

CMP9767 Robot Programming Assessment Item 2 2023-2024

Learning Outcome	Criterion	Pass	Merit	Distinction
LO1: critically appraise the theoretical capabilities of existing state-of-the-art robot system algorithms and components.	C1: Aim, Objectives, and Motivation (15%)	An account of the aim of the work and its motivation is provided, objectives are identified.	The aim is clear, well-motivated and justified using academic literature. The objectives are clear.	The aim and its motivation are very clear, and objectives are derived from a very good selection of academic literature in a most convincing way.
LO2: understand and critically appraise the requirements and limitations of robot algorithms and components.	C2: Related Work (20%)	An account of related work is given and correctly referenced.	A good and contextualised account of the related work is provided. The background literature is appraised for the task to be solved.	A comprehensive body of related work is selected which is highly relevant to the task. It is appraised concisely and very well contextualised.
	C3: Concept (40%)	A suitable concept to solve the task is presented, in writing and/or graphically as appropriate.	An advanced and innovative concept to solve the task is presented, combining written and graphical explanations. The chosen components are suitable to solve the task and are somewhat contextualised in related works.	An excellent and very innovative concept to solve the task is presented. The presentation combines visual elements and written statements in a compelling way and contextualises the concept in related work
LO4: critically evaluate and comprehensively report implementation concepts and research findings.	C4: Evaluation & Discussion (25%)	Basic evaluation is presented, and some findings are discussed. It is evident that the system qualitatively works, and the overall performance is briefly discussed.	Evidence of quantitative evaluation is provided, including a discussion of the performance with respect to the objectives. A reflection of ways to improve the system is provided.	Evidence of excellent and comprehensive quantitative evaluation is provided, employing appropriate methodology and metrics. Ideas to improve the system are discussed, also using academic literature as appropriate.
Weighting is 40% of the module				