**Image Caption Generator**

**Project Name:** Spam Classifier

**Project Type:** Computer Engineering V. Semester Artificial Intelligence Course Project

**Project Consultant:** Dr. Handan Kulan

**Project Member:**

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**Purpose of the Project:**

Aim of this Project is to classify spam messages using the Python language and learn consepts and techniques like text processing, RNN, LSTM.

**Outputs of this Project:**

Spam detection can protect us from unwanted and malicious emails. In this study, using a dataset which contains spam or ham messages, a classification application is made to classify if a message is spam or not with the help machine learning model techniques. These are the steps that is done to classify messages,

* Text Processing (Cleaning dataset and Tokenizing the data)
* Separation of training and test datasets
* Model creation and training
* Improvement of accuracy rates and output results

**Tools Used:**

* Python
* Kaggle For Dataset

**Open areas for development:**

* It can be turned into a web or mobile application that can directly filter incoming mails in the mailbox.
* The model used can be improved.
* Different classification models can be used to compare the accuracy.

**Commercialization Potential:**

This project can be developed and commercialized as an application that can block/filer spam and unwanted messages or email.