School of Science, Computing and Engineering Technologies

Higher Education Division

Assessment Components and Assessment Criteria

COS30018

Intelligent Systems

Semester 2, 2023

Assessment Components and Assessment Criteria

Overview

Results in this unit are determined from two assessment components:

1. Project work (50%)
2. Continuous Oral Defense (50%)

Project work (100 marks):

For this assessment component (**PROJ**), you can choose one of two options:

Option A:

You are given a project topic - there are three (3) project topics to choose from - and form a team of 2-4 students to work on the project. You tutor will monitor your project throughout the semester to ensure that you make steady progress. You will deliver the complete project at the end of the semester.

Note: Within Option A, if you have an interesting AI project that you want to do, you can also discuss with the teaching staff to get an approval for your own project before doing it. We will need to negotiate the assessment/marking scheme for your project.

Option B:

Some students may not be sufficiently confident in their programming abilities and can choose Option B after getting approval by the Convenor (bvo@swin.eu.au). For this option, the maximum result you can get for the project work component is normally 85 marks. However, if you can demonstrate outstanding and independent research ability then you can still get up to 100 marks.

For Option B, you are going to work in a project led by a teaching staff (i.e., the *project leader*). The project leader will provide you with an initial code base for this project. It is quite poor (in terms of programming and performance). We will give you weekly tasks to do to improve this code base (and in the process, you will learn about things such as data processing and deep learning).

Assessment of Project Work: While the assessment for Option A will be based mainly on a submission at the end of the semester (end of Week 12), the assessment of your project work for both Options A and B will take place throughout the semester. That is, your tutor will be checking the work you and your team have been produced each week to make sure that you are making steady progress and the marks you will receive at the end of the semester will also reflect the progress you make during the semester.

Continuous Oral Defense (100 marks):

For this assessment component (**COD**), you have to attend at least two (2) oral defense sessions with the lecturer (Bao Vo) to answer some questions about the unit content and also one question at the end of the semester about the project you participated in:

Session 1 (to take place in Weeks 5 and 6): You will be asked 2-3 questions about the unit contents in Weeks 1-4.

Session 2 (to take place in Weeks 9 and 10): You will be asked 2-3 questions about the unit contents in Weeks 5-8.

You will receive immediate feedback on your performance on these questions. In the two sessions 1 and 2, you will be asked a total of 5 (five) questions. Each question will give you a maximum of 15 marks. Thus, **after completing Sessions 1 and 2, you will get a maximum of 75 marks**.

You may want to register to attend the 3rd session (the *extra session*). The extra session is to take place in Weeks 12 and 13.The questions asked during the extra sessions can be related to any week of the semester (1-11) or even about the project you are involved in.

When do you want to attend the extra session?

1. Your results in Sessions 1 and 2 were too poor and you would like to improve on them; or

2. You are aiming to achieve high marks (**76-100**) and questions will be quite advanced.