**Due Date: November 20th, 2024 11 am**

**Purpose**: To submit an official project proposal that

1. Gives an introduction to the problem your group is attempting to solve with deep learning for the final project (with references and citation to current literature)
2. Outlines your expectations for the solution design and limitations
3. Expands upon subsequent impact of your solution.

**Instructions:**

1. Communicate with other students to form a team.
2. Designate a team captain who will be in charge of SUBMITTING ALL FINAL PROJECT MATERIAL ON THEIR CANVAS ACCOUNT (proposal, poster, write-up, etc).
3. Have your team captain fill out the team survey to designate who are your teammates and who is the team captain. The team size is from 1 to 4.
   1. Link: [Project Team Survey](https://docs.google.com/forms/d/e/1FAIpQLSclU82RoMfogdzM51oO3JuVibwv6b4gUm0xRPA6cn4ZNCAT9g/viewform?usp=sf_link)
4. Use “ELEC\_COMP\_576\_Fall\_2024\_Project\_Proposal\_Instructions\_and\_Rubric” document to help write your project proposal (in this document there is a link to example submissions from previous semesters)
5. Have the team captain submit your project proposal AS A PDF on canvas before due date

**Overall requirements:**

1. 1 page minimum, 4 page maximum
2. References must be included
3. Submission must be a pdf

## Rubric:

1. One team member has submitted the team member names in the google form (5 pts):
   1. [Project Team Survey](https://docs.google.com/forms/d/e/1FAIpQLSclU82RoMfogdzM51oO3JuVibwv6b4gUm0xRPA6cn4ZNCAT9g/viewform?usp=sf_link)
2. Sections in write up:
   1. Abstract (10 pts)
   2. Background/Motivation (30 pts)
      1. Is the problem clearly stated
      2. is background information provided so the problem can be understood even by those outside of the deep learning community
      3. Is this problem not previously solved (should have references to previous work showing this)
      4. is the importance of solving this problem communicated
      5. Is the problem related to a novel application of deep learning
   3. Proposed Experimentation/Implementation (30 pts):
      1. Is the dataset to be used clearly described (and explained how will be obtained if not publicly available)
      2. What are the Design requirements identified
      3. What are initial plans for architectures, designs, etc
      4. what is the step by step process of how the project will be accomplished and measures of success for each stage
      5. What is the breakdown of which team member will be doing what tasks
   4. Feasibility and Limitation (10 pts)
      1. explain your projects endpoint goal in terms of why you stopped there because of limitations, time etc.
      2. Explain potential challenges you might encounter during the project, and initial solutions to these problems
      3. Explain what limitations you don’t yet fully understand and where you’ll need to do more investigation to explore if they will limit your project
   5. Potential Impact (10 pts)
      1. How will the solution to this problem impact other fields, lead to other developments?
   6. References (5 pts)

## Examples Project Submissions:

## [Project\_Proposal\_Examples](https://drive.google.com/drive/folders/1PnLjqMFJd_P2GTcgAiIKKJj7AH0ZO804?usp=sharing)

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