CS 401 Artificial Intelligence

Project   Spring 2020

Assigned on 12/05/2020

Part a) [Proposal]   22/05/2020 on **slate** before 11:55 p.m.   [1 Mark]
Part b) [Progress]   30/05/2020 on **slate** before 11:55 p.m.   [2 Marks]
Part c) [Final Report]   10/06/2020 **on slate** before 11:55 p.m**.**   [4 Marks]
Part d) [Poster and Recorded Presentation] 12/06/2020 **on slate** before 11:55 p.m**.**   [3 Marks]

                                                                                Total Weight 10%

Course Project

Instructions:

Following rules will be enforced for this assignment

- The project can be done independently or in groups of at most 4 students
- Recommended platform for this assignment is PYTHON but you are free to choose a language of your choice like Java, MATLAB, and C++ etc.

Course project will have the following four deliverables

Part a) [deadline 22/05/2020] Project Proposal   [1 Mark]

You must submit, on Slate and on Piazza, a document containing the details of your project proposal and get it approved before the deadline (22/05/2020). Include the following information in your detailed project proposal:

- Motivation: What problem are you tackling and why it is important to solve that problem?
- Method: What are some of the AI or machine learning techniques/methods you are planning to use?
- What are some of the experiments that you intend to perform?
- Team member information

Please remember that you are free to choose a project of your choice. It is therefore recommended that you start early as it takes a lot of time and effort before one can finalize an idea. Further, if you are planning to use AI in your FYP then it might be a good idea to choose an idea related to your FYP so that you can test/experiment/explore ideas and technologies that you might use in your final year project

Part b) [deadline 30/05/2020] Progress   [2 Marks]

Since you will be busy in Eid-festival activities from 24th to 27th therefore it might be a good idea to start working on the project early.

The progress report will be a short report consisting of at most two pages describing the overall progress in the project. For example if you are taking a machine learning based project then what dataset has been obtained, what code/notebooks are available online and what are some of the initial experimental results you have obtained.

Department of Computer Science   **FAST-NUCES**   **Lahore Campus**

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It might be a good idea to pick an ongoing competition on Kaggle as your project as the dataset along with some online assistance will be available about that project.

Some of the online competitions and projects were introduced during the online lectures and if you are going to compete in such an online competition then you must include the details of that competition and various alternate methods for solving the problem and your suggested method.

Part c) [deadline 10/06/2020] Report   [4 Marks]

A detailed report describing consisting of a detailed introduction of the problem along with details of your method and implementation details must be presented in the final report

Part d) [deadline 12/06/2020]Poster   [3 Marks]

The class projects will be presented as a poster (36in x 24in) along with a short recorded presentation video. Your work will be shared with your class fellows and you will be required to evaluate project presented by some of the other teams. You poster and report will be in PDF format and presentation will be in the form of narrated slides or a video recording.