**Text Classification using RNN**

The objective of this assignment is to implement a text classification task using Recurrent Neural Networks (RNNs). You will build a model to classify text data into predefined categories using Python.

Dataset:

Use the given dataset Spam & Ham, it contains below columns

Class: Spam or Ham

Message: Email content

Steps to include;

1. Preprocess the dataset by tokenizing the text, removing stop words, and performing any other necessary preprocessing steps.
2. Split the dataset into training and testing sets.
3. Train your RNN model on the training data.
4. Monitor the training process by observing metrics such as loss and accuracy.
5. Evaluate the trained model on the testing data.
6. Calculate evaluation metrics such as accuracy, precision, recall, and F1-score to assess the performance of your model.
7. Analyse the performance of your model. Identify any trends or patterns in the results.
8. Discuss the strengths and weaknesses of using RNNs for text classification tasks.