

# Offline Intranet Mailing System for Safe, Secure and Easy Mailing

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**Abstract** - The project titled as "Intranet Mailing System" has been designed with much care, with the intention easier and the the more more complexity involved is presented in a simple and lucid style. The Intranet Mailing System works in a similar fashion as that of an Mail Management System, there is need to get an internet connection for this mailing system. The various branches of the organization can be connected to a single host server and then an employee of one branch can send a message to an employee of another branch through server. The users of Intranet Mailing System are given a unique user-id and password is hidden. So it gives security also.

This project Intranet Mailing system aims of providing a good communication Interface for the organization. It can cut down the time of employees spend on routine communication tasks.

Its successful implementation makes easy the job of employees in the organization.

The objective of the system is for meeting the needs of the employees in the organization for communicating with each other within their units. This application provides basic requirements such as Mail management, File transfer and instant messaging. It also has enhanced features like web browsing and utilities. The Intranet-mailing System is very userfriendly application. Only certain applications like system monitoring instant messaging, chatting between two users needs a little training.

**Key Words:** Intranet Mailing System, Employees, Organization

## 1. INTRODUCTION

In professional world all the communications are being done by mails, now- a -days in social and economical life this mailing system is in more usage. Moto of this is to reduce the each mail maintenance time, and to make the system more user friendly, efficient, accurate and fast processing. The proposed system contains all the features like intranet mailing, chatting,

and files sharing in a single platform. The staff who uses of Intranet features are provided with the different login id and must give the correct password. It gives total security for us. So the unauthorized person who does not sing up can't be able to use the system. Even if the staff forgets his/her password can recollect the password and signup into the system. The main advantage of the system is its security it allows only registered staff to access the system and unauthorized staff can't be able to access and organizing all features in a single platform. By providing this information on the Intranets, staff has the opportunity to keep up-to-date with the information of the organization. Intranet can help staff to access and view information faster and use applications relevant to their roles and responsibilities, increasing staff ability to perform their jobs quickly, accurate, and with confidence that they have the right information.

## 2. Methodology

### Hardware description

The selection of hardware is very important in the existence and proper working of any software. When selecting hardware, the size and requirements are also important.

Minimum Conditions:

Processor : Intel(R) Core (TM) i5 CPU

RAM : 8GB More

Hard Disk Drive : 1TB More

### Software description

Front-End Design : Visual Studio 2013.Net framework

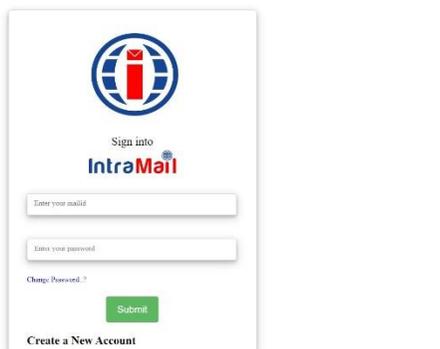
Back-End Database : My SQL

Operating System : Windows 10

### Performance Evaluation:

First of all, we will develop a website for our work. On that website we will have the following features –

**Main Login Page** - This module is mainly based for User and Admin. For authentication, the system will verify the administrator’s/user’s login credentials. Following authorizations verification, the administrator/user can start the process.

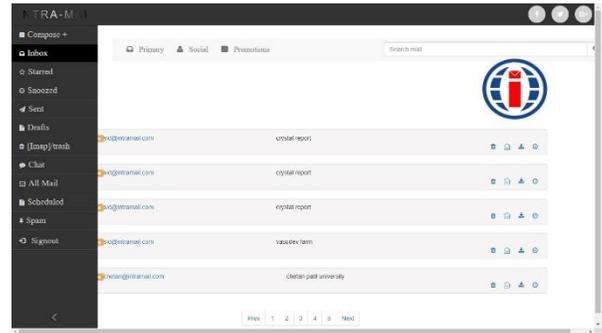


**User Registration** – This module contains information about user registration. Users can register themselves by providing their email address, name, password, and other details. They can sign in with their username and password after registering.

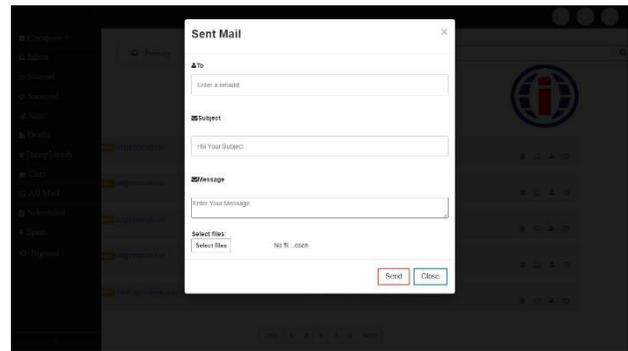


**Main Mail Page** - After the Main Login and Registration page, then we get redirected into the main mailing system page where we can see all the contents of Intranet Mailing System. Here you can send mails, attachments, chats to the specific user of your organization. And for sending and receiving mail the receiver also needs to install this software in their

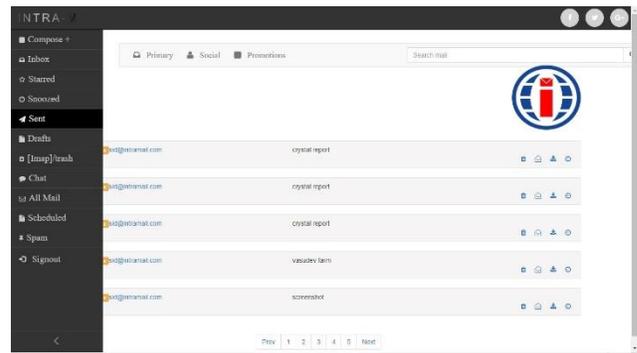
pc. After that he can send or receive mail.



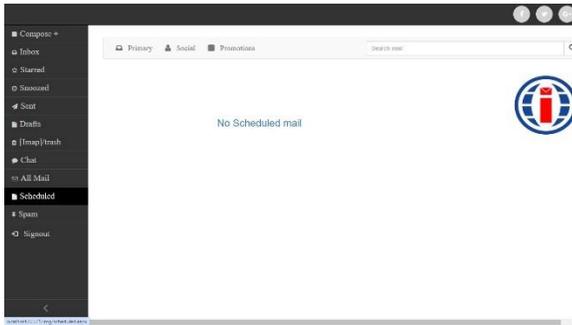
**Mail Sending/Compose** - In this module maintain the user can compose a mail where he can add the receiver’s mail id and send him the mail with or without attachments.



**Sent Mail Page**- Once the mail is sent, the sender can see that the mail is successfully sent to the receiver.

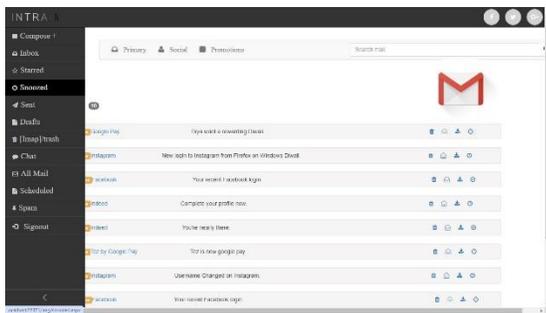


**Schedule Mail Page** – In this module the user can schedule a mail to send to another user. When the user or sender schedules the mail, the mail get sent to the receiver on the mentioned time.



**Snooze Mail** – The user can

Snooze the mail. Snoozing option gives him the relief from the notification sound of the mail.



### 3. CONCLUSIONS

In this Intranet mail system we have presented the design and implementation of a Web-based Intranet mail server management system. We have used and integrated TCP and Web technologies in developing our system. Though we have developed a management system for mail service only, our design and implementation architecture is general enough to be applied to manage any Intranet application service system within the organization so that the registered user can communicate easily without using Internet we have also provided the facility of attachment by using Java APIs. In future we can add some more new concepts and enhance the security of current application.

### FUTURE SCOPE

- ❖ **Security:** In this project the security is one of the important aspect. Here we can securely send and receive mail without any third party interference.
- ❖ **Can be used Offline:** Here you can create a desktop application of this project and also you can use it Offline through LAN Network.
- ❖ **Easy and Perfect :** Here you can send and receive mail securely and also you can send the mail to the specific person and only he can see it.

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## REFERENCES

1. Ginsburg, M. (2000, January). Intranet document management systems as knowledge ecologies. In System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on (pp. 10-pp). IEEE.
2. [2]. Xia, L. (2011, June). The design and implementation of distributed inventory management system based on the intranet architecture. In Information and Automation (ICIA), 2011 IEEE International Conference on (pp. 248-251). IEEE.
3. [3]. Turner, J., Jayaraman, S., & Zecheria, T. (2002). Management intranet: integrating Web-based network management applications. In IP Operations and Management, 2002 IEEE Workshop on (pp. 93-97). IEEE.
4. Rajaprabha, M. (2013). Self Acknowledgeable Intranet Mail System. International Journal of Engineering and Technology.