

# Conventions of particular Antivirus Software in diverse class of users in selected Cities

Mr. Vishal Patel

Assistant Professor

St. Stephen Institute of Business Management & Technology, Anand

E Mail: [vpp3188@gmail.com](mailto:vpp3188@gmail.com) & Mobile: 9033472227

Dr. Pravin H. Bhathawala

Professor

Calorx Teachers University, Ahmedababd

E Mail: [pcb1010@yahoo.com](mailto:pcb1010@yahoo.com) & Mobile: 9825148680

## **Abstract:**

A computer virus is programming purposefully written to duplicate itself without the computer proprietor's consent and after that play out some other activity on any framework where it lives. Presently a days, infections are being composed for pretty much every figuring stage against virus security is, or ought to be, a vital piece of any Data Frameworks activity, be it individual or expert. There are number of computer virus are made and these computer virus are influenced in day today life. The enormous number of Hostile to virus programming accessible in the market and some are being propelled, every single one of them offers new includes for distinguishing and destroying infections and malware. Individuals as often as possible change their enemy of virus programming as per their enjoying and needs without assessing the presentation and abilities of the different enemy of virus programming accessible. This paper features the well known antivirus programming in various kinds of clients with sorts of antivirus programming in chosen Areas.

**Keywords:** Network, Virus, Security threats, Attack of Computer Virus, Performance Indicator, Freeware.

## **I. Introduction:**

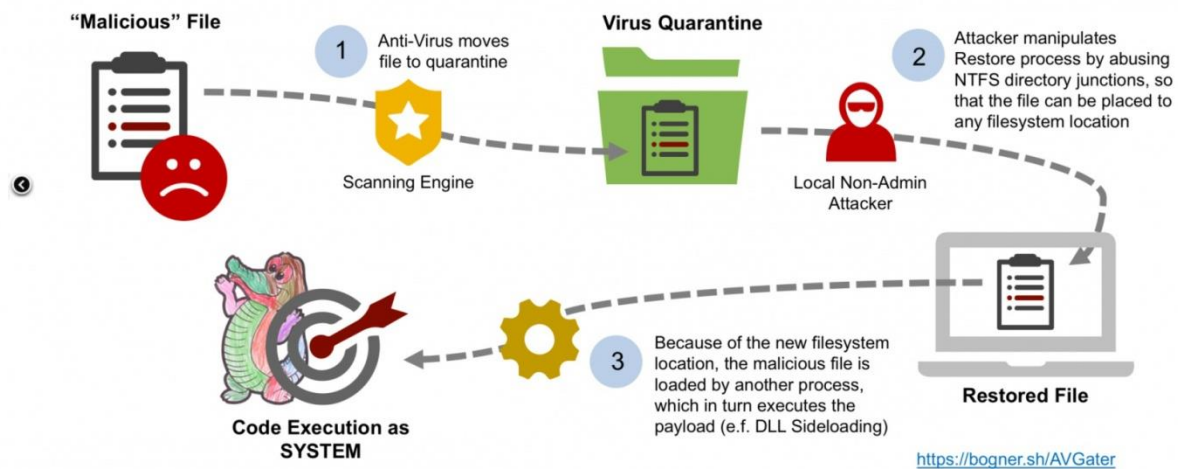
Now a day's computers square measure terribly essential a part of our life. The uses of laptop square measure raised day by day. A computer folks will share data from one computer to a different laptop with the assistance of device or media. within the current days there square measure numerous ways that or method for sharing data

as a result of folks will carry several gigabytes or computer memory unit of knowledge from one destination to a different destination. We tend to conjointly recognize history and that devices square measure accustomed exchange data in the world. There square measure many ways that a user will set about copying information from one laptop to a different laptop. In the process of exchanging the knowledge mistreatment communication media there'll be a tangle of attack of malware or worm. A worm may be a computer program that may unfold across computers and networks by creating copies of itself, typically while not the user's data. Viruses square measure capable of displaying different messages, denying all types of access, data thefts, changes in valuable information or files, deleting systems or any files, or it disable hardware. Therefore, an early detection and hindrance mechanism is extremely necessary for the security of the PC. Hostile to infection programming is a basic connection in generally speaking security chain, ensuring association's PCs from numerous sorts of infections, counting worms and Trojan ponies. Utilizing against infection programming is a decent method to identify infections and it is prudent to utilize hostile to infection programming on system working frameworks and workstations for satisfactory assurance. Against infection programming is explicitly composed to protect a framework against the dangers that malware presents. Against infection programming may work diversely and ranges from huge security bundles to little programs intended to deal with a particular infection. The enormous number of hostile to infection programming accessible in the market and some are being propelled, every last one of them offers new includes for recognizing and killing infections what's more, malware. In this manner individuals have a decision of various sorts of hostile to infection for example both as freeware Programming or authorized programming. Individuals regularly change their enemy of infection programming as indicated by their preferring and needs without assessing the presentation and abilities of the different enemy of infection programming accessible. Henceforth there is a need to find parameter for measuring performance of anti-virus software for finding good and also suitable for the specific needs of the users

## **II. Working of Antivirus Software:**

### #AVGater Summary

Getting Local Admin by Abusing the Anti-Virus Quarantine



The use of computer systems and Internet are growing day by day for one of kind purposes with more and greater users. At the equal time these computer systems and networks are facing number of troubles posed by malicious codes like virus, Trojan, etc. The issues which are shown in the above figure. Which are Symptoms, Propagation, Trigger Mechanism, Payload, Security, Operating algorithm, Virus types discussed in chapter III. These one-of-a-kind issues are analyzed through Anti-virus software program programs, which provide solutions for prevention and eradication of computer viruses.

### II Objectives:

program objective is to at the back of the viral protection applications is to tightly closed the system the usage of these 3 tasks; take preventive measure, detection of the malicious code, eradication.

### III. KEY PERFORMANCE INDICATOR OF ANTIVIRUS SOFTWARE

There are totally different key performance indicators known for activity the performance of Anti-virus software system which are as follow;

**A. Virus Definition Update** - Everyday as you surf the web or transfer files, your laptop is susceptible to spy ware, malware, viruses, Trojans and other threats designed to discourage laptop performance Anti-virus programs are protection tools designed to combat these threats as they arise.

**B. Anti-virus Upgrades** - Anti-virus programs also may additionally end up want to be upgraded. Even if you are fully up-to-date on your Anti-virus updates, you may want to hold the software program itself wholly updated to the latest version, so

enable your software to robotically update.

**C. On-Access Scanner** - The cause of the On-Access Scanner is to scan files and folders as they are being accessed and seize any infections. To that end, in order to feature properly, the scanner ought to constantly run in the background of your computer.

**D. On-Demand Scan** - This alternative enables you to scan just a specific folder or a couple of folders. The purpose of this choice is to scan specific drive, folder or archives specially.

**E. Scheduled Scanning** - It is viable to schedule a scan to be carried out robotically when the system restarts i.e. when it "boots", before the working system is active.

**F. Auto Clean Infected File Scanning** - This will scan any removable media that is connected to your computer e.g. USB flash drives, external challenging drives etc.

**G. Scanning of Compressed Files** - Virus Scan Engine can extract and scan documents in a couple of layers of compression. It supports a wide variety of decompression kinds and encoding formats.

**H. File sharing (P2P) defend** - Checks files downloaded using common file sharing (peer-to-peer) programs.

**I. Email guard** - Checks incoming and outgoing email messages and will end any messages containing a possible virus infection from being prevalent or sent.

**J. Heuristic evaluation** - It is essentially used to evaluate unknown and suspicious objects with the aid of simulating the object's behavior in a secure digital computer environment. This approves detection of malicious code not but described in the virus database.

**K. IM protect** - Checks files downloaded by instant messaging or "chat" programs.

**L. Script guard** - Detects malicious scripts and prevents them from being run. The script guard will detect and block no longer only malicious scripts coming from the web (remote threats) however also scripts coming from other sources, such as net pages saved to disk or in the browser cache and many others (local threats).

**M. Web shield** - Protects your laptop from viruses whilst the usage of the web (browsing, downloading files etc). It will become aware of and block acknowledged or potential threats coming from the web e.g. hacked net pages infected with (potential or actual) malicious scripts.

**N. Anti-virus Technical Support** - Our expert team of Anti-virus guide experts will make sure your Anti-virus software program is up to date and not only that they will

make certain you laptop is free of all viruses and malware and make certain your PC is secure. Techniques provides the excellent Anti-virus technical support services.

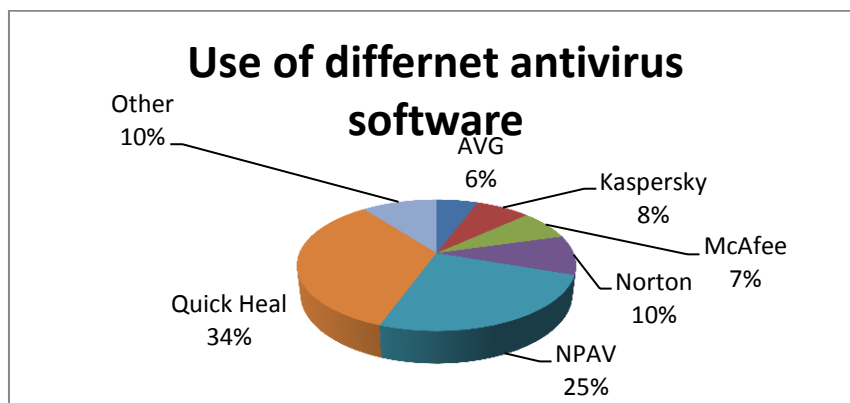
**O. Password Protected Setting** - On this screen you can specify a password which the consumer will be prompted to enter when making an attempt to run Anti-virus software, or when making an attempt to get right of entry to certain parts of the program.

**IV. POPULAR DIFFERENT TYPES OF ANTIVIRUS SOFTWARE**

The learn about pursuits at collecting statistics from the users of Antivirus software. Therefore; continuously all the humans using a laptop used an Anti-virus software. The complete users of computer systems incorporate the universe for the study. A study of information of users of Anti-virus software maintained by a variety of Anti-virus software program organizations and their vendors, it has published that there are extensively 9-10 types of users.

**Table No. 1: Sample size Anti-virus Software**

Anti-virus Name	total	percentage
AVG	32	5.73
Kaspersky	42	7.53
McAfee	41	7.35
Norton	54	9.68
NPAV	141	25.27
Quick Heal	190	34.05
Other	58	10.39
Grand Total	558	100



**Figure 1: Sample size Anti-virus Software**

Above desk gives information about cities wise Antivirus software users in various

cities of geographical scope viewed for this study. Researcher undertaken find out about of these users of Anti-virus software, hence solely registered person of Anti-virus software are viewed for determining pattern and complete 558 customers out of 2008 are selected as samples.

Sr. No	Anti Virus Software Users	Ahmedabad City		Vadodara City		Sample Units
		Total Units	Sample Units	Total Units	Sample Units	
1	Students	-	91	-	50	141
2	Internet Café	577	40	457	25	65
3	Professionals	453	25	354	15	40
4	Hotel and Travelers	687	9	785	9	18
5	Industry	876	15	724	12	27
6	Govt. Office	344	33	265	22	55
7	Educational Institutes	234	45	134	15	60
8	Coaching Class	778	29	656	20	49
9	Banks	765	64	604	39	103
		4714	351	3979	207	

**Table No.2: Sample size of Anti-virus Software Users**

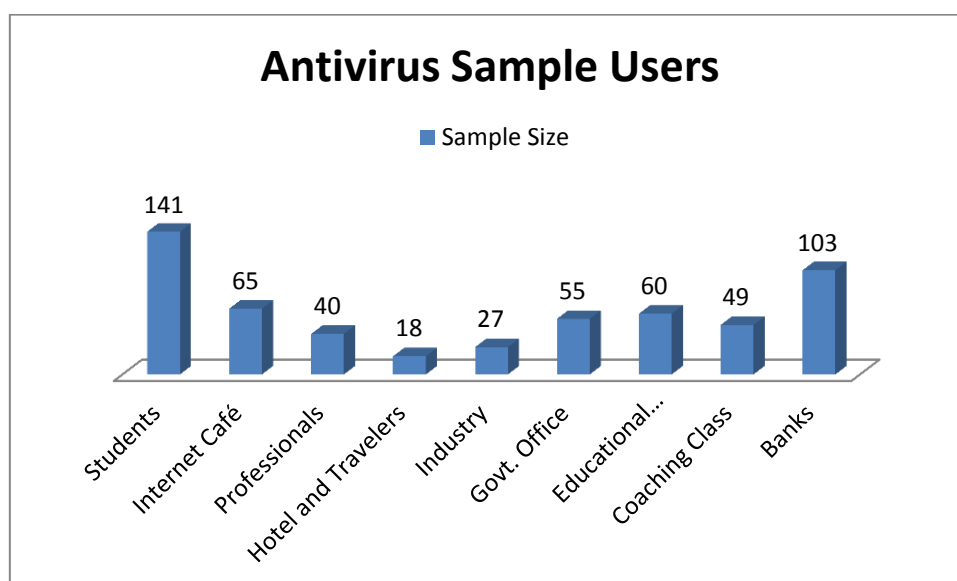
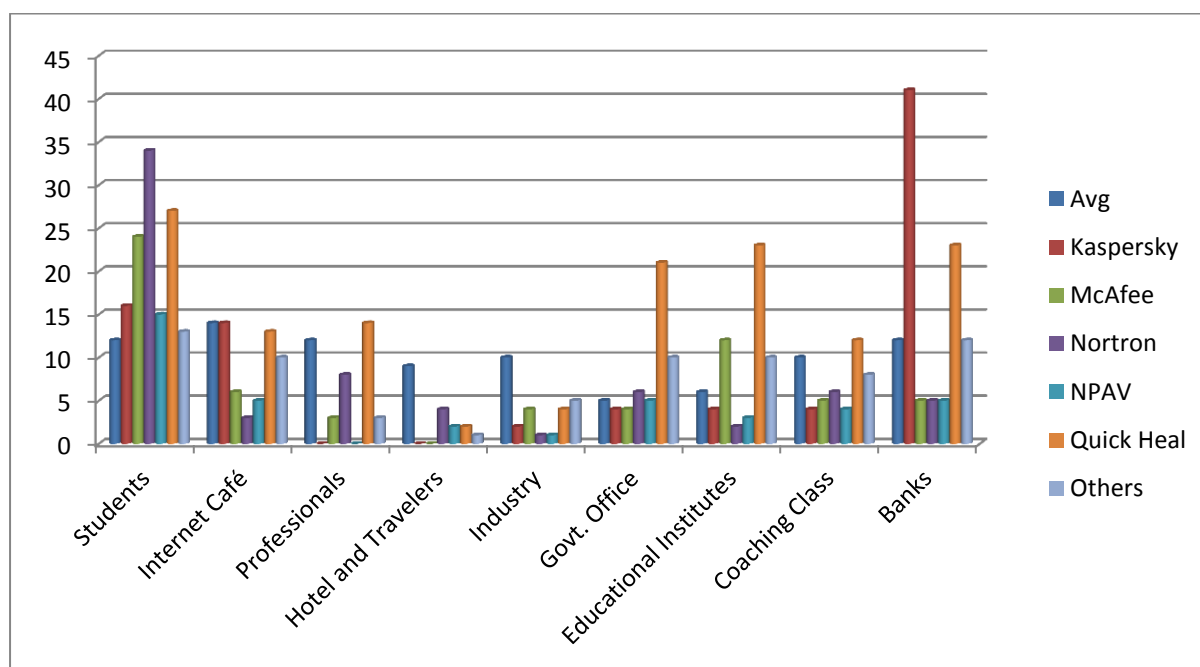


Figure.2: Sample size of Anti-virus Software Users

Category	Avg	Kaspersky	McAfee	Nortron	Npav	Quick Heal	Other	Total
Students	12	16	24	34	15	27	13	141
Internet Café	14	14	6	3	5	13	10	65
Professionals	12	0	3	8	0	14	3	40
Hotel and Travelers	9	0	0	4	2	2	1	18
Industry	10	2	4	1	1	4	5	27
Govt. Office	5	4	4	6	5	21	10	55
Educational Institutes	6	4	12	2	3	23	10	60
Coaching Class	10	4	5	6	4	12	8	49
Banks	12	41	5	5	5	23	12	103
<b>Total</b>	<b>90</b>	<b>85</b>	<b>63</b>	<b>69</b>	<b>40</b>	<b>139</b>	<b>72</b>	<b>558</b>

Table No.3:

Sample size of actually Anti-virus Software used by different Categories



**Figure 3:****Sample size of actually Anti-virus Software used by different Categories****V. CONCLUSION**

The antivirus software program objective is to at the back of the viral protection applications is to tightly closed the system the usage of these 3 tasks; take preventive measure, detection of the malicious code, eradication. There are six special manufacturers of antivirus software that are being used by the various categories of customers in the selected area. The study reveals that Avg and quick heal are the two most famous antivirus software brands being used by means of unique categories of users.

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