CMP9132M Advanced Artificial Intelligence, Assessment Item 2

Learning Outcome	Criterion	Pass	Merit	Distinction
[LO1] Critically appraise a range of AI techniques for knowledge representation, reasoning and decision-making under uncertainty, identifying their strengths and weaknesses, and selecting appropriate methods to serve particular roles; [LO2] Design and develop a software algorithm for solving complex AI problems in an application domain of interest.	Implement and document the most appropriate solutions for the given problems, citing and critically appraising the most relevant techniques, justifying the choices made, and explaining the different steps taken. (weighting 100%)	The report discusses the chosen methods and algorithms to implement an AI-based system that solves the problem, but it lacks a convincing justification for these choices. The AI software system solves at least part of the problem. However, there are some critical errors in the design and implementation of the proposed solution.	The report discusses relevant methods and algorithms that have been chosen to implement an AI-based system for solving the problem, and it clearly justifies these choices. The AI software system solves the problem, but there are some non-critical errors in the design and implementation of the proposed solution.	The report discusses the most appropriate methods and algorithms that have been chosen to implement an AI-based system for solving the problem, and it gives a very good justification for these choices. The AI software proposes an elegant solution for the problem, without any significant errors in the design and implementation of the system.
Weighting	The criteria for this assessment are weighted as indicated above.			