

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	2/11/2020

Quick description	Improvement and testing of the algorithm and simulator modelling, implementations on obstacle detections and multiple drones control.
--------------------------	---

Status item	Status up to last week	Planned for next week
Scope	Modification and improvement of the pathfinding algorithm Testing method for the algorithm Research and implementation of ROS to control multiple drones in the simulator	Preparation for reports and product delivery to client
Time	Keeping on track with the project schedule, but encountering a few implementations issues on simulators.	
Quality	More testing of the algorithm will be needed.	
Planned Activities		Bitbucket repository clean up Generate more test cases for pathfinding algorithm Implementation of obstacle detection in the simulator Implementation of multiple drone control in the simulator World modelling for demo of scenarios from client's scope
Achievements	A working pathfinding algorithm and some proof of concept for basic scenarios for the pathfinding algorithm.	
Major deliverables	Generate more test cases for the pathfinding algorithm.	

	Adding new features to the algorithm. More information and progress about ROS for obstacle detection in simulators. Research more on controlling multiple drones in the simulator.	
Major issues		
Major risks	Lack of documentation about ROS for PX4 to and obstacle avoidance and control multiple drones.	
External dependencies	NIL	NIL
Estimated effort (h)	12hr/person	15hr/person
Recorded effort (h)	16hr/person (on average)	
Overall Status (RYG)	GREEN	