

Automatic Email Management System

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Abstract— Email overload is a recent problem that there is increasingly difficulty people have faced to process the large number of emails received daily. Currently this problem becomes more and more serious and it has already affected the normal usage of email as a knowledge management tool. It has been recognized that categorizing emails into meaningful groups can greatly save cognitive load to process emails and thus this is an effective way to manage email overload problem. However, most current approaches still require significant human input when categorizing emails. In this paper we develop an automatic email clustering system, underpinned by a new nonparametric text clustering algorithm. This system does not require any predefined input parameters and can automatically generate meaningful email clusters. Experiments show our new algorithm outperforms existing text clustering algorithms with higher efficiency in terms of computational time and clustering quality measured by different gauges.

Key words: Email System, Email Clusters

I. INTRODUCTION

Email management is a specific field of communications management for managing high volumes of inbound electronic mail received by organizations. Today, email management is an essential component of customer service management. Customer service call centres currently employ email response management agents along with telephone support agents, and typically use software solutions to manage emails.

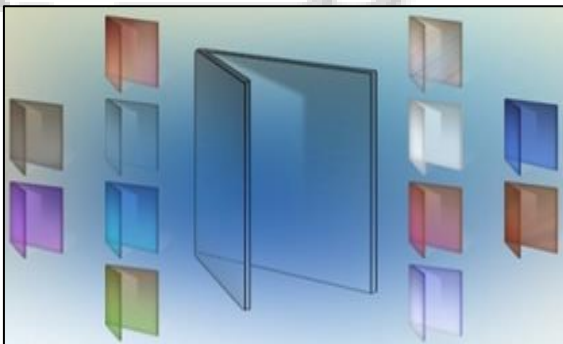


Fig. 1: Automatic Email System



Fig. 2: Corporate System

II. PROBLEM DEFINITION

Design a system of E-mail of clustering emails, accessing the data, sort out the data with the help of Clustering Techniques view data and similar type of mail are stored in one box Because of the particularity of the emails, some strategies of combining the body and the subject field feature have been put forward to representing the whole email, but only when the subject feature exists and is meaningful, these methods may be appropriate.

III. EXISTING SYSTEM

In Existing System your mail send only the whenever internet present and if internet connection fail or not ready then the mail to be failure.

A. Disadvantage

- 1) Complexity in handling mails.
- 2) Searching Mails is daunting task.
- 3) Internet Oriented service.

IV. PROPOSED SYSTEM

In the purposed system we have to develop the system or design a system you can send mail without internet connection you can send the mail this mail is stored in the database of server and whenever internet connection done at that time the Mail delivered the of client .this system is purposed you can sort out the same type mails or contents with the help of the clustering of algorithm. In this project we have to use the k-mean Algorithm, lingo algorithm, vector space model.



Fig. 3: Proposed System

A. Advantage

- Intelligent clustering of emails.
- Easy and Fast retrieval of emails
- Provides better communication method.
- Smart content identification using VSM.

V. HARDWARE AND SOFTWARE REQUIREMENTS

A. Software Requirement

- Development Tool: Net bean IDE.
- Development Kit: Jdk1.8.
- Anti-Virus Software.
- Oracle server.

B. Hardware Requirement

- Processor : Dual Core
- RAM : Minimum 2 GB
- HDD : Minimum 80 GB
- Operating System: Minimum Windows XP

VI. SYSTEM STRUCTURE

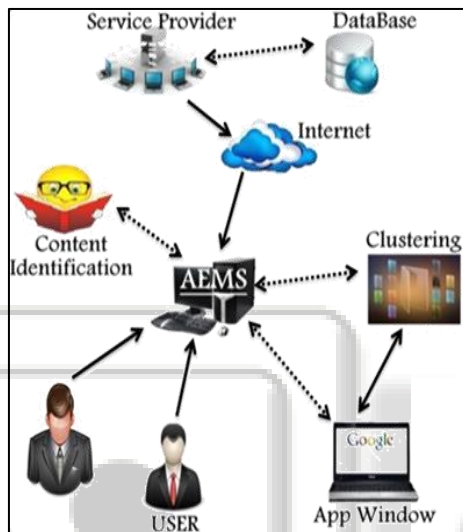


Fig. 4: System Structure

VII. USE CASE DIAGRAM

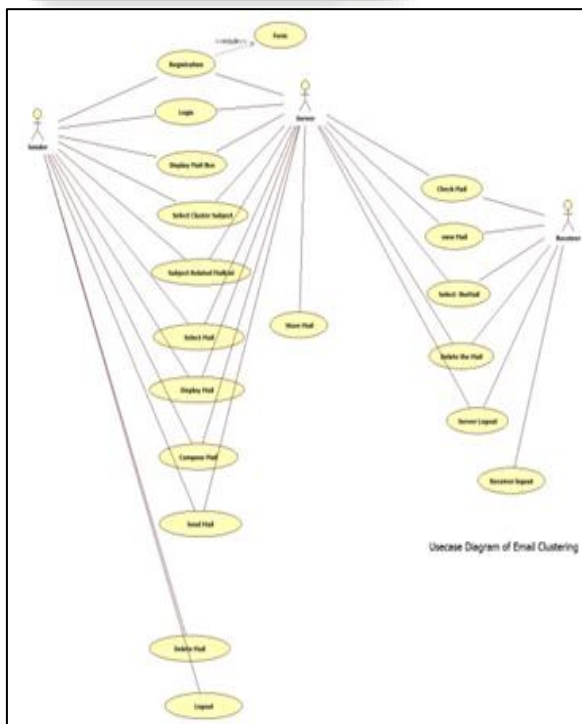


Fig. 5: System Use case Diagram

VIII. APPLICATION

- Manage the personal Email in personal system using cluster techniques
- Colleges, Industries, Hospitals.

IX. CONCLUSION

This system will generalize the process with help of clustering techniques and send mail without internet connection.

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