# Venom Antivirus

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**Abstract:- People use computers for all kind of activities: online gaming, shopping, entertainment, emails, face book, study, research, etc. At the same time, the risk of infection by malicious programs in these computers is rising. The main issue is that general users don't understand what a virus is and how computers get infected. The main objective of the virus blocker system project is security of the managing the computer as well as mobile files. Our project aims at making the task of securing files easy from virus attacks. It blocks all viruses form existing system. This is the best way for securing our college computers rather than purchasing external antiviruses from market.. In the project we can secure data form viruses such as autorun, new folder, Trojan horse, logic bombs.. etc.**

*Keywords:- Malicious software ,Internet, Operating System.*

## I. INTRODUCTION

We're living in the age of technology. Computers are part of our lives. Antivirus software is designed to prevent computer infections by detecting malicious software, commonly called malicious software, on your computer and, when appropriate, removing the malicious software and disinfecting the computer. Malicious software, also referred to as samples in this book, can be classified into various kinds, namely, Trojans, viruses (infectors), rootkits, droppers, worms, and so on. We use them at home, school and work. Internet has spiked the usage of this technology since it is an open window for knowledge, entertainment, communication, e-business, etc.

This technology also expanded to smart phones and tablet. Unfortunately, these devices (computers and smart phones) are exposed to virus . Antivirus software is special security software that aims to give better protection than that offered by the underlying operating system (such as Windows or Mac OS X). In most cases, it is used as a preventive solution. However, when that fails, the AV software is used to disinfect the infected programs or to completely clean malicious software from the operating system. AV software uses various techniques to identify malicious software, which often self-protects and hides deep in an operating system. Advanced malicious software may use undocumented operating system functionality and obscure techniques in order to persist and avoid being detected.

## II. LITERATURE SURVEY

Over the past years antiviruses has been acted very widely held but fixed. Venom antivirus has been designed in such a way which gives dynamic approach to the users. Some features like quarantine mode, file security, backup ,internet security were not included previously Some antiviruses does not provide free subscription for users. Previously antivirus were too mainstream which gave a bounded approach to the user. Computer viruses are most critical area in computer science. All computer users in the world are suffering from this threat. Viruses reproduce themselves and spread through computer to computer as well as network to network. There are some antivirus software and some best practices to prevent from computer viruses. As well as this literature review contains the present situation of computer viruses, protection from computer viruses and how new antivirus software performs on computer viruses. Venom antivirus not only will identify and clean the computer virus, but it's also designed to fight off other kinds of threats such as phishing attacks, worms, Trojan horses, rootkits and etc.. Our study consisted of two detection stages. The first stage, quarantine file, starts when the malicious software enters the system and ends before its execution. In this stage, we quantified the AV software's effectiveness in preventing malicious software execution. The other stage, is block or delete file mode, this occurs when the software doesn't detect malicious software but performs some malicious activities. In this second stage, we recorded the software's responses and any consequences to the malicious software's execution based on the software's log reports.

## III. PROJECT METHODOLOGY

When Venom catches a file to analyze, first it goes in to a table of the known viruses in its definition database. While the sign are not always matched to the viruses, if the file is not evaluated as a virus using the sign, then Venom checks the file using the Heuristic method and tries to estimate if the file is going to perform malicious activities after executing or not. After passing this step, the file will be marked as clean and is permitted to be executed. However, immediately after the execution, the activities of the file are monitored and if there is any suspicious activity performed on the system (such as filling the RAM or doing especial modifications the system registry), the process will be isolated and terminated. To Implement the project we will be using Visual Studio 2010 for GUI and Microsoft server management as a database for the keywords of existing viruses. For the dynamic and user friendly GUI we will be using Metro UI

framework. The hardware requirement for our software are very basic which includes HDD/SDD 250GB,minimum i3 processor for smooth functionalities.
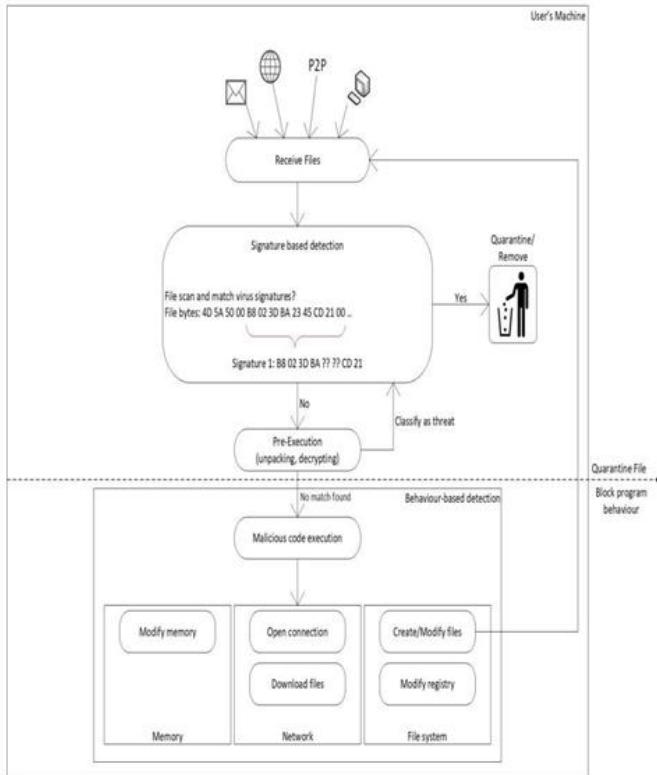
## IV. VISUAL ABSTRACT



Fig 1:- Block diagram of antivirus

## V. WORKPLAN

Using Metro UI framework, a GUI based windows application is coded. The viruses are preloaded in to the application database so if it is identified in future it can be deleted and the viruses in database are updated each interval of time.
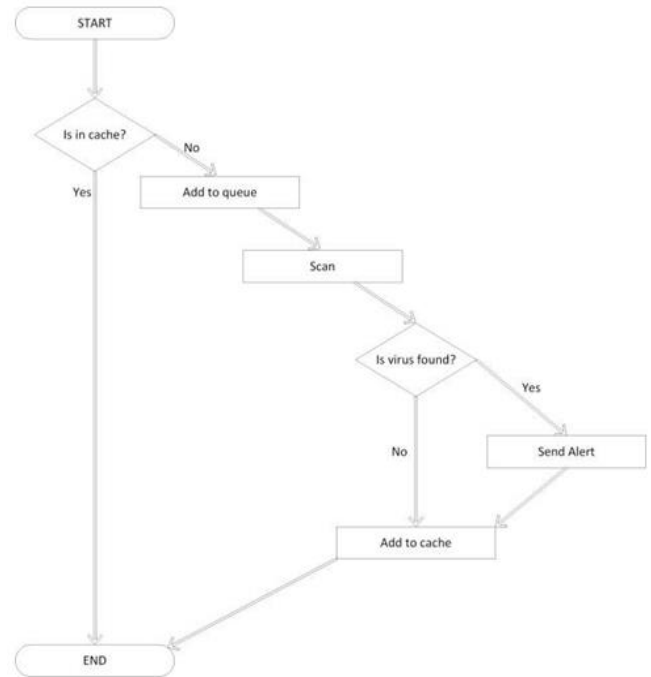
## VI. FLOWCHART



Fig 2:- Flow Chart of Anti-virus

This flowchart shows how venom antivirus check whether the virus is present in cache or nor and if the virus is not present then it is added to queue and is further scan and if it is harmful virus then its alert the user regarding it and then the user decides whether he/she wants to delete the file or not.

## VII. CONCLUSION

Hence ,we conclude that Taking into account the upgradation of technology of the venom antivirus, we come to a conclusion that the Venom Antivirus is most certainly a definite necessity for protecting the computer for harmful viruses , scope up with the advancement in technology and save the important data of the user.

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