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| **Introduction to AI COM526 Software Prototype and Report (AE2)** |
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| |  |  | | --- | --- | | Your student number + Name: |  | | Choice of prototype:  (Chatbot/Email Categorisation/ Sudoku) |  | | Your team member’s name if applicable  (for the implementation of the prototype) |  | |
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#### You should submit 2 files:  - Your report as a word or pdf document (uploaded separately)  - Your video recording and source code including any data files as a zip file

#### You will be expected to demonstrate your working prototype **(in your group)**. This demo should be recorded (maximum 7 minutes long video) and I should see the names/hear both students ideally presenting part of the work.

# **Introduction**

Write an introduction on Artificial Intelligence, consider some of the problems AI can cause to society, consider the legal, social, ethical and professional issues as appropriate and relevant to your software product on your chosen topic (AI ChatBot/Email Categorisation or Sudoku).

## *Need for your prototype (if relevant)*

## *Statement of the problem*

## *Aims and Objectives*

***Literature Review/ State of the Art***

***Proposed Solution***

***Prototype Design***

After you have identified some design of the potential problem from previous studies and from the literature, propose your design.

***Prototype Development and AI Algorithms used***

This is a major part of the work. All tools/software/libraries/development platform used. **Provide screenshots of your work, code snippets, diagrams etc. and you can refer to the codes that will be submitted.** Talk about the AI algorithms that could have been involved in the prototype (even if you did not manage to implement it). You can also talk about different ways of implementing the solution, what worked, what failed etc.

You can also add a paragraph of how to run your codes (to allow the markers to test it once you submit this).

***Evaluation***

Did you test/evaluate your prototype? If yes, how?

***Limitation***

Some challenges and limitations

# **Conclusion**

A few lines to conclude on the work and how you could have improved the prototype in the future.

**(Total word count): 1800 min <report < 2200 max**

# **Reference List (Harvard Style)**

All references in the list must have the relevant in-line citation throughout the report. Please make sure to make use of peer-reviewed research papers, books, journal articles, conference proceedings etc