

Assessment 2 Question (Individual Task)

Instructions

Please also refer to the subject outline for more details about this task.

The due date and time is on Sunday, 9/04/2023, 23:59pm.

- This assessment is an individual task.
- Submissions will be made through UTS Canvas.
- Tutors will mark their student submissions and submit their results to the lecturer for validation.
- Marks will not be released until all assessments have been marked and validated – this is to ensure the same marking levels are maintained across studio sessions.
- Your tutor will distribute marks and feedback and address marking questions.
- All communications must use your UTS e-mail account – other e-mails may be ignored.

Assessment task 2: Identify a research problem

In this assessment, you are requested to identify a research problem based on your study so far. In general, you can identify one problem from your mini-survey (the mini-survey is an overview about the research branch, now you need to narrow down to a specific problem in the research branch, and study the problem in details). However, you are free to take a problem from a new research domain that you feel suitable for you.

Note: We expect you to offer simple solutions for the identified problem in assignment 3. In the case that you cannot figure out new solutions in assignment 3, you can choose a suitable research paper, and repeat (not copy) all or part of their solutions.

Requirement

1. Please include the UTS assignment cover page containing the student name, number and signature.
2. 1500-2000 words, reference is excluded. [0.5 mark]
3. Your report should include at least the following parts.
 - a. the background or context of the identified problem. [2.5 marks]
 - b. a clear description or definition of the problem. [7.5 marks]
 - c. the reasons that you choose the problem. [2.5 marks]
 - d. the current major solutions to the problem, the pros and cons, respectively. [2.5 marks]
 - e. the challenges and difficulties to solve the problem. [2.5 marks]
 - f. the theoretical and/or experimental tools needed for the problem. [2.5 marks]
 - g. your plan and strategy to explore the solution space. [2.5 marks]
4. Your report should be in the format of a paper, including title, author, abstract, introduction, the sections from item 3, summary, and references. [1 mark]
5. The similarity of your report should not be higher than 30% (exclude the reference part).
6. Referencing tools are highly recommended, e.g., Endnote for MS word. [professional in-text citation and reference list worths 1 mark]

Marking Criteria

The assignment 2 is 25 marks in the final result, and we will mark it according to the weights assigned in the table below.

	comments
Description of the problem (30%)	The correctness of the description. You have to describe the problem in your own language after a thorough study, copying from the existing papers is not allowed.
The analysis of the identification (30%)	The quality of the problem, the reasons for the choice, and feasibility
The plan, strategies, methods, and tools (30%)	Reliability of the plan, suitability of the strategies, methods, and the tools.
Writing and presentation (10%)	Readability of the report, integrity of the structure, and clearness of the presentation. Consistent style including citation and reference, clear tables, and diagrams if there are any. Typos and language problems should be fixed by thorough proofreading.