UNIVERSITY OF
LINCOLN

CMP3103M/CMP9050M Autonomous Mobile Robotics, Assessment Item 1

Learning Outcome	Criterion	Pass	2:2	2:1	1st
[LO3] implement and empirically evaluate intelligent control strategies, by programming autonomous mobile robots to perform complex tasks in dynamic environments	Criterion 1: Group Robot Tasks (30%)	You and your group have demonstrated basic functionality in simulation only.	You and your group have demonstrated the full functionality in simulation only, or the basic functionality in simulation and on the real robot.	You and your group have demonstrated the full functionality in simulation and basic functionality on the real robot.	You and your group have demonstrated the full functionality in both, simulation and on the real robot.
	Criterion 2: Individual Visual Search Task (in Simulation only, 40%), Implementation	A working software component with basic functionality. Fair program structure and some code comments. The working implementation is demonstrated, accomplishing the search task partially.	A working software component with good functionality. Clear program structure and appropriate comments. The implementation is demonstrated successfully, accomplishing most of the search task with a good performance.	A good implementation with some extra functionality or originality. The program code is well structured and commented. Good demonstration of basic and additional features, accomplishing the search task with a very good performance.	An excellent implementation featuring original functionality and elements beyond the original specification. The program code is efficient, well-structured and commented. The solution is demonstrated very well, highlighting the additional functionalities, accomplishing the full search task with an excellent performance.
	Criterion 3: Individual Visual Search Task (in Simulation, 30%), Presentation	A basic presentation of the system design and its performance.	A good presentation of the system design and reflections on its performance.	A very good presentation of the system design and reflections on its performance, including evidence of testing and evaluation of the important system features.	An excellent presentation of the system design and reflections on its performance, including evidence of thorough testing and evaluation of the important system features.
Weighting	The criteria for this assessment are weighted as indicated.				