

RAJIV GANDHI COLLEGE OF ENGINEERING & RESEARCH, NAGPUR

DEPARTMENT OF INFORMATION TECHNOLOGY



SYNOPSIS

Undetectable Keylogger using Python for Commercial Monitoring

B. E. (I. T. - 6th Semester) 2020-21

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SUBMITTED TO: -

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Statement of the problem:

User data monitoring is big problem for the large scale organizations , IT companies , schools and Colleges. Monitoring of a system or intervention involves the collection of routine data that measures progress toward achieving program objectives. It is used to track changes in program outputs and performance over time. It provides regular feedback and early indications of progress (or lack of progress).

Why a particular topic chosen/Motivation :

The term ‘keylogger’ itself is neutral, and the word describes the program’s function. It defines a keylogger as a software program designed to secretly monitor and log all keystrokes.

A keylogger is an insidious form of spyware. You enter sensitive data onto your keyboard, believing nobody is watching. In fact, keylogging software is hard at work logging everything that you type.

Overview of Project :

Keyloggers or keystroke loggers are software programs or hardware devices that track the activities (keys pressed) of a keyboard. Keyloggers are a form of spyware where users are unaware their actions are being tracked.

Keyloggers can be used for a variety of purposes; hackers may use them to maliciously gain access to your private information, while employers might use them to monitor employee activities. Some keyloggers can also capture your screen at random intervals; these are known as screen recorders.

Keylogger software typically stores your keystrokes in a small file, which is either accessed later or automatically emailed to the person monitoring your actions.

How it works-

At first, we Inserting Keylogger program files on the user system. Then the scripts will run the program anonymously and it records the keystrokes and record it and manage it with the timestamp and saving in the text file located in the Keylogger program files. And it happens in continuation as user uses the system.

This keylogger has some advanced features as it does not catch by any anti-virus, it works silently in the background without any interruption in users work. It records the log and manage it with timestamp and system on/off configuration.

Objective and Scope of the project:

- Parental control: parents can track what their children do on the Internet, and can opt to be notified if there are any attempts to access websites containing adult or otherwise inappropriate content;
- Jealous spouses or partners can use a keylogger to track the actions of their better half on the Internet if they suspect them of “virtual cheating”;
- Company security: tracking the use of computers for non-work-related purposes, or the use of workstations after hours;
- Company security: using keyloggers to track the input of key words and phrases associated with commercial information which could damage the company (materially or otherwise) if disclosed;
- Other security (e.g. law enforcement): using keylogger records to analyze and track incidents linked to the use of personal computers.

Hardware and Software Requirement:

Software Interface –

Python IDE (PyCharm or Visual Studio Code).

Python dependencies are having to installed (pynput) when running with IDE.

Hardware Interface- Computer

References:

CEH Modules

<https://www.kaspersky.co.in>

<https://www.learnpython.org> (for python lybraries)

<https://docs.python.org/3/library/>

<https://commandwindows.com>

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Group Information

Name of Topic : **Undetectable Keylogger using Python for Commercial Monitoring**

S. no	Name of Student	Roll Number	Average Percentage of (3rd , 4th , 5th) Semester	Result ATKT/AC
1	Shashank Pawsekar	78	71%	AC
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