"A Critical Analysis Gmail Services "

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Abstract- *In this article we are proposed some information about Gmail services. The objective of this paper is make a comparative study of various Gmail services we are make analysis table for the various features of Gmail . Number s of research article are existing ,these all research article include the some specific area of Gmail domain like Inbox Feature , Mail Raking , Mail Importance ,classification of mail ,mail cluster . Decoy mail analysis so many more . This article include proper comparative analysis of all information those are already proposed and implement by the researcher for the Gmail services .*

Keywords- Gmail , Gmail Services ,Mail , Security ,web mail .

I. INTRODUCTION

Now a day Gmail services have the millions of Gmail user, these all are using Gmail Services for performing the different different task .The main objective of using the Mail services is information sending , in the current era Gmail has a lots of application apart from the mail service these are storage facilities , Gmail cloud , multiuser account many more . So no need to introduce the working concept of Gmail because each and every Gmail user are very well known the facilities of Gmail Service . Next section of this article are include the literature survey for Gmail along with its facilities .

II. LITERATURE SURVEY

This section is include the various services of Gmail along with its proper comparative analysis .

Ref[1]- The Priority Inbox feature of Gmail ranks mail by probability that user will perform an action on that mail. In this paper author are calculate the feature values of mail during the ranking for this work researcher are used ID3 Style Algorithm on the histogram of the feature values. In this work researcher are convert the Continuous Feature in to the Binary Feature ,for this work author are constructing models that reduce training data requirements, storing and processing terabytes of per-user feature data.

Ref[2] –Author are represent case study of Decoy related Document , this work is based on the decoy related graph ,error related rate , policies. In this paper researcher include decoy related case study of Gmail or fake mail , those mail are sending from the so many private fake company , these mail include the so many offer discount , prize , or so many more thing , but these mail are hide the true information from the receiver. For this work author are developed a novel trap-based architecture for enterprise networks that detects \silent" attackers who are eavesdropping network traffic. Author are present a statistical and information theoretic analysis and used the some automated tools and decoy properties, decoy documents, decoy networking, host based decoy. Trap-based Decoys , PayPal Decoy Analysis , Gmail Decoy Analysis, counts for login errors obtained, False alerts for Gmail Decoys over a 5-month period, and make proper analysis for the Gmail decoy.

Ref[3]- In this paper author are introduce the new approach for find very important mail when those type mail are arrive in the your mail inbox , so in this work author are introduce the refinding process. Some users expend considerable preparatory effort creating complex folder structures to promote effective refinding. However modern email clients provide alternative opportunistic methods for access, such as search and threading, that promise to reduce the need to manually prepare. Data of this paper is support opportunistic access. In contrast, both search and threading promote more effective finding. In this author present design implications: current search-based clients ignore scrolling, the most prevalent refinding behavior, and threading approaches need to be extended
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Ref[4]- In this paper researcher are optimize the expensive computations to verify a user's signature as opposed to public key cryptographically protected email. Provide email users with security features that include state-of-the-art biometric authentication schemes. In this paper author are mainly concentrate the securization of e- mail. Ref[5]- In this paper author are introduce the new concept is call force http for the web cookies security for this work researcher are take the some model and make its comparison , in this paper author are introduce the one example related to above Gmail serves its content to authenticated users both over HTTPS and HTTP. The login form, however, is served exclusively over HTTPS
.

Ref[6]- In this paper, author describe a large-scale nationwide organizational survey examining the relationship between

email use and feelings of email overload and task coordination. In this paper found that higher email volume was associated with increased feelings of email overload, but this relationship was moderated by certain email management strategies. For this work author are used regression techniques to develop a path model of the relationship between job characteristics, email communication, email management strategies and feelings of email overload. In this work author to examine associations between the perceived importance of email to work, email volume, and feelings of email overload.

Ref[7]- This paper is categories in the two main objective one is the navigation technique other is e- mail sorting . In this paper for the file finding the folder-based navigation method are use .

Ref[8]- In this paper, is based on the user-oriented approach to applying AI to email. In this paper author are identify enhancements to email user interfaces and employ machine learning techniques to support these changes. In this paper author are compare two methods for selecting keywords, each of which may be used in conjunction with either latent semantic analysis LSA or latent Dirichlet allocation LDA.

Ref [9]-In this paper researcher are introduce the clustering framework for the E- mail Filtering for the experiment author are used the focus on mining mailbox networks author are present C-Rank: a new cluster ranking algorithm. C-Rank creates a list of overlapping clusters and ranks them by their integrated cohesion.

Ref[10]-As per the author there are two definition of E- mail overloading that is receiving a large volume of incoming email, and having emails of different status types (to do, to read, etc).In this paper author are extend the work of Whittaker and Sidner proposed the latter definition in 1996. Author are introduce the Three concept in the Whittaker work that is 1) updating the state of email overload, 2) extending our understanding of overload in the context of Gmail and 3) comparing personal with work email accounts: while work email tends to be status overloaded, personal email is also type overloaded.

Ref[11]- This paper introduces research into the presence of temporal information in email that relates to time obligations, such as deadlines, events and tasks. The main focused is current difficulties faced in temporal information organization.

Ref[12]- In this paper researcher are proposed the concept of Cues that related the Email at on the inbox of user. This research work is deepens the understanding of how people prioritize information, and should inform the design of email clients and email labeling strategies. .

Ref[13]- In this paper, described the importance of email in the everyday life of information and knowledge workers, as well as discussing its value, namely not only the contents of email but also its tacit and unexplored interconnection with the community or enterprise business context and environment. In this paper researcher are make a good collection of all Tool related to Knowledge management and Content management of E- mail these all are mention below

Knowledge management and context-sensitive Information retrieval Tool list

Tool Name	Tool Description
kMail	The kMail system1 integrates email communication with organizational memories; however, it also forces users to use a special email client and lacks a closed knowledge cycle loop.
Zimbra	Zimbra offers a web-based client with functionality to detect objects such as phone numbers or addresses, and allows some actions on these objects.
Gmail	Gmail, a webmail developed by Google, supports content-sensitive advertising and offers actions such as add event to calendar or track package within an email.
Acoma Framework	Email processing and active context-sensitive information and knowledge provision related to email content was exploited in the Acoma framework. Acoma connect to any email client as a proxy (similarly as antivirus programs) and add html or text attachments including context sensitive hints into an email message.
R&D Prototypes	R&D prototypes have been developed, which are focused on solving problems of email communication to handle various tasks such as task management, information archiving or collaboration aspects Telenotes, ContactMap, TaskMaster, Snarf, ReMail or Priorities.
MarkMails	MarkMail8 is a community-focused searchable message archive service, which allows an organization with large amounts of email to leverage the large amounts of collective knowledge accumulated over time through email discussions.
iWantsandy	iWantSandy was an email-based tool aimed at helping with the organization of tasks in a person's daily life.
Attent operate	The Attent solution from Seriosity9 is one of the few commercial applications which really attempts to address the information overload problem resulting from the enormous amount of email found in business. It works by prioritizing a user's email based on perceived importance.
Xobni	Xobni10 is a recent Outlook plug-in, which supports extended search capabilities, a better organization of the inbox, and management of the media and contacts within emails by integrating social networking aspects into the email communication. Xobni offers various information related to the message sender, such as attachments exchanged, contact information extracted from signatures or senders related contact..

Ref[14]- The main objective of this paper is researcher are introduce the new concept for the Gmail services in this paper author are make the Email Valet email client draws on crowdsourced expert assistants to transform a cluttered inbox into an organized task stream. This paper introduces privacy and accountability techniques for crowd-powered systems. Researcher are focus on email task management, so in this paper researcher are introduce the EmailValet .EmailValet's assistants create a task list that is automatically populated from emails in the user's inbox.

Ref[15]-In this paper author are propose several ranking algorithms for suggesting useful filters. In this paper researcher are work for suggesting that such systems quickly filter groups of inbox messages and find messages more easily during search.

Ref[16]-This paper concentrate the Email overloading problem.The main Purpose of this Research "E-mail overload

occurs when the number of e-mails being sent and received becomes too difficult to manage, overwhelming the user." In this paper author are make a list of symptom these are Email Backlog, Low Responsiveness, Email Stress, Email Guilt, Large and Disorganized Inbox.

Ref[17]-This paper have been extensive investigations of automatic document categorization, email gives rise to a number of unique challenges, and there has been relatively little study of classifying email into folders. This paper work with Wide-Margin Winnow algorithm.

Ref[18]- In this paper, author are describe the field research that inspired Taskmaster and the principles behind its design. In this paper author describe how user studies conducted with "live" email data over a two-week period revealed the value of a task-centric approach to email system design and its potential benefits for overloaded users. In this paper research work for task management in email. Based on these studies, author are identify the major facets of email task management.

Ref. Number	Problem find/ Main Objective	Approach and concept used	Algorithm used	Model
Ref[1]	Priority Inbox	New application for the Gmail Account .	-IDJ Style Algorithm - for the Non Stationary and noisy training Data	Simple linear Logistic Regression Models
Ref[2]	Decoy Analysis with the Different type of decoy	Gmail Decoy calculation with the true and false approach	Automated Tools and Theoretic work	Threat Model used ,
Ref[3]	The main objective of this work is refinding the mail in this paper author propose and camper the different refinding strategies .	NO	NO	NO
Ref[4]	Providing the good security to e- mail user , and study to compare the some existing technique already use for the e –mail security	Biometric authentication schemes used for more security of e-mail , Fingerprint recognition to secure a e- mail	Cryptographic hash function is used my-SQL database used for the storing the fingerprint image for the security and key generation SHA-1 algorithm used .	No
Ref[5]	Security e- mail	Force HTTP	Cookies security	NO
Ref[6]	E- mail Overloading a case study is based on the job and employment company	Make scale as novel approach .	Regression Techniques path model	NO
Ref[7]	The objective of this paper is finding the file and e- mail	Folder based navigation is used	NO	NO
Ref[8]-	A new approach are used for the classification of the E- Mail this is called the Intelligence mail	Concept of AI is used in this paper and Machine Learning Technique used	Compare two Methods LSA or LDA	
Ref[9]	C- Rank Clustering Framework are introduce	NO	Cluster Ranking Algorithm used	NO
Ref[10]	Work is based on the E- Mail Overload	Work on three area 1-Updating State of the Email overload 2-Understanding overload Context of Gmail 3- Comparing Personal Email Accounts .	NO	NO
Ref[11]	presence of temporal information in email difficulties faced in temporal information organization. This paper is based on the "Temporal Information" that is time dependence this paper is represent the Time related subset of Personal Information of the Email	Temporal Information Related to Time Orientated .	NO	NO
Ref[12]	Problem that describe in this paper is related to the internal message of mail and Influences Email prioritization	Proposed the system that gives the Clues , stated rationale for the certain emails over other . THINK-ALOUD STUDY Method	Hypothesis work no algorithm are mention in the paper s	NO
Ref[13]	Email processing and communication research mainly focusing, Email information Management	Classification of Email for the Knowledge Management and Collaboration , in the novel approach of this paper is Adding two tool working for getting a better result	NO Different Tool are used .	ICT Infrastructure are used
Ref[14]	Researcher are focus on the Email task management and include the privacy and accountability technique	EmailValet are introduce in this paper , author are give the facilities the permission for drawn crowdsourced in research work author are make cluttered inbox of Gmail as per task required.	NO .	Privacy and accountability technique are used
Ref[15]	This work is based on the filtering the viewed massages . In this paper researcher are work for suggesting that such systems quickly filter groups of inbox messages and find messages more easily during search.	Automatically Generating a list of view filters relevant to the displayed messages . *Search Operator Suggestion*, where search operators are special terms that retrieve emails based on message metadata,	Ranking Algorithm are used and make a mail filter system	NO
Ref[16]	Case study of Email overloading problem, This paper describe the causes and symptoms of email overload .	NO	NO	NO
Ref[17]	automatic document categorization, email gives rise to a number of unique challenges, and there has been relatively little study of classifying email into folders	A main work of this paper is to classifying the email in to the folders here author are make a two schemes one the former Enron employee and another for the participants in SRI research project .	Wide-Margin Winnow algorithm.	No
Ref[18]	This paper work for the task management , for the, and identify the major facets of email task management .	NO	NO	NO

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