Impact of Internet and Technology on Children Behavior: A Review

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Abstract
Nowadays, Internet and technology are an integral part of every human being. Our daily life is dependent on internet and computer. In this technology-driven world, every child is dependent on technology in one way or another. Most of children are using gadget with internet facility like mobile phone, tablets or ipods and many more nowadays. These gadgets are making the life easy and comfortable but their creativity and thought process are decreasing. Gradually, it impacts the physical and social behavior of child and have adverse effect on health too. Proper use of these gadget and technology under supervision of parents is productive and useful. There are many new technologies around us like the IOT, machine learning and many more, if children need, they can utilize these technologies and make a better future in the world. With children of all ages, they are using the internet on daily basis, are they learning or just using it to socialize with other friends? In developed countries, up to 70 to 80% of children aged between 12 and 18 are online. The internet is however very helpful in comparison to the others due to the platform it offers to enhance interaction with the technology.

Keywords
Internet, Technology, Children Intelligence, Socialization.

Introduction
The number of users connected to the Internet has grown exponentially. Children especially are trap in the clench of the Internet due to easily accessibility. There are many available things to entertain them self. [1] But these children of today are more social because of this readily available connection to the entire world? The two different traits we are talking about is Smart and Social. Since children are always on the mobile phone or the technology and using apps, they don’t prefer out much for any social or general activities. Children only socialize when they get to meet different people and sense their behavior and moreover learn different traits and behavior. Children are quaint observers and they observe elders going through their phones all day and hence they do the same. The purpose of this study was to investigate the effects of computers on young children and the new technology in the market which can affect the children, there are many technologies like the IOT devices, machine learning, artificial intelligence and many more. The information derived from this study can, with further research, be used to develop stronger and more efficient computer and technology programs for young children. Socialization plays an enormous role in a child’s life whether it is with peers or the family. Understanding the interprotomer effect upon the socialization aspects of a child when come to a contact with computer will help better prepare various organizations, schools, and families as computers are integrated into our society, in the research we get to know that there are many technologies in the market and children can invest more time using that technology and create a good product for the future use and become more smarter instead of disastrous of time.

Recent Technologies
The development of a prevalent computing system where digital objects and technology can be uniquely identified and capable to think and interact with other objects to collect data on the basis of which automated actions are taken, requires the need for a proper combination of latest and effective technologies which is only possible through an integration of different technologies which can make the objects to be identified and communicate with each other. In this content we discuss about the appropriate technologies that can help in the largescale development of IoT.

Voice User Interface (VUI)
The VUI is the digital assistant devices, like Alexa, Siri, and Google Assistant and many more. VUI or Voice User Interface is a technology that allows many users of computers, mobile phones or other devices to use voice as an input. Some common thing in VUI that users can utilize.[4]

a. Texting: The main functionality of VUI is to convert into text what we speak through our voice. It reduces the time and become more effective. Thus, if we want to chat with someone or even do a google search, this can all be done through voice controller. In fact, this is now possible with Google, as the input can be in the form of voice search and we can get the result very quickly it saves the human time and typing effort.
b. Turn (On/Off): Another Commands can be used for turning on and off via Bluetooth, Wifi, speakers or even other devices as it is used in many smart devices in smart homes.

c. Navigation: This navigation voice controller becomes very helpful when users are on the way. Voice helps to do both simultaneously searching for the location and giving the directions. Now GPS systems and Google Maps have already embedded this feature to guide users, in this way the user get his destination quickly and in short period of time which is more effective.

d. Alarms: Setting alarms or snoozing it off both can be done with your voice control or some new feature can be added in this it may be closing the eye it may stop.

**Focus on Security using Blockchain**

Blockchain is a distributed database that is updated in real time, easy to monitor and stored in decentralized location. The security level ensures that nobody could cover up an error by simply changing the database entry as everyone might be watching. Block chains are open for anyone in a transaction. What makes the blockchain remarkable is that it performs the functions like check-pointed transactions, distributed communication or auditable log of updates. It is not possible to run blockchain by any company, decision making is not required and data removal is also not possible. Hence, it is an uncertain tool that has been made possible by advances in cryptography, internet performance and computing power. Hacking will become more common in the coming years for the devices and the IoT network.[8]

In the upcoming years, industries will set the benefits of having blockchain technology embedded in all devices so that each and every device should be free from the hacker and also make compete for labels like “Blockchain Certified”. Blockchain technology has been used by many governmental institutions, entrepreneurs, consumers, and industrialists. Blockchain is one of the popular trends that will bring great distinction in the field of technology and promote its advanced application to build technical devices.

**Cloud Computing**

CC is an emerging and growing technology in IT industry that includes features like virtualization, power processing, storage management, sharing resources, distributed networks and connectivity. In this rapidly developing world Services of cloud are used in various application [9]. Cloud Computing is a method of providing computed resources to consumers through internet. Cloud computing is a way to store the information on the large scale and it can be used for the large development many of the iot device is totally dependent upon the cloud computing as it is more secure.

**Applications**

In our daily life there are many device and appliance which are already smart but unable to communicate to each other and making to communicate and share the information to each other we required a wide range of innovative applications. These emerging applications with some supreme capabilities would certainly improve the quality of our lives. There are many such applications are already in the market, e.g., Google Car which is an alternative to provide a self-driving car experience with real-time traffic, road conditions, weather and other information exchanges, all due to the concept of IoT. There may be a great appliance in the future better than this, which can totally change the human life but it is only possible due to having the latest technology.

1. **Smart Home**

IoT can provide a many solution for Home Automation with which we will be able to remotely control our appliances as per our needs. Smart home means that every object should be connected to the IoT with the help of internet so that it can become more comfortable to the human in their life. There will be proper intrusion detection system which will prevent thefts. The other thing can be added in our home is the gardening sensors which will help us to measure the light, humidity, temperature, moisture and other gardening vitals, and also make water to the plant as per required. [6]

2. **Smart Traffic System**

In our daily life, traffic is a major part of a society and therefore all the related problems must be properly addressed. The system should be there so that this can be improve. The traffic situation on the road can be obtained from objects using IoT technologies. For viewing such a great traffic system understanding of a proper system for automatic identification of vehicles and other traffic factors is very important for which we need IoT technologies instead of using any image processing methods. It can also provide a good traffic monitoring. It will provide features like reporting of traffic, accidents, less environmental pollution and many more. If there is a climate change then it will automatically show the diversion of the road or unexpected traffic jams due to which driving and walking routes will be optimized. The traffic lighting system can be modified using the weather adaptive to save the energy. The main issues of parking can be resolved by using the smart traffic system by everyone. [5]

3. **Smart Agriculture**

Smart agriculture is most important in the life of farmer which help the farmer to cut his crop in the better way and most effective way it will also monitor the soil nutrition, humidity etc. and also improve the green housing experience.
With the help of smart agriculture, it can also talk about the accurate watering and fertilization which will help to improving the water quality and saving the fertilizers respectively. [6]

**Conclusion**

We can conclude that the children can become more smarter as they can use the technology in their life, as there are many technologies in the world so using the existing technology the children can expand themselves very easily. With the unceasing expand of the emerging IoT technologies, the concept of Internet of Things will soon be relentlessly developing on a very large scale. There are many products of IoT which is used to grow or update a many lot, so this creates an opportunity for a young child to work on this technology and build a great emerging product. This emerging trope of networking will regulate every part of our lives ranging from the automated houses to smart health and environment monitoring by embedding intelligence into the objects around us. In this paper we discussed the future of technology in the life of a youngster and the vision of technology. Then we highlighted few of the related security threats. And finally, we discussed a number of applications resulting from the IoT that are expected to celerity us in our daily lives. Researches are already being carried out for its wide range adoption, however without addressing the challenges in its development and providing confidentiality of the privacy and security to the user. The deployment of IoT requires lots of efforts to tackle and nowadays solutions for its security and privacy threats.

**References**

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