Machine Login Monitoring and Tracking Security System

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Abstract — Machine Login Monitoring and Tracking Security System (MLMTSS) were used to monitor all illegal and malicious attempts of the system user. The system should be able to provide a complete log of text entered such as passwords, emails send, websites visited. The user's login time was send by SMS to the admin. This system tracks all the keystrokes, processes opened and all operations performed by the user and send it through e-mail. The system takes screenshots within the specified interval of time and sends it with the tracked information to the administrator's mail. It also runs invisibly so that the person who is using the computer doesn't even have to be aware that it is running.

Keywords — Machine Login Monitoring , Tracking Security System, Emails Send, Website Visited, Keystrokes, Password

I.   INTRODUCTION

The field of information technology was constantly engaged in making life simpler for everyone, no matter what the field. This was also followed for the field of security system. Machine Login Monitoring and Tracking Security System (MLMTSS) record each keystroke on the computer they are installed on. The system provides a complete log of text entered such as passwords, emails sent and websites visited. Then this log can be automatically sent over a remote connection without the person using the computer necessarily knowing about it. If anyone logged in the system, this software informs admin the same via SMS. The system is used to monitor all illegal attempts of the system user, and inform it to the administrator.

Machine Login Monitoring and Tracking Security System automatically take screenshots of the computer's desktop at specified intervals. It also runs invisibly so that the person who is attacking the computer doesn't even have to be aware that it is running. Some systems can be configured to send the logs discreetly over a remote connection, such as to the owner's email account. Another feature that it provides is the ability to record which programs are running on the computer and for how long. This system provides a number of advantages in various situations. In the workplace, it is used to monitor staff when they are using company computers. While this may seem intrusive, it is also an effective way of making sure that employees are using the company's resources as intended. Then in house it used for monitor the child.

II.   OVERVIEW

MLMTSS are programs which record each keystroke on the computer they installed on. A complete log of text entered such as passwords, emails sent and websites visited are provided. The log can be automatically sending over a remote connection which was hidden to the person using system. The system will track all the programs running in computer and send the screenshots and entered text with login time.

 In various situations the use of MLMTSS provides number of advantages. It was useful in the home, where they may be used to monitor the activities of children or teenagers online. Keeping children safe on the Internet is extremely important and in many cases parental control software is simply not enough by itself. Many of these parental controls are also easily circumvented by children who are more experienced with computers. Although this system will prevent the activity, it will let you know what your children are doing on the Internet. In company's it will use to monitor the employees which they use company resources effectively. Another popular use for this is to monitor a spouse, those who suspect their spouse of conducting inappropriate communications with members of the opposite sex over the Internet. MLMTSS was a surefire way to find out the truth. This software leaves no stone unturned, and it is one of the most effective solutions for computer surveillance currently available.

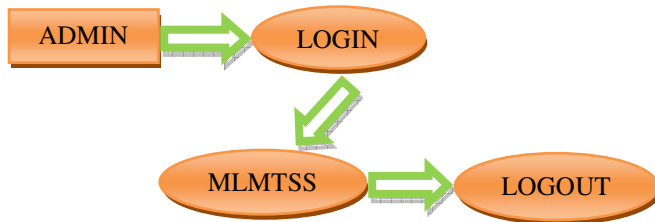Corresponding Author: *Aiswarya Raj*,
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Fig 1:- Block Diagram of System

III. EXISTING SYSTEM

Keylogger gives an idea about some of the benefits that anyone can get from the complete monitoring of the system network. It tracks all the keystrokes entered [4]. Keylogging programs commonly known as keyloggers. They are a type of malware that maliciously track user input from the keyboard in an attempt to retrieve personal and private information. Keystroke logging also known as keylogging [5]. It was the capture of typed characters/number. The data captured can include document content, passwords, user ID's and other potentially sensitive bits of information. The program logs all keystrokes along with the name of the application in which the keystrokes were to entered. It also notes the window captions and all URLs visited with a web browser. This allows you to review the all text written by your employ/user, whether it was created with a text editor, email client or an on-line text control on a web page. You can view all the pages visited by your employ/user and the passwords for all their on-line accounts. For easier monitoring, you can also turn on automatic screenshot capture.

IV. PROPOSED SYSTEM

The existing system has a problem it cannot able to provide the login time. In order to increase the security and for knowing the details of login time, we propose our new system that is machine login monitoring and tracking security system. It records each keystroke on the computer they are installed on. The keylogging program logs all keystrokes along with the name of the application in which the keystrokes were entered. Using keylogger we prevent the miscellaneous use of the system [1]. This provides a complete log of text entered such as passwords, emails sent and websites visited. If anyone logged in the system, this software informs admin regarding the same via SMS. For easier monitoring, you can also turn on automatic screenshot capture [1]. It automatically take screenshots of the computer's desktop at specified intervals.

Most MLMTSSs also run invisibly so that the person who is using the computer doesn't even have to be aware that it is running. Another feature that MLMTSSs provide is the ability to record which programs are running on the computer and for how long.

The using of MLMTSS provides a number of advantages in various situations. In workplace, MLMTSSs are often used to monitor staff when they are using company computers. While this may seem intrusive, it is also an effective way of making sure that employees are using the company's resources as intended. MLMTSSs are also useful in the home, where they may be used to monitor the activities of children or teenagers online. Keeping children safe on the Internet is extremely important and in many cases parental control software is simply not enough by itself.
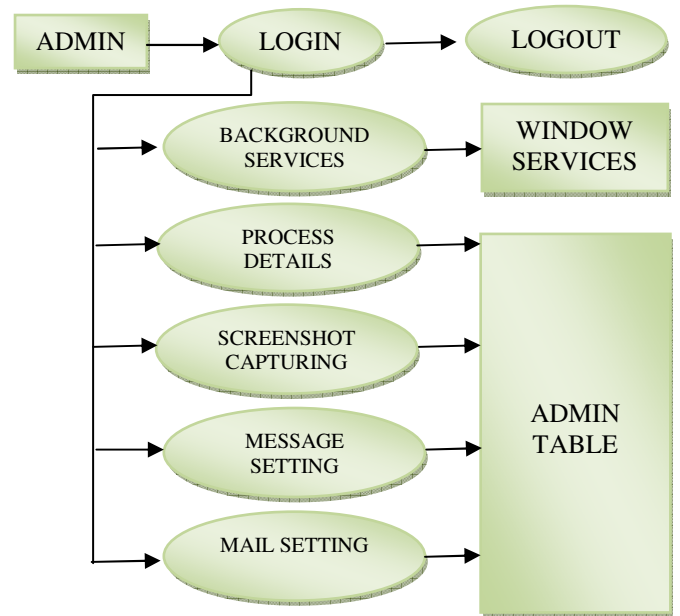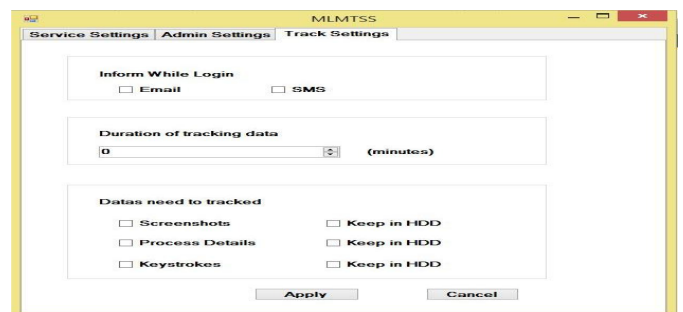

Fig 2 :- Working Of System

Fig 3:- Track Settings of System

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V.   AERA OF THE PROJECT

The project can be done in many areas. Every business organization can use the MLMTSS. In office this system is very helpful for observing the employees, when they are using the computers. For educational institutions the system will help to monitor the activities of students, when they using internet. Then other places like home, scientific research institutions also use this system.

VI.   HARDWARE AND SOFTWARE REQUIREMENTS

Table 1:- Hardware and Software Requirements

Memory	1 GB RAM
Processor	P4 and above
Operating System	Windows XP and above
Programming Language	C#
Platform	Visual Studio 2010 and Microsoft SQL 2008

VII.   CONCLUSION

Machine Login Monitoring and Tracking Security System can't only monitor every keystroke and action performed at a PC but also be used as legally binding evidence of wrong doing has been unveiled. Worries about cyber-crime and sabotage have prompted many employers to consider monitoring employees. They have joined forces to create a system which can monitor computer activity, store it and retrieve disputed files within minutes. It also provides supporting evidence to the role software based security systems can bring to the issue of enhanced computer security. Security is vitally important to the organization such as mission critical E-commerce sites, and then this is a small price to pay to remain in business. A single successful attack can literally put a site into financial bankruptcy.

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