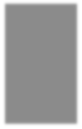
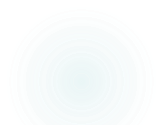
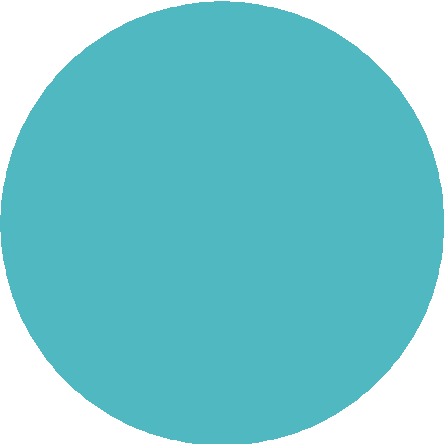
Chettinad college of engineering and technology



END-TO-SPAM DETECTION IN E-MAIL

GUIDER NAME:Mr.R.Rajkumar

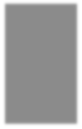
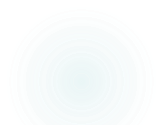
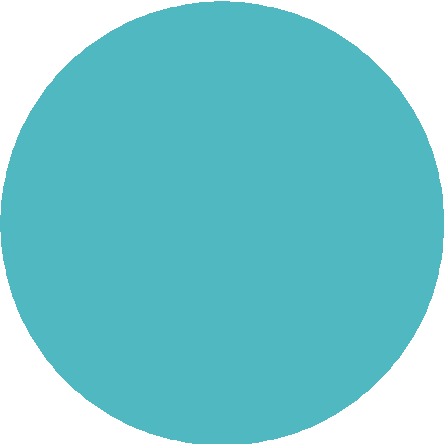
BATCH MEMBERS:

S.Janaki(22CS017)

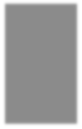
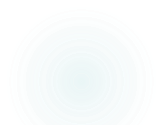
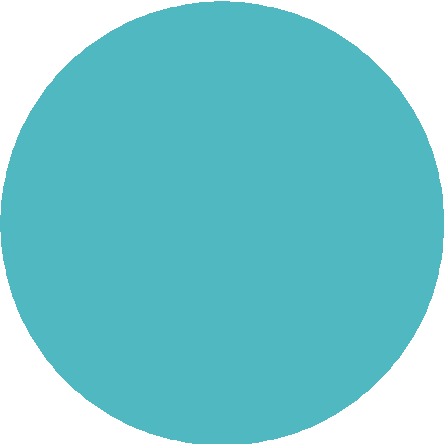
S.Priyadharshini(22CS042)

U.Srinithi(22CS053)

# ABSTRACT



▶ Spam email is unsolicited and unwanted junk email sent out in bulk to an indiscriminate recipient list. Typically, spam is sent for commercial purposes. It can be sent in massive volume by botnets, networks of infected computer. Your Email Isn't Properly Authenticated it is the reason for spam email. It can be sent in massive volume by botnets, networks of infected computers. While spam is annoying -- it can choke email inboxes if not properly filtered and regularly deleted -- it can also be a threat. Spam is spread malware, trick you into divulging personal information, or scare you into thinking you need to pay to get out of trouble.In this project we use logistic regression in Python to build a simple spam detector.we use some libraries such as pandas, numpy, sklearn, and nltk to help us with data manipulation, analysis, and modeling.In this impact of project Spam detection unsolicited, unwanted, and virus-infested email (called spam) and stop it from getting into email inboxes.



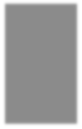
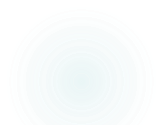
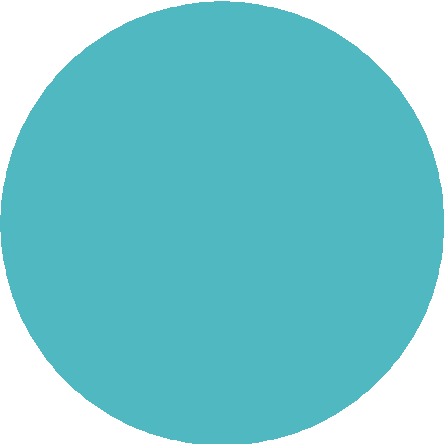
# OBJECTIVE

▶ The object of identification of spam e- mail are:

▶ To give knowledge to the user about the fake e- mail and relevant e-mail

▶ To classify that mail spam or not

# EXISTING SYSTEM AND DISADVANTAGES



▶ They conclude that most email spam filtering is done by utilizing Naïve Bayes and the SVM algorithm.

▶ There are several numbers of email spam filtering technique such as Knowledge-based technique, Clustering techniques, Learning- based technique, Heuristic processes.

▶ Thousands of spam emails may reach Inboxes before a spammer’s

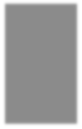
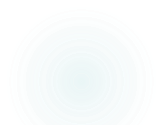
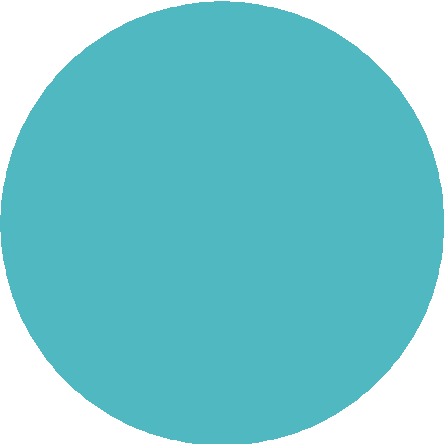
email address, IP or domain is blacklisted.

▶ Often omits perfectly legitimate messages, called false positives, while letting actual spam messages through.

▶ Emails irritate the recipients since they are not receiving relevant

information.

# PROPOSED SYSTEM

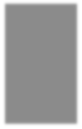
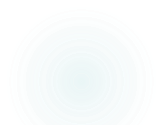
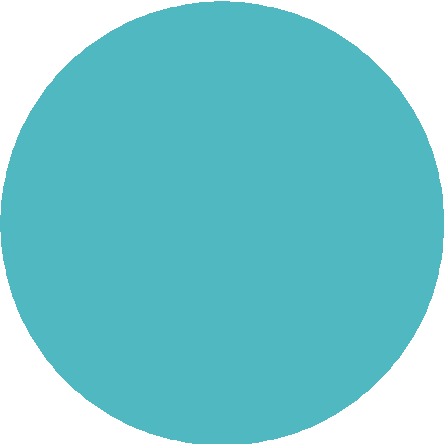


▶ We can prevent spam messages from creeping into the user’s inbox ,thereby improving user experience.

▶ Report the e-mail is spam

▶ Block the spam e-mails

# MODULES

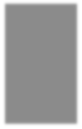
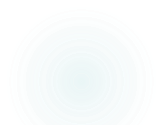
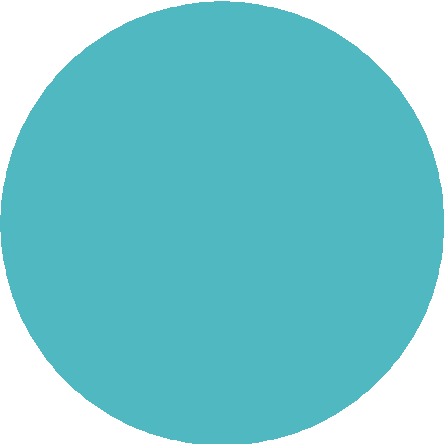


▶ we will learn how to use logistic regression in Python to build a simple spam detector. We will use aemails that are labeled as spam or not spam. We will also use some libraries such as pandas, numpy, sklearn, and nltk to help us with data manipulation, analysis, and modelling.

▶ NumPy can be used to perform a wide variety of mathematical operations on arrays. It adds powerful data structures to Python that guarantee efficient calculations with arrays and matrices and it supplies an enormous library of high-level mathematical functions that operate on these arrays and matrices.

▶ Pandas is a Python library used for working with data sets. It has functions for analyzing, cleaning, exploring, and manipulatingdata.

# APPLICATION



▶ A spam filter is a program used to detect unsolicited, unwanted and

virus-infected emails.

▶ prevent those messages from getting to a user's inbox

▶ use a filter to set up specific rules that can be applied to all emails coming into your system.