# Spam SMS Detection – Project Description

The Spam SMS Detection project aims to build a machine learning model that can classify SMS messages as either spam or ham (legitimate). Using techniques such as TF-IDF vectorization and classifiers like Naive Bayes, Logistic Regression, and SVM, the model learns to detect patterns in textual data.  
  
This project involves essential NLP preprocessing steps, training multiple ML models, and evaluating their performance using standard metrics like accuracy and F1-score. With a high accuracy rate of over 97%, the project showcases how machine learning can help combat spam communication.