In your final project, you will be working on developing a neural network model for the problem/dataset of your own choice. You can use your PhD or Masters thesis research topic and try to apply neural networks to solve it, if applicable. In the first phase of the project, you will be submitting a document explaining your project topic, dataset, and some basic literature review. Please submit a PDF file containing a brief description of your final project, it should include the following sections:

Project Title

Description (two paragraphs): In two paragraphs, provide background and explain the goal of your analysis, the task you want to solve using deep learning, the task type (classification binary or multiclass, regression, generative, etc.), and the type of neural network you are going to use(MLP, CNN, RNN, etc.)

# Literature Review

(two paragraphs): Provide a summary of 4 related papers

# Sample architecture image

Embed the image of a deep learning model architecture used to solve a similar problem from the references which you have reviewed in the previous section

# Dataset

(one Paragraph): explain the dataset you will be using, the size of data (number of rows and columns and also size on Disk), link to its source if available

## Data Dictionary

Explain its columns in a table format.