

Three steps:

1. Create a presentation slide deck
2. Create a video recording explaining details of the slide deck
3. Upload the slide deck and video recording in D2L.
4. Questions will be asked regarding the presentation on Oct 14 (during regular course time)

The following contents should be in the slide deck:

1. Problem Overview.
 - a. What is the specific use case you want to solve using Machine Learning (ML)
 - b. Why is it important to solve?
2. Extension of Original Paper
 - a. What is done in the original paper
 - b. How are you going to extend the paper ML work?
3. Research questions
 - a. What research questions you would like to answer by analyzing the data
 - b. What research questions you would like to answer by doing ML on the data
4. How will you plan to do the following stages during your ML development?
 - a. Stage 1 – Data Preprocessing
 - b. Stage 2 – Data Labeling
 - c. Stage 3 – Feature Extraction
 - d. Stage 4 – Classification
 - e. Stage 5 – Validation of the ML model performance
 - f. Stage 6 – Optimization of ML model performance

Your grading will depend on the following criteria:

1. Clarity of the overall approach
2. Quality of the presentation
3. Ability to answer question during Q&A