Active Chat Monitoring and Suspicious Detection over Internet

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Abstract - *With the increasing use of Instant Chat Messengers to share information, suspicious activities has also increased. There are many sources to share the information but instant chat messengers and social networking websites are the quick and easy means to share anything. Sometimes, even new stories are initially broken up on social media sites and further on chat messengers instead of any news channel and newspaper etc. Due to these technology advancements, some people are misusing these instant chat messengers to share suspicious activities and make plans to do something suspicious. This kind of chat is mainly available in textual format.*

With the advancement of internet technology and the change in the mode of communication, it is found that much first-hand news has been discussed in Internet forums well before they are reported in traditional mass media. Also, this communication channel provides an effective channel for illegal activities such as broadcasting of copyrighted movies, threatening messages and online gambling etc. Our proposed System will analyze online plain text sources from selected discussion forums and will classify the text into different groups and system will decide which post is legal and illegal.

1. INTRODUCTION

Chat refers to the process of communicating, interacting and/or exchanging messages over the Internet. It involves two or more individuals that communicate through a chat-enabled service or software. Chat may be delivered through text, verbal, communication. Chat is also known as chatting, online chat or Internet chat.

Terrorist activities communicate over application and chat programs over internet. It also uses these chat applications over the internet for getting their message to younger generation and making all of types terrorists. The chat monitor system is an important application that could allow for secure chats along with terrorism related chat detection that helps track down spread of terrorist networks and locate the activities using IP addresses. The internet chat application is a dedicated chat application for free internet chat as well as tracking down on spread of terrorism online. Communication provides effective areas for illegal activities such as threatening messages. This system we have produced called as Active Chat Monitoring & Suspicious Chat Detection over Internet which will tackle with these issues. Internet technology had been increasing more. The law looking for solutions to detect these discussion forums for all possible criminal activities and download suspected Postings as evidence for investigation. Active Chat Monitoring System which will tackle with this problem.

It has used a data mining algorithm to detect criminal activities, legal and illegal postings. In this system will use text data mining technique. Active Chat Monitoring System will let us help to analyze online plain text sources from selected discussion forums and will classify the text into groups and system will decide which post is legal and illegal accordingly to their points. It will help us to reduce and minimize many criminal activities which are held on social-site such as face book, Twitter, Tinder, etc.

1.1 Existing System

Online chat might allude to any sort of correspondence over the Internet that offers a continuous transmission of instant messages from sender to beneficiary. Chat messages are by and large short keeping in mind the end goal to empower different members to react rapidly. Along these lines, an inclination like a talked discussion is made, which recognizes chatting from other content based online correspondence structures, for example, Internet gatherings and email. Online chat might deliver point-to-point correspondences and in addition multicast interchanges from one sender to numerous collectors and voice and video chat, or might be a component of a web conferencing administration.

As information goes through server it constantly filters it for any suspicious watchwords. The customary examination of Internet chat room dialogs puts an asset trouble on the knowledge group due to the time required to screen a huge number of persistent chat sessions.

1.2 Proposed System

The proposed System will analyze online plain text sources from selected discussion forums and will classify the text into different groups and system will decide which post is legal and illegal. This system will ensures that the admin may not watch all the chat at a time, so in order to stop chatting illegally, the keywords are set by the admin as suspicious words which will be blocked or it cannot be able to view by the other person.

- The system to be developed here is a chat facility.
- It is a client-server system with centralized database server.

- There is two way communications between the client and the server.
- This chat application can be used for group discussion.
- It allows the user to send feedback to the admin.

2. SYSTEM BLOCK DIAGRAM

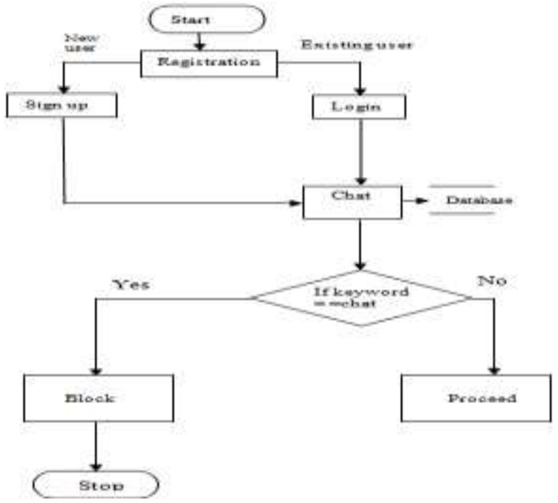

Fig 2.1 Data Processing Diagram

3. MODULES

- Administrators
- Keywords
- Block
- View

3.1 Module Description

Administrators

Admin is responsible to input suspicious keywords into the system to catch the illegal activity over the web.

Keywords

Keywords are which is set by the admin for chatting purpose. However, the keywords are set by the admin during a chat with the user while using those keywords an error message or an inappropriate message is been viewed to the user at another end.

Block

- Block module is used by the admin. This presents the deactivation of the account holder those are desired by the admin for various purposes.
- Once a user is blocked, then the user must again register their profile with the system in order to get back the privileges if this system.

View

View is where the admin can view all kinds of data that is been stored within the database.

4. UPSHOTS

Fig 4.1 keywords stored in database

Keywords are which is set by the admin for chatting purpose.

Fig 4.2 Blocking area of dissimilar keywords

If an activity is suspicious then, the user is blocked by the admin and it is highlighted in red color.

CONCLUSIONS

By this work, Active chat monitoring and suspicious chat detection over internet we conclude that using a chat for inappropriate conversation provide a secure access over internet without any further monitoring process. This could be further developed into two user communication with the help of server control.

Overall process of Active chat monitoring and suspicious chat detection over internet is done the process helps the people. This can be assured from the above analysis and works. If the given future enhancements are implemented in a correct manner then it can be extend the success of this project in the future. The Project titled Active chat monitoring and suspicious chat detection over internet is tested with sample data and found to be working well. The system has been developed for the users/people.

The database approach of developing the system has helped in reducing redundancy of data and improving the consistency of data in the system. This system is flexible, user friendly. The system satisfies the client requirements specified.

BIOGRAPHIES

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