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# Information Technology: An Asset for Child Growth

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In today's Generation, Technology became the most important part of common people's lives. In every move and action we can see the role of the technology world. We became very dependent on technology for our daily work. When we talk about common people technology, then it is nothing but Information Technology. Information technology is mainly based on the Computer Science world. It is one of the best invention's humanity has ever made. It not only works in computers but when we talk about Information Technology then TV, Radio, Social Media, YouTube, Wireless, Email, Fax, Internet etc. also comes with it. The internet you can say, is the centralized division for all of them, it is the source of every info we need whether it is good or bad. It fulfills all our requirements for each individual in their daily routine. The effectiveness of this Technology is only depending on what purpose we use it for example, "A knife can be used in a good way to cut the vegetables and also it can be used to harm a person". It all just depends on how we use it or how we have learned to use it. So, in this article we will see how we can use Information Technology as a good purpose for a child's brain growth.

## Keywords

- Information
- Technology
- Computer
- Science
- Knowledge
- Generation

## What is Information Technology?



In simple terms, information Technology is the application of Technology to solve the problem of data sharing or for information broadcast. If a member belongs to the Information Technology world, no matter what position they have they will work with all other departments to solve the problems whether big or small.

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## Introduction

In today's time, Undoubtedly Information Technology became a great blessing for the world. We are right now living in the era of Information Technology and Computer Science. Information Technology is becoming so vast and huge you can see it has taken over each and every field. There is hardly any place where the Information technology has not grown. Information Technology and Computer is everywhere and in every field. If we see the world without Information technology then it will surely look void. Information Technology has created such a space and order in every field that it is like a part of the human life cycle. It has made human life so easy and wonderful.

Information Technology is the concept which is used with computers to store, retrieve, transfer or manipulate the data or information for a person's knowledge, it can be good or bad depending on its usage. Information Technology is mainly used in the field like entertainment, social media, google, mobile, and the biggest one internet. Information Technology is considered as the sub part of Information and Communication Technology. Information Technology is a System or you can say computer system which includes hardware, Software, Machine Codes and many others parts and equipment.

Mainly the younger generation is the majority of people who belong to this Technology, in a good way or bad we will see using a case study and poll result below before that first we will learn about Information Technology.

### Pillars of Information Technology:

- IT Governance:**

This is the first pillar of Information Technology which is made to ensure the smooth and effective run and also for alignment of organization’s needs using the well-defined processes and policies.

- IT Operations:**

This is the second pillar for Information Technology in that we take care of the daily work flow. In this we take care about the network maintenance, security testing, technical support and device management duties.

- Hardware and Infrastructure:**

This is the third and last pillar of Information Technology which mainly focuses on the visible components i.e. physical components of IT infrastructure. It also includes setup and maintenance of the IT equipment’s like internet equipment router and server, communication system and many distributed components like laptop, mobile and all.

### Importance of Information Technology:

If we talk about the importance of Information Technology in today’s world, then we can simply say we can’t see the current world without Information technology and its use. Without Information technology no organisation can stand. We rarely see any organisation who don’t use computers and Internet networks for their business purpose, if there then still they use cell phones for business calls and calling is also a part of Information Technology so they use Information Technology, So each and every organisation and individual is somehow associated with the Information Technology. This is the Importance of Information technology it became a part of human lives.

Let’s see some important problem solutions and services provided by Information Technology which defines their importance:

- Data Overload:**

With the increase in work and population the amount of data has also increased very rapidly, which is very difficult to process using conventional approach, so the Information Technology provides a very simple and sophisticated way to process these types of huge data.

- Mobile and Wireless usages:**

With the increase in customers and population, the number of employees and service providers has also increased very rapidly and all of them want to work remotely using wireless communication equipment like mobile which is effective and this service and network is provided by Information technology.

- Cloud Services:**

Information Technology solved one of the major problems of the workflow, the Data storage problem. In conventional approach physical equipment’s like hard drive, CDs

are used to store the data but with the rapid growth the amount of data is also increasing rapidly which is making it very difficult to store the data then came Cloud Store technology of Information technology which solved this problem.

- Bandwidth and Video hosting:**

Video communication approach became very popular with the change of time, but for smooth video conferencing we need high bandwidth and low latency network which problem is solved by Information Technology with the evolution of the world.

### Case Study cum Survey:

A survey was taken using the poll-maker tool, in which we collected the data from around 17-25 age persons regarding for what purpose the use of Information Technology.

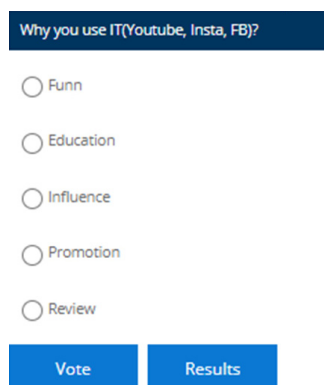


Fig 1: Survey Question

In the above figure of poll voting and its result, when we took the survey among 100+ people then we can

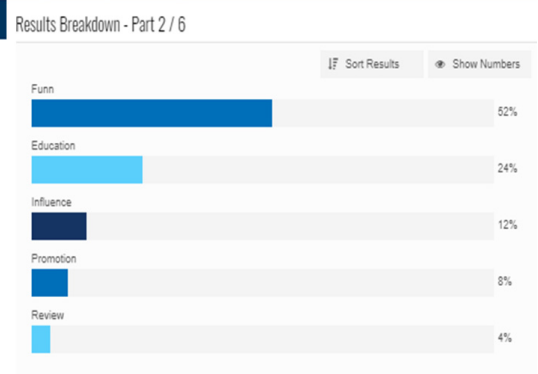


Fig 2: Survey Result

see that when we asked the common youth about why they use Information Technology Tools and applications

then majority of them answered it “For Fun” and only 24% of the whole population is using it for education and learning purpose. Which is our concern, that today’s youth is not using the technology for their betterment and for their growth purpose rather they use it for fun or some other purpose, actually the problem is in the beginning when they started using the technology then nobody has taught them “ how to use this technology for betterments and growth purpose”, We teach our kids discipline and ethics and we don’t teach them how to use these technologies.



If we had teched them this also then surely the outcome would be different. So, let’s see some solutions to tackle this problem and see how Information Technology can be used for a child’s growth from their initial learning stages.



**Effective Solution for growth of a child:**

Its all depend on the usage of anything which changes its outcome, In the same way are some effective ways to use some of the Information Technology Solutions:



• **YouTube:**

Rather than using YouTube for fun videos, if we teach our child in the initial stage to use it for the purpose like learning using the study channels and tutorials provided on it, then it would be very effective.

• **FB/Insta:**

Rather than using the social media for memes, influencers or gathering followers, if we teach our child to use it for the knowledge of current affairs and it will be very effective for his/her growth.

• **WhatsApp:**

Using WhatsApp just for fun and chatting is a waste of resources. Rather we should teach our child to use it for dynamic problem solving, to connect with long distance people, gather knowledge, and increase interpersonal skills which will help in its growth.

• **Video calling/Calling:**

Rather than using the calling or video calling just for connecting and fun, we can teach our child to use it for their interpersonal skills growth, for official purposes and for exploring the different regions.



Playing games just for fun and time pass is a waste of both time and resources. Rather we can play such types of games like puzzles which

make a child’s brain sharp and help him make complex and technical decisions fast.

• **Internet:**



Last but not the least when we talk about the internet then few things come in our mind like google search engine and the whole network of devices connected using IT. So, teaching a child to use the internet like google for exploring and finding the solutions and answers of our questions and problems will help make this application resourceful and beneficial.

**Disadvantages of IT**

• **Data Security:**

Advanced technology implies that huge measures of information can be gathered and put away. This can be private data concerning people or associations; it tends to be extremely hard to protect this information. Only a solitary break can mean huge measures of private data going under the control of crooks, fear-based oppressors, remote adversaries, or other censure substances.

• **Privacy concerns:**

It’s gotten a lot harder to have individual protection in the advanced world and that is on the perils of your own information being taken or sold. For example, everyone can take photographs and video, film on their cell phone, at that point post it on the web. Managers can look for individuals on the web-based life or web journals. Computerized cameras watch and record our developments in broad daylight places. Minor careless

activities would now be able to frequent a person forever when they're posted on the web. Controlling troublesome and now and then unthinkable.

**Addiction:**

Online networking PC games, informing, and dating sites would all be able to be addictive. Games need you to play with the goal that you will purchase the following adoption. Sites need you to incorporate with the goal that they can acquire promoting cash. Clients wind up burning through immense measures of time and draining cash for low return.

**Social Disconnect:**

There is an expanding inclination for individuals to mingle and impart by means of advanced gadgets

instead of through genuine contact. This can without much of a stretch lead to a feeling of separate and seclusion. People have developed more than a great many years to have genuine contact, removing that is a poorly conceived notion. Studies have recommended that the absence of genuine contact is causing wretchedness and different types of Dysfunctional behaviour in numerous individuals.

**Conclusion**

As we all know how rapidly the Technology is changing and with the change in technology the growth of mankind is also evolving and, in this evolution, process the one technology which is considered as the mother of all technologies i.e. has stood rigid,

all the growth and changes revolved around this Technology. In this article we have seen what actually is Information Technology and how its wrong usage takes youth in the wrong direction using a survey. We have also given.

Some solutions to tackle this problem so that the coming youth generation don't make the same mistake as we are doing because nobody taught us how to use this technology wisely for benefits, we have been taught about ethics and Discipline but not about the Technology. So, it's all in our hands how we use technology, I just request everyone to please don't use technology for bad purposes, it's a blessing to us to use it for good purposes and help in the growth of our civilization.



**Sara Shree** is a first year student. Pursuing Bachelor in Computer Application from Amity University (Noida). She is having a great leadership quality with multitasking skills. Serving as President of the Cultural club, she has spectacular insight to lead. She is having great interest in new and trending technologies. Blockchain, Big Data, Data Science, Machine Learning are some of the new technologies she recently learned about. She is a Food Blogger showcasing innovative Food ideas. Her mother is her inspiration as well as her role model. Quote of her life is "Action speaks louder than your words".

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**Annexure I**

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### Reviewers Comment

**Reviewer's Comment 1:** Information technology has led the world to humongous heights. Its importance has been made clear in this pandemic era.

**Reviewer's Comment 2:** The author has emphasized on the current scenario efficiently. Today, from primary education to surveys, exams and jobs have all found solace in the online forms.

**Reviewer's Comment 3:** With the growing IT fever, today we need to realize some boundaries as well. The author has explained it very well in the article. A boon can become bane if not employed carefully. The article is written very well, basic components, benefits and disadvantages of information technology is explained very well with a proper survey and problem statement. It is very significant in today's time.



### Editorial Excerpt

The article has 0% of plagiarism which is accepted percentage for publication the finding related to this manuscript on how Information technology work as an enabler in child growth. It has been earmarked finalized for publication under the category of "**Argument Based Credentials (ABC)**". It is an universal truth that IT are transforming societies and fueling the growth of the global economy, but question seems to be discussed in a Technology as an Enabler or a Disruptor. In today's COVID-19 world, the importance of effective virtual learning environments has significantly increased and this paper on IT impact on kids will be fruitful for learners and readers.

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### Disclaimer

All views expressed in this article are my own. References for relevant sections can be cited for more understanding. I, as an author have cited my own work along with content from other referenced sources in this particular article. All contents are provided in good faith and make no representation Or warranty of any kind regarding validity and completeness of the content.



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