Generated Artificial Intelligence

Project Guidelines

Issue Date: 15th September 2023

Your group project is an opportunity for you to explore an interesting problem/application relevant to the generative AI. Each one of you will work in a group of three students on single project. Please coordinate group composition yourselves. Two or four students' group is exceptional and need instructor permission. Instructor and teaching assistant will consult with you on your ideas (if necessary), but of course the final responsibility to define and execute an interesting piece of work is your responsibility. Your project will be worth 20% of your final class grade. The scope of this project is quite free, so please do explore your interests. This can be range from data generation, question and answering, image generation, or music generation. It is possible, more than one group can select the same topic but need to apply different technique. Please write the detail in the following link till 29th September (This following list will be used for schedule purpose and main contact point with team).
https://docs.google.com/spreadsheets/d/1lMMmwb526dn_HnlwwDLdoytReIXsoBb_eHHKOTLRWwo/edit?usp=sharing

Expectation: Each project should be developed in python and rigorous analysis is required.

Deliverables

1. (10 pts) **Social Responsibility and Generative AI**
   - Team lead will combine the whole group slide and upload as ppt.
     Deadline: 22 September 2023

2. (10 pts) **Proposal Idea**
   - It should contain **ONLY 200 words** and give **clear** indication on what you are planning.

     Template: provided in Moodle
     Submission: Upload *.pdf* proposal in Moodle
     (Only team lead will submit it on behalf of team)
     Deadline: 29th September 2023

   - **Marking Details**
     - (10 pts) Proposal is well-written and concise. Includes main idea and most important points of project.
     - (8 pts) Proposal is reasonably accurate (some minor errors).
     - (5 pts) Proposal is missing main ideas/points.
     - (3 pts) Proposal is extremely limited.
     - (0 pts) Proposal is not submitted.

3. (20 pts) **Project Check Point**
   - This deliverable is to check the progress made so far in the project. The requirement is a substantial portion of work to be done.

     Submission: Github Repos link
     Deadline: 27th October 2023

- Marking Details
  - (20 pts) Contains .md file explaining the project details such as title and one paragraph of about the project. Jupyter Notebook as an example, Structure code into modules and functions, followed coding convention.
  - (15 pts) Well maintain repository with good coding practices
  - (10 pts) Extremely limited
  - (5 pts) Just started work
  - (0 pts) No submission / link not working

4. Final Submission

- (20 pts) **Project Report**

  (Template: https://www.ieee.org/conferences/publishing/templates.html)

  - Introduction
  - Related Work
  - Methodology
  - GitHub link: (Double check the link it should work properly)
  - Experiments and Evaluation
  - Analysis and Observations
  - Conclusion
  - Reference

  Submission: Upload *.pdf* report in Moodle (Minimum page limit: 4 Pages) – Only team lead will upload the report on behalf of the team.
  Deadline: 24th November 2023

- (10 pts) **GitHub** maintained and complete till 24th November 2023

- (10 pts) **Final Presentation**

  - Duration: 5 Minutes
  - Use your own template which best suits your project
    Deadline**:** During the class and lab time – 1st December 2023
    (Schedule will be shared).

- (20 pts) **Project Demo** – When students have free slot after before the final exam (Schedule will be shared accordingly)

NOTE: If your code is not working during the project demo then your whole submission will be evaluated in 50% marks of the "Final Submission".

- **Policy**
  - **No late submission is allowed.**
  - If (plagiarized code == True || code != working) then "0"