

TECHNOLOGY DEVELOPMENTS: ACHIEVEMENTS AND FUTURE PROSPECTS

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Introduction

In this paper I will explain all things about technology and we have an explanation from technology. Also what is technology and what is the benefits of technology is humans' life. Then I will discuss about it with a few example, and what is the very useful technology and other things. Beside of these things, I will discuss about technology development with example and how AI assist humans in future. Position of technology in now and position of technology in the future, technology development way in different parts of knowledge and other things. I will talk about French revolution and its benefits for technology, and a few invention and discovering which caused technology be in this high situation and growth too much more.

Overview

Technology is always useful for humans into different parts and always is like a friend with humans. We have different kinds of tools which called a part of technology in society or education or medicine and industries and so other things. Now technology is a part of human life and people are so comfort with having it, then human society is always busy to develop technology to aim of achieving better knowlodge. We had technology from pervious century and we saw developments on it. In past for a few simple tools people called a technology but now for different devices and internet people call technology that help people.¹

¹ Banta, David. (2007)

What is Technology and Technology history

Technology is a Greek word and Technology word is divided into 2 parts. Techne and Logia, Techne means skills and logia means knowledge. According to this, Technology means using of skills and techniques according to knowledge for creating something or solving something. Technology is for solving human's problem and increasing human comfort. Humans are able to do everything fast and create new device that help humans into different parts. We have technology in medicine, education, industries, agriculture, society, products, research, communication, sciences and other parts. Every kinds of technology based on human knowledge and humans' skills according to research. Every tools or device which create by humans for a goal and it is not naturally in earth is called technology.²

History of technology earliest 1900 A.D is so complex. A lot of invention and research exist on that time. Industrial revolution from 1750 up to 1900 A.D were very important in technology history because a lot of invention occurred between 1750 up to 1900. Steam engine is one of the biggest invention and caused humans go into a new way on achieving new knowledge. The first steam machine invented in 1712 by Thomas and the James watt invented the first and new steam machine in 1765 and pave the way of improvement for technology.³

French revolution is not affect directly on technology development but it had social effect and economical effect which caused in 19th century technology develop too much more and act like a hidden helper for technology development. ⁴

² Carroll, La. (2017)

³ Derry, Trevor, Williams. (1960)

⁴ Thomas, Carlyle. (2019)

Origins of the Internet

In 1962 Licklider of MIT in August 1962 discussed about Galactic Network concept, he envisioned a worldwide connection which every computer has a connection with each other and every person have a quick access on it because of taking information in a site. ARPANET (Us department of defense advanced research network) for first time created internet network after 1960. Internet caused world change and affect directly in every part of technology. Research said development of technology after 1960 up to now is because of Internet and a lot of technologies related to internet. A lot of technologies after 1969 works with internet. Nowadays new invention and technology development work according to internet and it is an active and useful achievements of human after 1960.⁵

Internet is combination or 2 words, inter and network. Inter means Middle and network means a group of computer which has connection to each other. Internet means global network and work like a connection between few device or a group of computer. When a person wants to have access to a site or and information this called Galactic network. Inter is a very useful technology and in invention a lot of device researcher and scientist use it for making new invention or something else. Inter after 2000 years by helping ARPANET develop too much more and nowadays it is a part of human life and all technology works with it. We are always connected by internet to every area in earth.⁶

⁵ Leiner, Barry M, Cerf, Vinton G, Clark, David D, Kahn, Robert E, Kleinrock, Leonard, Lynch, Daniel C, Postel, Jon, Rovers, Larry G, Wolff, Stephen. (2000)

⁶ Leiner, et al. (2000)

Internet is very useful in every part of humans' life and day by day improve. We have internet usage into different parts. For example, in medicine, education, science, agriculture, mechanic, politic, military, research in different parts, sport, transportation and so other side. Internet usage is very high, specially a lot of people use internet by smart phones and computers and they are able to do a lot of things. Student and teachers use it for learning and teaching in schools, universities and knowledge side, doctors use it in medicine part in hospital. In government departments for doing something, in Scientific project area, in people usage and other side. Usage of internet day by day increase and it is so efficient for human life.⁷

Artificial Intelligence (AI)

Artificial Intelligence is one of the most invention of humans in 20th century. Artificial Intelligence is a kind of computer ability system which usually need humans' intelligence ability to do something. AI contain duty like: learning, taking promise, solving problems, diagnosis voice and video, processing language naturally. AI attempt computer and machine analysis and perform same to humans' intelligence. Overall, AI assist computer and machine to learn and analyze on their own for creating a new are thinking for humans' brain. AI is very good and important for humans and every year improve than pervious. AI is one of the biggest invention of humans and AI is divided into 3 parts. **Narrow AI, General AI, Super intelligent AI.** Every one of them works in a specially way and they have own ability.⁸

⁷ Leiner, et al. (2000)

⁸ John Mc Carthy. (2007)

Narrow AI: this is a very simple and useful part of AI which human use it in daily activities, in cars, diagnosis pictures and chat bots. This kind of AI only work in special area and use for giving information but not works in other works.

General AI: this kind of AI designed only for helping human in taking a decision and thinking, but until now using it for people is not open and General AI is on the research and development phase.

Super intelligent AI: this kind of AI is able to be better than humans in theory. Also it is on research and development phase.

Artificial intelligence according to usage and ability divided into another parts like: Machine learning, Deep learning, Natural language processing and other parts. AI has a lot of user and Chat-GPT is one the application on mobile which has a lot of user. Chat GPT is a new powerful language model that created by OpenAI. This is the new and good kind of free AI technology which helps people to ask questions and receive their answers for free. Chat GPT help people into different parts and it's a search engine and use most for asking questions and academic writing. One of the key features of Chat GPT is its ability to function as a search engine, users are able to ask something about a topic or taking information about a subject or nature or something else and they will receive their question quickly and fast. Also user some time wants to know about something Chat GPT provide best details and information for users.⁹

⁹ Aljanabi, Ghazi, Hussein Ali, Abed. (2023)

Now days using Chat GPT is too much more among different kinds of people in society. Students are the most users of Chat GPT. It has applications and software that install in phones and computers and provide free searching for every user. ALL data exists in OpenAI company and every year new information submit in Chat GPT for best experience. Chat GPT able to understand human languages and would answers questions logically with right answer. Every year new kind of Chat GPT release in markets for different kinds of consumers. Chat GPT is used for taking information on Education, health care, marketing, technology developments, culture, entertainment and so other things. Chat GPT impact into society and education part and comfort people into different parts of life and it has a lot of fun. Searching result show that from 2000 up 2019 using of chat bots increase and its very good for humans' improvement in AI technology.¹⁰

Electricity

It is one of the biggest technology which caused humans walk in a new part in knowledge and it was the first step which caused humans make different tools in technology. Electricity words first time discovered by William Gilbert and the first Volta Battery discovered by Alexander Volta and it was the source of electricity and after that the electricity usage started and other scientist work on it and develop it too much more for humans' life. All Technology development took a new face after discovering Electricity and society should be happy from scientist that works on it and we are living now in a comfortable century.¹¹

¹⁰ Adamopoulou, Moussiades. (2020)

¹¹ Forrester. (2016)

In every part of life, we are busy to use electricity and it has a lot of benefits for human. Computer and phones need electricity, industries and factories use electricity, internet networks and every devices work with electricity. We have usage of electricity in our houses for cooking for lamps and bells for cooking for washing something. Researcher use electricity for their laboratory and new invention. Doctors use electricity in medicine parts in hospital, Government use it for governmental department for communication and service for people. Transportation use it for carrying people, for communication use network from it. In school, universities and institution use technology use it for teaching and studying and always it is use useful for every tools and devices in humans' life.¹²

Technology Usage

Technology development had a lot of benefits for society and caused human live in a comfortable century and solve people problems in different parts. We use computers, phones, cars, internet, medicine tools, living tools, and so other technology everyday use as a part of human life. Technology's never bad for human and advantage of technology is more than bad effect of it in society. Technology divided into 2 parts. Hardware tools and software, both of them are so important and useful. Cars machine or computer and mobile board is a sample of hardware tools technology and windows and application are the software technologies.¹³ Robots are a new step of technology which made by humans for some goals and it is so beneficial in some parts instead of human. factories and industries use too much more from robot for making products.¹⁴

¹² Norford, Hatcher, Harris, Roturier, Yu. (1990)

¹³ Rosen, L Whaling, Carrier, Cheever, J.Rokkum. (2013)

¹⁴ Fu, Zheng, Anthony wong. (2021)

Conclusion

Technology exist from a few pervious century and in the past for simple tools that cause for comforting people call technology or anything or device which made by humans and is not naturally in earth is called technology. French revolution and After 1750 A.D new tools came in market of technology and caused day by day human and human knowledge develop from every site. Steam machine, Electricity, Internet are the very important technologies which caused we are living in a comfortable century. Beside of this in this century one of the biggest and important technology is Artificial Intelligence AI. In the future AI will have a lot of development in world and caused we will land on a new stage of knowledge. We have a very huge usage of technology in our daily live for different purpose and goals. Scientist and researcher always are busy to find a new way which change human position in world.

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