Assignment Sheet

Unit Name	IT Professional practice & Ethics
Unit Code	FIT1055
Unit Teacher Name	Dr Nik Nailah Abdullah
Assignment Name	Ethical Issues of AI - Investigation
Assignment Number/Reference	1

Learning Outcomes

This assignment assesses the following learning outcomes:

Learning Outcome Number	Learning Outcome Description
1	Comprehend a range of communication skills and modes that is effective for presentation, managment and entrepreneurial.
3	Demonstrate research process in gathering and management of information, critical evaluation and responsible dissemination of material into lifelong learning skills

Weighting

This assignment is worth 20% of your overall grade for this unit. Please see the assignment rubric for the weightings of each assessment criterion.

Requirements

This assignment has the following requirements:

Assignment Type	Individual
Response Format	Written Report
Response Specifications	Written evaluation of your investigation must be in pdf format that includes unit name, code, student ID and student name. Word limit - 2050 words.
Due Date	At the end of week 6, 11.55 PM Friday.
Penalty	Students who submit an assessment task after the due date will receive a late-submission penalty of 10% of the available marks in that task. A further penalty of 10% of the available marks will be applied for each additional day (24-hour period), or part thereof, the assessment task is overdue.

	Tasks submitted more than seven days after the due date will receive a mark of zero for that task.
Submission Process	Submit on Assignment 1 link on Moodle Assessment page
Notes:	Follow the template for the report provided on the Moodle Assessment page. **Your report will be marked following the Assignment 1 rubric. Therefore, ensure that your report follows the rubric.**

Assignment Instructions

For this assignment, you are required to investigate the ethical issues of the use of artificial intelligence methods in technology products and produce a professionally written report. To complete this assignment, you must:

1. Select **ONE** topic of investigation from the below-provided topics.
    - **Emotion AI/Recognition**. For this topic, please click on the AIAAAC repository to view a list of Emotion AI/Recognition reported issues. Choose ONE topic from the list (e.g., Zoom AI emotion recognition).
    - **Surveillance**. For this topic, please click on the Awful AI repository to view a list of reported ethical issues under Surveillance. Choose ONE topic from the list (e.g. Anyvision Facial Recognition).
    - **Algorithms with social impact**. For this topic, please click on the Observatory of Algorithms with Social Impact repository to view a list of reported issues. Choose ONE topic from the list (e.g., AMS algorithm).

2. Use the intelligent research cycle process (provided in Chapter 4 of Ebook) to investigate the plausible cause of the ethical issue in your chosen topic, with the goal of your research being to clearly define the problem.
    a. Please refer to your Week 4 tutorial worksheet as an example in applying the process. Following the research cycle process, you should be doing the following:
        i. Use the Monash library database and Web search to search for your independent sources. It must have a minimum of five (5) independent sources for your chosen topic. You are allowed to have more than 5 but they must include:
            - Two (2) primary academic sources – e.g. a journal article or book chapter

- Two (2) secondary news media sources – e.g. online newspapers or journals
- One (1) tertiary source.

    ii. Read the sources you have collected.

    iii. Perform analysis on the sources you have collected (refer to Chapter Four of Ebook for definition and explanation how to perform analysis).

3. Write a report to share the output of your investigation. The report must have the following sections:

    a) Title (max 20 words) **DONE**

    Set a specific title that reflects the major findings of your investigation.

    b) Introduction to the topic (~500 words) **DONE**

      i. Brief background of the topic.

      ii. The main topic of investigation.

      iii. Significance of the topic of investigation with supporting evidences of sources (i.e. Why is the topic important for a computing professional?).

    c) Literature review of the selected sources (~900 words) **DONE**

      i. Definition of the techniques and/or concepts used for the computing application.

        - Techniques refer to computing techniques such as recommendation algorithms, machine learning techniques, image processing techniques, etc.
        - Concepts refers to an idea or an invention, for example an autonomous vehicle is an invention, or a moral machine is an idea.

      ii. Analysis of how the techniques and/or concepts used have most likely led to the significance of the topic being investigated (i.e., ethical issues) using your independent sources.

    d) A clear problem statement that defines what is the actual problem, why has it become an ethical problem, and how did it become so. The problem statement should be provided with clear reasoning, evidence and justifications supported by your sources. (~650 words) **DONE**

    e) Conclusion

      i. Summary of the topic of investigation and its significance. (word count not counted) **DONE**

    f) List of citations of the sources you selected (references). References are not included in the word count. **DONE**

      i. Use APA citation style.

NOTE: A report template has been provided on the Moodle Assessment page. Please use the template provided. You may refer to the Q Manual, page 103 in formatting your report.

You can only know how to produce the report above if you read the Week Four (4) chapter in the FIT1055 textbook and attend the Week's Four (4) intelligent research cycle tutorial lesson.