| Week | Date | Team Objective(s) | Items Due | Conflicting Commitments | Tasks |
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| 1 | 18th April | To prepare our preliminary AVC plan, and assign the various roles within the group. | AVC Plan | PHYS 122 Test<br>PHYS 114 Test | Fergus: Final check of the AVC plan, ensuring that it is submitted on time. **(Completed.)**<br>Kim: Discuss the initial code to make the AVC move forwards and stop. **(Completed.)**<br>Campbell: Discuss the initial code to make the AVC move forwards and stop. **(Completed.)**<br>Mohammad: Discuss what improvements need to be made to the current hardware to ensure it can drive forwards. **(Completed.)**<br>Antony: Discuss what improvements need to be made to the current hardware to ensure it can drive forwards. **(Completed.)** |
| 2 | 25th April | To have our AVC capable of moving forwards, both hardware and software wise. | --- | Uni holiday (mid-semester week long) | Fergus: Work with the groups on their various projects, and make certain that the documentation for the group gets compiled and sent to the appropriate place to be submitted. **(Has ensured progress reports get written, however the plan has not been updated for future weeks. This will be done by him next week.)**<br>Kim: Write code to make the robot move forwards. Complete necessary documentation. **(This was completed last week so instead the aim was updated to get the robot to turn, which was completed on time. The software report was not completed this week so needs to be done next week.)**<br>Campbell: Write code to make the robot move forwards. Test for errors in the code. **(This was completed last week so instead the aim was updated to get the robot to turn. Error checking was not up-to-date by the end of the week so error testing needs to be done next week.)**<br>Mohammad: Make necessary changes to the hardware to enable the AVC to move in the forwards direction without hindrance, and with the wheel outputs working. Document any progress. **(This was completed last week so instead Mohammad worked on getting the camera secured properly in front of the AVC, which he was able to do using the 3D printer.)**<br>Antony: Make necessary changes to the hardware to enable the AVC to move in the forwards direction without hindrance, and with the wheel outputs working. Test for errors. **(Completed last week so Antony instead worked on software with Kim and Fergus.)** |
| 3 | 2nd May | To have our AVC capable of moving forwards, both hardware and software wise. | --- | | Fergus: Help both teams where necessary and ensure all documentation is done correctly in both areas. Ensure that the tasks are being completed on time and that things are moving at a sufficient rate for the robot to be finished. **(Fergus was sick for one day and did not catch up on our progress. Necessary documentation was not completed and the plan has not been updated. This task was moved to Kimberley.)**<br>Kim: Write code/modify existing code in order to get the robot to turn left and right. Ensure all necessary documentation is completed. **(This was completed ahead of schedule so the plan for this week was updated to getting the AVC to follow the white line through the 2nd quadrant. This was also finished early so the plan was revised to also complete the** |

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| | | | | | **first quadrant in this week. Finished both software reports for the last two weeks but need to finish this week's report.)**<br>Campbell: Write code/modify existing code in order to get the robot to turn left and right, also test the code to ensure it works correctly and there are no bugs or errors. **(This was completed ahead of schedule so the plan for this week was updated to getting the AVC to follow the white line through the 2nd quadrant. This was also finished early so the plan was revised to also complete the first quadrant in this week.)**<br>Mohammad: Ensure the hardware is working correctly and there is nothing that will prevent the AVC from truing and ensure that it is aesthetic, making any necessary changes. Make sure all documentation is up to date. **(This was done in previous weeks. Plan was updated that he would work on making a case to cover the AVC making it more aesthetic. This was not completed so will need to be done next week.)**<br>Antony: Ensure the hardware is working correctly and there is nothing that will prevent the AVC from truing and ensure that it is aesthetic and recycle-friendly, making any necessary changes. Check for bugs or errors that need to be fixed and work on fixing them. **(Found a problem with the third wheel of the AVC which needs to be fixed. This was not completed so will need to be finished next week.)** |
| 4 | 9th May | To have the AVC start to move through the third quadrant. | | COMP 102 test | Note: With the loss of Antony from the group Fergus is now hardware support, with Mohammad taking over the hardware side of management. Campbell is in charge of software with Kimberley who had taken over the software side of management and is also now in charge of getting the weekly plan up to date.<br><br>Fergus: Fergus will now work as hardware support and this week his job is to write the hardware progress reports for the last two weeks. **(Completed.)**<br>Kimberley: Plan code to get the robot to move through quadrant 3 and start writing it with Campbell. Also need to finish the software report for week three and write the software report for week four. Has also taken over writing the weekly plan so needs to update it for the next three weeks. **(Week three software report is complete. Still need to do software report for week four. Code was planned this week but not started so needs to be written next week.)**<br>Campbell: Help Kimberley with the software for the third quadrant. Proof read the software reports currently on GitHub making any changes though to be necessary. Also needs to keep the code on GitHub up to date so that it can be accessed by anyone at any time for reference. **(Code is not up to date on GitHub so needs to be done next week, code has still not been written so also needs to be written next week.)**<br>Mohammad: Work on the configuration of the robot, making alterations to allow for a case to be 3D printed and secured around the wiring and boards in order to make it more aesthetic. **(Hardware problems with the 3D printer mean our case needs to be redesigned and printed next week.)**<br>Antony: As of this week Antony is no longer in our group. |

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| 5 | 16th May | Complete the third quadrant. | Individual progress reports are due Monday the 16th of May. | ENGR 121 test | Fergus: Write hardware reports and ensure all hardware documentation is up to date. Aid Mohammad when needed to create the casing of the AVC. **(He assisted in creating the hardware parts that needed to be printed. Documentation is still not up to date so this needs to be done next week.)**<br>Kimberley: Ensure the necessary documentation is completed, including the software reports and weekly planner. Write the code for the third quadrant. **(Need to finish the software reports for the last few weeks, other documentation including the weekly plan is up to date. Initial code has been written for the third quadrant however testing still needs to be done to ensure it is working correctly.)**<br>Campbell: Read over software reports to ensure that they are correct and add any information that may have been missed. Work together with Kimberley to write the code for the third quadrant. **(Was not completed as not all code has been written and tested for the third quadrant, this will need to be done next week.)**<br>Mohammad: Ensure the case from last week is finished and secured properly. Also need to mount the infrared sensors so that they face the correct direction in preparation for the fourth quadrant. **(The case has been printed except for two parts which will need to be printed next week. The parts that have been printed have been assembled and only need to be painted.)** |
| 6 | 23rd May | Start working on the fourth quadrant of the maze. | | | Fergus: Aid Mohammad to finish the case and ensure all hardware is completed, documenting any changes made in a hardware progress report. If hardware is completed then aid in software. **(Hardware was completed and so moved on to aiding with software. Hardware report was written by Kimberley instead.)**<br>Kimberley: Finish the code for the third quadrant and write code with Campbell to control the robot using the infrared sensors so that it is able to navigate through the maze in the fourth quadrant. Write the software report for this week and ensure all other documentation is up-to-date. **(All documentation was completed however the code for quadrant 3 was not finished so no code for quadrant 4 was written.)**<br>Campbell: Write code with Kimberley to finish the third quadrant and also to control the robot through the fourth quadrant of the challenge. Check over software reports to ensure they contain all the necessary information, making any changes deemed necessary. **(Quadrant 3 code was not finished so this week concentrated on writing this instead.)**<br>Mohammad: Ensure the robots hardware is working and completely finished. If it is then assist with software, if not then make any necessary changes to ensure it runs smoothly and is aesthetic. **(All hardware was completed well and so Mohammad was able to help with software.)** |