

Weekly Project Status Update

COMP3615/INFO3600/COMP5615 SDP 2017S2 | Week ## | Mon dd/mm/2017 15:00–18:00

Unit of Study	√ COMP3615 — □ INFO3600 — □ COMP5615
Team name	DRaiVErs
Project Name	MIT Car Race
Project Nickname	Self-Driving Car
Project start date	07/08/2017
Project point person	Gengxing Wang, 0451650329

Quick description	Build an autonomous car that is capable of sensing its environment and navigating on the correct track without human input.
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Project Status Report	#1	07/08/2017
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Status item	Status up to last week	Planned for next week
Major deliverables	Weekly status report.	Training dataset, weekly status report, the basic CNN trained model.
Planned delivery date	14/08/2017	20/08/2017
Major issues	The environment was not easy to setup, such as charger did not fit at first. Also, additional software / library were not mentioned but are required (Docker, nmap etc)	1. The training dataset need to be captured and labeled. 2. Which exact model to use for training needs to be determined
Major risks	1. Uncertainty of if the OS for Raspberry Pi can work properly. 2. Uncertainty of the format of final racing.	1. The model might not be as accurate as expected. 2. The training dataset, without pre-processing, might be inappropriate for training directly.
External dependencies	Vision sensor; Raspberry Pi	Vision sensor; Raspberry Pi; Cloud service (Amazon P2)
Estimated effort (h)	7 * 6 (number of team members) = 42	7 * 6 (number of team members) = 42
Recorded effort (h)	6 * 5 (number of team members) = 30	
Status (RYG)	Green	Amber

This project status report is limited to one page. Details on subsequent pages will not be considered.