UNIVERSITY OF LINCOLN

CMP3641M Computer Vision and Robotics (M), Assessment Item 2

Learning Outcome	Criterion	Pass	2:2	2:1	1st
[LO2] apply computer vision techniques to solve practical problems. [LO4] apply advanced Artificial Intelligence techniques to mobile robotics.	Criterion 1: Technical design for the robotic predator and prey player.	Basic design including an object detection, obstacle avoidance, and player behaviour with some implementation details.	Suitable design including an object detection, obstacle avoidance, and player behaviour covering the most important implementation details.	Detailed design with additional functionality and consideration of technical aspects. A good account for implementation details.	Excellent design with additional functionality, consideration of technical aspects and a careful choice of the relevant parameters A detailed account for implementation details.
	Criterion 2: Code implemen-tation.	Working software component with basic functionality. Fair program structure and some code comments. The working implementation is demonstrated on a robot.	Working software component with good functionality. Clear program structure and appropriate comments. The implementation is demonstrated successfully on a robot, fulfilling the assigned role in the predator and prey game.	Good implementation with some extra functionality. The program code is well structured and commented. Good demonstration and presentation of basic and additional features.	Excellent implementation featurin extra functionality and elements beyond the original specification. The program code is efficient, we structured and commented. The solution is demonstrated in a structured and well-prepared forn highlighting additional functionalities.
	Criterion 3: Evaluation and technical report.	Some critical consideration of the system functionality and its limitations. The report has a weak structure and/or is difficult to read.	Basic evaluation of the system functionality and its limitations. The report has a logical structure.	Good evaluation of the important system aspects. Well-written report.	Thorough testing and evaluation the important system aspects. Excellent report.
Weighting	The criteria for this assessment are equally weighted.				