The Impact of Professional Instant Messenger in Academia

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ABSTRACT
Communication from one to another is the most useful and powerful factor now a days. There is a desperate need for a good and fast professional messenger, through which professional users can communicate with each other. In this paper we present Professional Instant Messenger (PIM) which is only for professional users. Saying professional means, professors, educational staff and other academic professionals. PIM will work only with institutional email address, and the users are allowed to register their account if and only they have educational email address. Once the registration is done, the users will be notified from system to confirm their registration. Once it is confirmed, they will be able to use PIM. By using PIM the security for professional user is high, because no any stranger user can register. In PIM professional user can exchange file by using Ftp, no needs to download social website software or browse this website, because PIM have own browser for social website Professional user can connect with account on the popular social website such as Twitter, Facebook, and Google+.

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1. Introduction
The communication between people is one of the important need from the beginning of human life on earth. The people use many ways to communicate between each other like books, fire, and messages. The message is one of the important way used by people to communicate, there are many ways to deliver message from one person to another person like carrier-pigeon, human, horse this way used in old centuries.

In the new centuries human need best ways to deliver message (high-speed, secure, low cost, shared many thing not only messages like video, picture etc.,, available to all people) which is come later in Instant Messenger (IM). The instant messenger (IM) is a software used to send message between people through the network, IM software use the same protocol in old message (letter) just the technologies take place of human.

[1]

In the old version of instant messenger, user can send/receive a text message and change style of the text like color, size, and font. In the new version of instant messenger, user can send a text message and share a file, picture, video, or many types of multimedia data. In some advanced instant messenger a user can communicate with friends via video calls and share locations. For use the instant messenger the user should create an account and create user name and password after that, the user can sign-in, invite a friend, make a group, add contacts, block contacts, send a message to a group-list, and read the history chat.

[1, 2]

Now a days most of people using IM for many purpose such as social relationship, fun, Political goals, educational purpose and business goals, in our paper we focus on educational purpose. Now there is many IM software for smart phone and PC.

Fig 1: Bar Chart Top 5 IM around the world [3]
2. Our Work

In this work, we present an efficient IM for professional user (Professors, educational staff, other academic professionals), Professional Instant Messenger (PIM) it is a messenger application used by professional users to communicate with each other inside academia community no any other user out from academia can register in this application. For ensure no any not professional user can register in this application, we used institutional email to register in this messenger such as (std@nu.edu.sa), when any user request to register in this application should be entered the institutional email then the system send register password to the institutional email for complete registration process if user enter correct password the he/she can complete registration process otherwise can’t register in this messenger.

![Sign In](image)

The PIM have own database and own server or we can use open source server to manage PIM software. By PIM user can add any other professional user and chat with him/her, exchange file by use File Transfer Protocol (FTP), video calling, voice calling. When user use PIM software it in safety area because there is no any user out of academia, if any threat or attacker we have close and limited number of user we can by simple auditing process discover actor.

2.1 Data Flow of Professional Instant Messenger Registration Process

In this data flow we try to describe how this messenger and how system can check if this is professional user or not.
When professional user want to login to the system it need to enter user name which is institutional email and password then the system check if there I any account with this institutional email and password he logged in, otherwise user can’t logged in to professional instant messenger main window.

3. Result and Discussion
The PIM is work efficiency and it solve our problem and it give us the general job of messenger with specific job and specific users, professional instant messenger have high security un professional user and high performance with specific tools for communicate between users.

4. Conclusion
In this paper we write about professional instant messenger which is special kind of instant messenger that available just for the educational members with institutional email address, with some process and techniques to check if this is professional user or not. By using PIM the professional user in safety area because no anybody out institution can register in this messenger. This messenger can changed to use by any other organization with any other special email address such as hospitals or company.

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