DL-Ops Project

Key Points:
1. The Maximum point for this project is 100.
2. This is a group project (size=3). It is recommended to form a group of three. However, we can consider smaller group sizes as well on request.
3. Any form of plagiarism in this project will be subject to disciplinary action and may result in an F grade for the course.

Deliverables:
1. **Report**: (i) Use the template (CVPR 2022 format) provided with this assignment. (ii) Maximum limit: 5 pages.
2. **Github repository link**: (i) well-arranged directory structure with a proper README
3. **Live Demonstration**: A live demonstration will be taken after the submission deadline, followed by a brief viva.

Expectations:
1. Innovative and novel problem statements and solutions will be duly rewarded. Following is a pipeline to approach this project:
   a. Ponder on the different use cases of Deep learning apart from conventional fields. You may refer to demo papers from top conferences like AAAI, NeurIPS, ICPR, etc.
   b. Try to make a generalized web-based system wherein the user has the choice to select different models.
   c. Deploy it on free platforms like Streamlit, Heroku, or any other platform of your choice.
   d. Work on the UI and try to provide some visualizations like GRAD-CAM-based maps, etc.
   e. Perform a comparative analysis of the obtained results for different queries given by the user/ different models utilized.

f. Write a well-documented report covering the following bullet points:

    i. Title

    ii. Introduction/Objective/Motivation

    iii. Related Work/Background

    iv. Methodology of the proposed system

    v. Results/Observations

    vi. Conclusion and Future Works

    vii. References

In this regard, a proposal has to be submitted highlighting the Title, Group Member Names & RollNos, Introduction, Related work (in brief, you can add more in the final report), and a basic insight into the methodology. Please submit it by **10th April, 11:59 PM** on Google Classroom (the deadline is strict).

The proposal file should be named **RollNumber1_RollNumber2_RollNumber3.pdf** and should be submitted by any **one** member of the team.