CP34 Week 4 Check In

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Hi Team,

Just thought I would send an email to make sure everything is on track and clarify what was discussed at our meeting.

Everyone is tracking well for the first week. We just need to ensure that we continue on track (*pun intended!*). This includes keeping the Wiki up to date and organised. Keeping good records of meetings, progress reports and code on BitBucket is a must.

At this week's meeting we discussed the following...

Last Sprint (highlights):

- Gazebo running (kind of) in all environments on Ubuntu 18.04 (ArduPilot, PX4, MavSDK, QGroundControl)
- ***Note***: Issue with running PX4 and ArduPilot together - please speak to CP33 team, they have it all working.
- Drone Autonomous Navigation with MavSDK
- Work on Weather Simulation.

For the next few tasks, please see below.

Next Sprint (and weekend):

- MavSDK - playing with MAVSDK to gain further experience in navigation and importing custom code.
- Gazebo - looking into rendering Worlds. Clarification: We will only be using a fixed world that you generate with different destinations, randomly spawning charging stations to test against.
- Gazebo - modelling charging stations in simulator. Creating own symbol for this object with collision detection.
- Algorithm - Working towards a way to solve the problem. Taking into account all the variables.

The Week Ahead (Week 5):

- Monday/Tuesday - 1 minute video summary of work for each individual (submitted by upload to YouTube and link added to Wiki Meeting Minutes / Report)
- Simulator - Modelling Buildings, Trees (optional) and Other objects into the World.
- Simulator - GPS or waypoints navigation demo
- Simulator - working demo basic custom navigation with algorithm

Thanks again for catching up earlier this week. I am always available on Sydney 2020 Discord and welcome your to join tutor if they wish.

Keep up the good work.

Kind Regards,

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