

CS7IS2: Artificial Intelligence Group Project

In this **group** assignment, you are required to **implement, produce a report and accompanying presentation**, in order to analyse and evaluate 3 different AI algorithms to solve a problem of your choice. This assignment is worth total of **30% of your overall CS7IS2 mark**.

Submissions are via Blackboard, and due by **Thursday April 7th 5pm**.

You have an option to penalty-free submit assignment until Sunday evening (midnight) but please note there will be no blackboard/email/TA/lecturer support for assignment or any other technical issues past the official deadline.

Assignments submitted later than Sunday will be deducted 33% of the overall mark per day.

The files provided contain the requirements specification and guidelines (a zip folder containing a .tex source and a .doc file) for writing your report. In addition, they provide also the format for the report.

You will work in groups of 4 people and you can select your own group members. I would recommend forming the groups around the common interest area rather than just working with friends. If you do not have a group, I have provided a google doc which all of you should be able to edit, to help you search for partners or fill in empty spots in already formed groups

https://docs.google.com/document/d/1TeXzrcYgBe9oqsuTxwz0lfoww_9FE4PHvTQbbg-rlTQ/edit?usp=sharing

A report must be 8-10 pages in the format provided (both .doc and .tex templates are provided) Shorter or longer reports will be penalized.

(Note based on questions received: No, you cannot work on this assignment alone. Yes, you can work in groups of 5, but you need to compare 4 approaches instead of 3 and your page limit increases by 2 pages, up to 12 pages)

Registering groups and repository link

You need to **register your group members** by sending me an email with the name of participants using the subject line **"CS7IS2 Group members"**. The email has to be sent by **Friday 25th of February 2022**. **This deadline is mandatory, failure will result in a penalty of 10%.**

Your registration email also needs to contain the **link to a repository** where you will **keep all of your code and report text produced for this project**. The repository should not contain **just final submission, but should start with an empty template and show the history of ALL of the contributions, both in terms of text and code**. (this can be all either in a git repository, or git for code and overleaf or shared google doc for the document – **please include links to both code and document in the email**). You should also maintain a todo file, progress, meeting minutes etc in the repository. This will be used to verify that all team members have more or less equally contributed

to the project. If you are using a public repository, please include only the link to it in the email. If the repository is private, you will need to add me as a member to be able to see your contributions. My github account is duspari, and bitbucket one ivanad. If you are using college-hosted gitlab.scss.tcd.ie, my college username is duspari.

Presentation and sharing your report with the class

Each group also needs to record and submit a 4-slide (5-minute) presentation on their project.

All project reports and presentations will be shared with the whole class so that everyone benefits from the research done by each other.

Submission instructions

Submissions are via Blackboard, and due by Thursday April 7th 5pm. Submissions will be checked for plagiarism using Turnitin.

Submit **a single zip file** containing only the **pdf of the final report** and **the readme.txt file**, named NAME_SURNAME_STUDENTID_assignment2.zip.

Readme.txt file should contain the following information:

- Link to repository with the code
- Link to overleaf or google doc with the document
- Link to presentation (it can be an unlisted youtube video, or shared in google drive etc – please check permissions allow me to access it to mark it).
- Group members list and summary of contributions of each member in the team

All members of the group need to submit the same report in their blackboard profiles.

If you have any questions about the assignment, please use Blackboard discussion board, so that answers can benefit the whole class.