**SPAM DETECTION USING MACHINE LEARNING**

***ABSTRACT:***

Nowadays, a big part of people rely on available email or messages sent by the stranger. The possibility that anybody can leave an email or a message provides a golden opportunity for spammers to write spam message about our different interests .Spam fills inbox with number of ridiculous emails . Degrades our internet speed to a great extent .Steals useful information like our details on our contact list. Identifying these spammers and also the spam content can be a hot topic of research and laborious tasks. Email spam is an operation to send messages in bulk by mail .Since the expense of the spam is borne mostly by the recipient ,it is effectively postage due advertising. Spam email is a kind of commercial advertising which is economically viable because email could be a very cost effective medium for sender . The objective of developing this project is to detect whether the message is spam or not faster and accurately. The trained dataset model is used to detect the spam mails using multinomial naive bayes classifier which an package from the python library scikit-learn(sklearn).

specified message can be stated as spam or not using Bayes’

theorem and Naive Bayes’ Classifier and Also IP addresses of the sender are often detected

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