

**Assignment 1 (contributes 20% of CASS)**

Due date: 3 August 2025 at 21:00

Submission portal: Moodle

This assignment is expected to be done in groups of 2 (except 1 team that will be 3)

**Part 1**

Using an industry or human system of your choice conduct the following:

- 1.1 Discuss the technologies in place or technologies that can be used. [6]
  - 1.2 Propose and discuss innovative AI integration that can enhance the use of the technology identified above. [8]
  - 1.3 Evaluate the ethics issues that arise by the AI integration in the area selected above. [8]
  - 1.4 Explain how you would address the ethical issue identified above. [8]
- (Avoid submitting work generated by AI, this will be checked).

**Part 2**

Watch the video on this link [YouTube](#) as a starting point.

- 2.1 Develop and implement AI python framework to demonstrate AI integration. [20]
- 2.2 Discuss the ethics issues that arise from your application, and suggest how you would mitigate them. [10]