CMP9135M - Computer Vision- Assessment

Learning Outcome	Criterion	Pass	Merit	Distinction
[LO1] Critically evaluate and apply the theories, algorithms, techniques and methodologies involved in computer vision (CV). . [LO2] Design and implement solutions to a range of computer vision applications and problems, and evaluate their effectiveness.	Criterion 1: Image Segmentation and evaluation. (40%)	The report provides basic steps to solve the particular problem and your discussion provides evidence of understanding of the chosen techniques involved in CV, but rather simple and lacks a convincing justification for this decision. The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.	The report provides clear steps and a good solution to solve the particular problem. Your discussion details evidence of good understanding of the chosen techniques involved in CV with clear justification of the decision. The software implements a good solution to the proposed problem but there are some non-critical errors in the design and implementation of the software.	The report provides detailed steps and an excellent solution to solve the particular problem. An elegant critique is given clearly demonstrating an in-depth understanding of the techniques involved in CV. The report is well written and structured. The software implements an excellent solution to the proposed problem and the software does not contain any significant error in the design and implementation, which are both very appropriate.
	Criterion 2: Feature Calculation (30%)	The report provides basic steps to solve the particular problem and your discussion provides evidence of understanding of the chosen techniques involved in CV, but rather simple and lacks a convincing justification for this decision. The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.	The report provides clear steps and a good solution to solve the particular problem. Your discussion details evidence of good understanding of the chosen techniques involved in CV with clear justification of the decision. The software implements a good solution to the proposed problem but there are some non-critical errors in the design and implementation of the software.	The report provides detailed steps and an excellent solution to solve the particular problem. An elegant critique is given clearly demonstrating an in-depth understanding of the techniques involved in CV. The report is well written and structured. The software implements an excellent solution to the proposed problem and the software does not contain any significant error in the design and implementation, which are both very appropriate.
	Criterion 3: Object Tracking (30%)	The report provides basic steps to solve the particular problem and your discussion provides evidence of understanding of the chosen techniques involved in CV, but rather simple and lacks a convincing justification for this decision.	The report provides clear steps and a good solution to solve the particular problem. Your discussion details evidence of good understanding of the chosen techniques involved in CV with clear justification of the decision.	The report provides detailed steps and an excellent solution to solve the particular problem. An elegant critique is given clearly demonstrating an in-depth understanding of the techniques involved in CV. The report is well written and structured.

		The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.	The software implements a good solution to the proposed problem but there are some non-critical errors in the design and implementation of the software.	The software implements an excellent solution to the proposed problem and the software does not contain any significant error in the design and implementation, which are both very appropriate.
Weighting	All criteria are weighted as shown by the percentages indicated above			