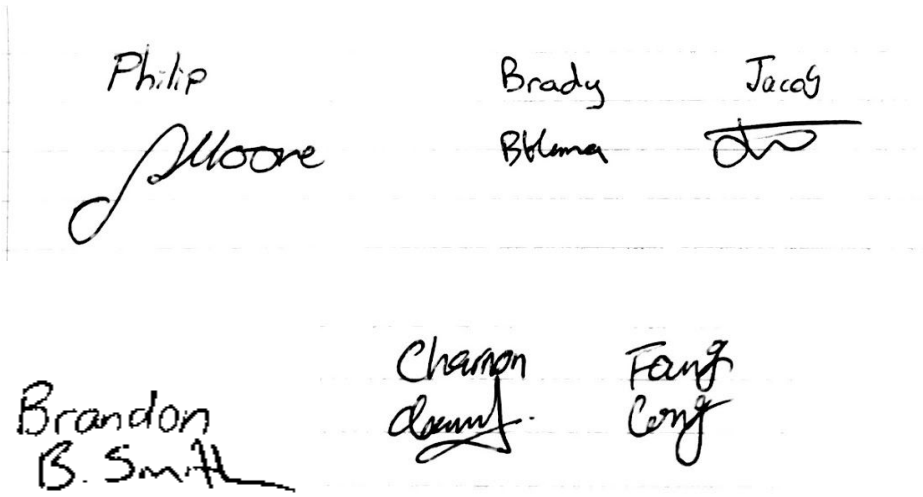
Github

https://github.com/ngcharnon/Team1

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:



Week Date	Team Objectives	Items Due	Conflicting Commitments	Tasks
Week 1 20/4/16	Robot Moving in Straight Line and Arrange with team our milestones for the weeks ahead	AVC Plan **Due 22nd April**	PHYS 122 test to study for 22nd April	Jacob and Brandon- Code to make robot move in a straight line. Charnon- Work with Jacob Cong Fang- Help with AVC Plan Brady-Put together default robot Chassis Philip- Finish AVC plan
Week 2 4-5-16	Sensors interacting with motors, and Gate Connection		COMP102 test to study for 9th may	Jacob and Brandon- Code to get a value from camera to know where the line is in the picture Charnon-Write code to control Motors using the value from the camera input Cong Fang-Learn how to connect to the PI wirelessly and if time start on communication with the gate Brady-Concept Chassis and finalise design. Philip-Help with Chassis design and check progress of group
Week 3 11-5-16	Quadrant 1 and 2	AVC Progress Report **Due 16th May**		Jacob,Brandon and Charnon- Test robot, check it follows a line, fix if needed. Start on quadrant 3 intersections. Cong Fang-Code to communicate and open the gate Brady-3D print chassis, help with any debugging and check all electronic components are working. Philip-3D Print Chassis, and check progress of group.
Week 4 18-5-16	Quadrant 3 and 4		ENGR121 test 2 to study for 20th May	Jacob,Brandon and Charnon- Finalise code for quadrant 3 and help with quadrant 4. Cong Fang- Start on code for quadrant 4 detecting walls Brady-Help build final robot and test electronic components are all working Philip-Put together Finalised robot Chassis, and help with debugging.
Week 5 25-5-16	Final testing and fixing. Final run.	AVC Robot **Due 30th May**	ENGR101 test 2 to study for 30th May	All -Test robot Jacob,Brandon, Charnon and Cong Fang- Fix code if needed Brady and Philip-Test electronic components if needed.
Week 6 1-6-16	AVC Report			All-Start on Final Report
Week 7 8-6-16	AVC Report	AVC Final Report **Due 13 June**		All-Complete Final report