WEL COME

ARTIFICIAL INTELLIGENCE

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What is Artificial Intelligence ?

- In todays world, technology is growing very fast, and we are getting in touch with different new technologies day by day.

Here, one of the booming technologies of computer science is Artificial Intelligence which is

ready to create a new revolution in the world by making intelligent machines.The Artificial

Intelligence is now all around us. It is currently working with a variety of subfields, ranging

from general to specific, such as self-driving cars, playing chess, proving theorems, playing

music, Painting, etc.

▶ Artificial Intelligence is composed of two words Artificial and Intelligence, where Artificial

defines ''man-made''and intelligence defines thinking power, hence AI means "a man-made thinking power.''

So, we can define AI as:

 It is a branch of computer science by which we can create intelligent machines which can

behave like a human, think like humans, and able to make decisions.

History of Artificial Intelligence

- Artificial Intelligence is not a new word and not a new technology for researchers.

  This technology is much older than you would imagine.

  Year 1943: The first work which is now recognized as AI was done by Warren
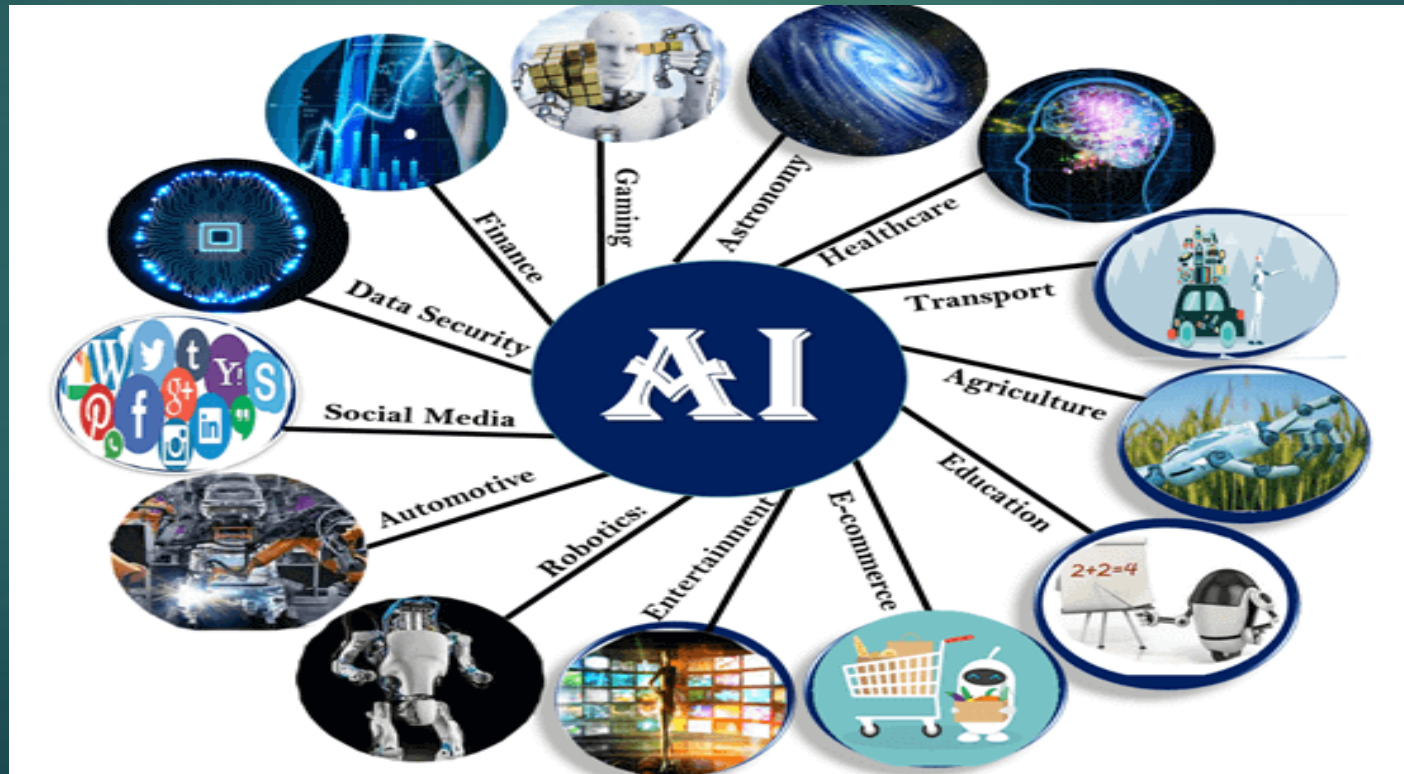
McCulloch and Walter pits in 1943. They proposed a model of artificial neurons.

Year 1949: Donald Hebb demonstrated an updating rule for modifying the connection strength between neurons. His rule is now called Hebbian learning.

- **Year 1955:** An Allen Newell and Herbert created the first artificial intelligence program Which was named as Logic Theorist. This program had proved 38 of 52 Mathematics theorems,

- Year 1956: The word Artificial Intelligence first adopted by American Computer scientist John McCarthy at the Dartmouth Conference. For the first time.

Application of AI

▶ Artificial Intelligence has various applications in today's society. It is becoming essential for today's time because it can solve complex problems with an efficient way in multiple industries, such as Healthcare, entertainment, finance, education, etc. AI is making our daily life more comfortable and fast.

1. **AI in Gaming**

AI can be used for gaming purpose. The AI machines can play strategic games like chess, where the machine needs to think of a large number of possible places.

2. **AI in Finance**

AI and finance industries are the best matches for each other. The finance industry is implementing automation, chatbot, adaptive intelligence, algorithm trading, and machine learning into financial processes.

3. **AI in Social Media**

Social Media sites such as Facebook, Twitter, and Snapchat contain billions of user profiles, which need to be stored and managed in a very efficient way. AI can organize and manage massive amounts of data. AI can analyze lots of data to identify the latest trends, hashtag, and requirement of different users.

4. **AI in Travel & Transport**

AI is becoming highly demanding for travel industries. AI is capable of doing various travel related works such as from making travel arrangement to suggesting the hotels, flights,

and best routes to the customers. Travel industries are using AI-powered chatbots which can make human-like interaction with customers for better and fast response.

5.AI in Robotics:

•Artificial Intelligence has a remarkable role in Robotics. Usually, general robots are programmed such that they can perform some repetitive task, but with the help of AI, we can create intelligent robots which can perform tasks with their own experiences without pre-programmed.

.6. AI in Entertainment

•We are currently using some AI based applications in our daily life with some entertainment services such as Netflix or Amazon. With the help of ML/AI algorithms, these services show the recommendations for programs or shows.

7.AI in Agriculture

•Agriculture is an area which requires various resources, labor, money, and time for best result. Now a day's agriculture is becoming digital, and AI is emerging in this field. Agriculture is applying AI as agriculture robotics, solid and crop monitoring, predictive analysis. AI in agriculture can be very helpful for farmers.

- **Advantage of the AI:**

- In our daily needs, a smartphone also becomes the 4th necessity for the human along with dress, food & shelter.

- If you are using a smartphone, it indirectly means that you are enjoying the AI by knowingly or unknowingly

- Using machines, we can also expect the same kind of results irrespective of timings, season and etc., those we can't expect from human beings.

- One of the great advantages of Artificial Intelligence is utilized in the field of medicine. We can identify the numerous numbers of medical applications which rely on AI.
- Machines can think much faster than humans and can perform multi-tasking to obtain the best results.

- The current medical industry has the popular application of artificial intelligence is Radiosurgery. It helps us to operate the tumors without damaging the unaffected surrounding tissues.

Disadvantage of AI

The ability to create a machine that can simulate human intelligence is no small feat. It requires plenty of time and resources and can cost a huge deal of money. AI also needs to operate on the latest hardware and software to stay updated and meet the latest requirements, thus making it quite costly.

A big disadvantage of AI is that it cannot learn to think outside the box. Perhaps one of the biggest disadvantages of artificial intelligence is that AI is slowly replacing a number of repetitive tasks with bots. The reduction in the need for human interference has resulted in the death of many job opportunities.

conclusion

In the above discussion, we have seen some of the major advantage and disadvantages of AI implementation and also seen many application of the Artificial Intelligence ,History of Artificial Intelligence and in the deep about the Artificial Intelligence

So, it can be concluded that like any other invention AI also comes with its own set of problems.