Unit of Study	COMP3888
Team name	COMP3888_T15A_Group1
Project Name	Optimal Path for Drone Delivery
Project start date	Monday, 14/09/2020
Project end date	Sunday, 27/11/2020
Project point person	Nicholas Hui
Report Date	19/10/2020

Quick description	The Client Demo/ Deployment preparations and delivery, the scripts for installations and for the algorithm and the simulator for the project.

Status item	Status up to last week	Planned for next week
Scope	Preparations for Client Demo/ Deployment. Scripts for installations of the software and dependencies for the project. Scripts for running the algorithm and the simulator. The algorithm is able to visit multiple destinations including battery life in an approximate optimal path.	
Time	The team is on schedule to finish the features needed for the Client demo.	
Quality	The delivery of the presentation is good. More testing of the algorithm will be needed in the future.	
Planned Activities		Includes factors like weather, obstacles, into the algorithm and the simulator. Create tests for the pathfinding algorithm. Research and implement obstacle detection onto the drone. More complex battery calculations.
Achievements	Able to automate both the algorithm and the simulator using scripts. Able user to install the software and the dependencies for the project with script.	

	The new algorithm is able to visit multiple destinations, including battery life factor. The algorithm and the simulator are able to integrate well together.	
Major deliverables	Installation script for users. The algorithm and the simulator are able to integrate well with the use of scripts. The new algorithm is able to visit multiple destinations including battery life factor of the drone.	Testing on the algorithm. Adding new factors into the algorithm. Refine battery life calculation.
Major issues	The lack of testing on the pathfinding algorithm.	Lack of battery documentation on drones in the simulator to help implement battery functions on drones.
Major risks	The drone performance in the simulator is unstable.	The implementations of the battery functions on drones in simulators.
External dependencies	NIL	NIL
Estimated effort (h)	12hr/person	15hr/person
Recorded effort (h)	16hr/person (on average)	
Overall Status (RYG)	GREEN	