Section 4 : Marking Criteria Example

Criteria / Grade	0-34(Fail)	35-49 (Narrow Fail)	• (50-59%)pass	• (60-69%) Merit	• (70-100%)Distinction
Coding Standard (10%)	No code or very little submitted, not following PEP8 guidelines, delivering no functionality or very limited.	The code fails to follow PEP8 style guidelines, including line length, comments, identifier naming conventions, and docstrings, and it lacks error checking and exception handling.	naming conventions, and docstrings, but may still lack	· ·	The code follows PEP8 style guidelines, including line length, comments, identifier naming conventions, and docstrings, and includes basic error checking and exception handling.
Choice of Algorithm and evaluation methodology (30%)	 No choice of algorithm, or not optimising algorithm provided No or very rough evaluations made, a methodology has not been followed not at all or not appropriately. 	algorithm is evolving better solutions, which may result from:	 Although the algorithms have been successfully implemented, there is insufficient justification for the design choices regarding the methods used. For the singlemember search algorithm, there is a need to explain the choices related to the candidate solution adjustment method, the neighborhood structure, and how exploration versus exploitation is balanced. For the evolutionary 	demonstrated. However, there may be minimal explanation of why certain design choices were made, or some parts of the implementation could lack depth. You must demonstrate scalability by testing	 A more in-depth explanation of why specific design choices were made. The student also shows evidence of creative problem-solving or improvements to the algorithms that go beyond basic implementation. You must demonstrate scalability by testing their algorithms on varying problem sizes (e.g., 10,20,30,40 and 50 cities). you should compare local search and evolutionary algorithms in terms of efficiency, solution quality, and computational complexity, highlighting how the algorithms adapt to larger instances. Extensive hyper-parameter tuning is demonstrated for

		performance metric.	algorithm, you should justify the selection of recombination and mutation operators, population size, and mutation rate. Discuss how these parameters influence the performance of each algorithm.	_	both algorithms, with detailed justifications for the choices made. • A wide range of comprehensive performance metrics is employed, including computational efficiency, scalability, and robustness. The results are thoroughly analysed, showing clear and well-argued performance advantages for each algorithm under different conditions.
Analysis of your results (20%)	 No or very little analysis attempted. No or very little recommendation 	 Little or no analysis. Recommendation made without consideration of deployment context. 	 Limited analysis of results with weak justification for conclusions. Few or no references to previous research findings. 	 Good analysis of results demonstrating insight into findings with some reference to related research. 	 Coherent and insightful argued summary of findings including links/references to previous research.
Video (20%)	The technical problem is not clearly explained, and its relevance is unclear. The findings are difficult to follow and lack proper context	 The problem and findings are described in a basic manner, relying primarily on text. 	Limited explanation on findings and mostly text-heavy and occasionally uses overly technical language.	Good description and well-defined methodology evaluation and the analysis of the results.	Excellent description of the technical problem, well-defined justification on the solution, and discussed strengths and weaknesses of the searching algorithm.
Legal/Ethical Concerns (10%)	Not covered at all	 Not covered properly or did not describe any proper context. 	Statement of whether there are licensing conditions for any	 Discuss licensing conditions for any software/data used with justification for 	Discuss licensing conditions for any resources used and the legal implications of use without appropriate rights.

		oftware/data why they allosed. this assignm	
Professionalism on Document writing (10%) • The document poorly documented, lacking prope references, are contains instances of plagiarism and spelling mistakes.	spelling or grammar checks. Little or no use of figures to illustrate results or concepts. Little or no referencing.	 Well-present document works, and propriate use of prematting tools. One use of figures. The language was appropriate language. All and tables have casionally in precise or inscientific. efferences to revious work but prically to rebpages/blogs. Well-present document worksite in spelling or grammatical and good use appropriate language. All and tables have contained can be reviewed worksite. Referencing using a recognised style, e.g., Have reviewed worksite. 	presented report inappropriate reflective language with good use of style formatting to increase readability. All figures and referencing done correctly. References to original research that clearly discuss findings/content are used to justify assertions where appropriate.