

CMP9135M Computer Vision Assessment CRG 2023-2024

Learning Outcome	Criterion	Pass	Merit	Distinction
<p>[LO1] Critically evaluate and apply the theories, algorithms, techniques and methodologies involved in computer vision (CV).</p> <p>[LO2] Design and implement solutions to a range of computer vision applications and problems, and evaluate their effectiveness.</p>	Criterion 1: Image Segmentation and Detection. (40%)	<p>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.</p> <p>The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.</p>	<p>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.</p> <p>The software implements a good solution to the proposed problem but there are some noncritical errors in the design and implementation of the software.</p>	<p>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.</p> <p>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.</p>
	Criterion 2: Feature Calculation (30%)	<p>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.</p> <p>The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.</p>	<p>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.</p> <p>The software implements a good solution to the proposed problem but there are some noncritical errors in the design and implementation of the software.</p>	<p>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.</p> <p>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.</p>
	Criterion 3: Object Tracking (30%)	<p>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.</p> <p>The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.</p>	<p>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.</p> <p>The software implements a good solution to the proposed problem but there are some noncritical errors in the design and implementation of the software.</p>	<p>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.</p> <p>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.</p>
Weighting	All criteria are weighted as shown by the percentages indicated above			