

Positive Aspects of Artificial Intelligence

Every day, we witness new developments in every aspect of our lives. There are many innovations that shape our habits and future in many sectors, from politics to economy. Thanks to technology, artificial intelligence and the internet of things (IoT), we can easily reach many points that we could not reach before. Technology is directly in our lives, from the research we do on the internet to the goods delivered to our door with a single click. With the help of artificial intelligence, we can more easily handle all the actions we need to complete and save time to complete our other responsibilities.

1- Improving customer experience

There is a need to create a strategy plan to improve customer experience in business with artificial intelligence. In order to understand customers easily and quickly and implement the best strategy, it is necessary to analyze what artificial intelligence can do. Thanks to the artificial intelligence mechanisms they will use, companies can develop appropriate tactics and strengthen their positions and profiles in their business.

2- Cognitive functions, problem solving and better level algorithms

In terms of computer science and engineering, algorithms and data science play a very important role. Thanks to this, computer scientists can create a wide variety of algorithms that help solve complex problems and operations. The most important examples of these are Machine Learning and Deep Learning.

3-Change in agriculture

According to the Food and Agriculture Organization of the United Nations (FAO), the world faces many problems that need to be solved and the world population is expected to increase from 7.7 billion to 10 billion by 2050

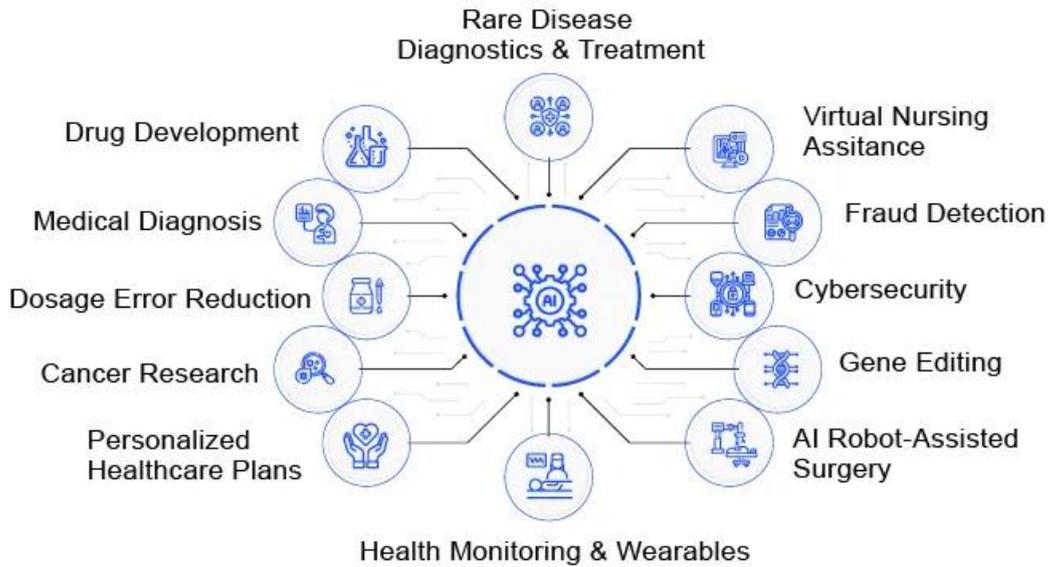
(http://www.fao.org/fileadmin/templates/wsfs/docs/expert_paper/How_to_Feed_the_World_in_2050.pdf)

At this point, the fact that artificial intelligence will affect the transformation in agriculture is also important for the future of our world and lands. We observe the rise of artificial intelligence in all sectors, from healthcare to the automotive industry.

4-Health Service

Artificial intelligence in healthcare is used to decipher complex medical data, using advanced technology it can prove a patient's risk of infection. In this way, we can also see innovations that eliminate or replace old treatments. Artificial intelligence offers significant support to scientists and healthcare professionals by accelerating data analysis and discovery processes in these areas.

Applications of AI in Healthcare



5-Creating new opportunities as a profession

Considering that every issue developing in the artificial intelligence and software industry has a social reflection, the need for the number of people working in this field will be even greater. This could also be a good step for the future of our social life and education sector.

- Data scientists and analysts
- Artificial intelligence engineers
- Robotics engineers
- AI ethicists
- AI marketers
- AI trainers and consultants

6- Improved Space Research

Adopting the use of artificial intelligence while conducting space research can be a good solution to make discoveries with advanced technological machines and programs and increase efficiency in studies. e.g.:

Landing in unfamiliar terrain such as asteroids or distant planets poses significant challenges. AI-assisted landing systems can analyze the landing zone in real time, adjust for terrain anomalies, and ensure safe and precise landings. Before human feet tread into new cosmic regions, robot explorers are paving the way. Equipped with artificial intelligence, these robots can navigate difficult terrain, take vital measurements, and even conduct preliminary research independently and send invaluable data back to Earth. Unexpected challenges arise in the unpredictable world of space. AI-powered systems onboard the spacecraft can

troubleshoot problems in real time, provide solutions, and even apply fixes independently, ensuring mission continuity and safety.



7-Criminal and Justice System

Artificial intelligence can be used to predict crime. Even though some researchers say we should fear AI in the justice and judicial system, AI could improve our social well-being “in terms of criminal matters.” The algorithms to be used here can function to support the rule of law. We can also see a system of judgment stripped of emotional and subjective thinking. This can lead to greater efficiency.

Assoc. Dr. Yeter Tabur: “It should be taken into consideration that artificial intelligence can reduce time loss and save time, especially for lawyers, in complex situations. It would be a big mistake to treat artificial intelligence as just a technological development. "Artificial intelligence studies are not limited to computer science alone, on the contrary, these studies should include social science fields such as law, psychology and international relations"”

8-Security

The security of Artificial Intelligence (AI) systems depends on factors such as the system's design, implementation, management, and users' behavior. The following steps may be important for ensuring the security of AI systems:

- **Safe design:** The design of AI systems should be done with security as a top priority. During the system design process, potential threats and vulnerabilities should be considered.
- **Up-to-date software and hardware:** The software and hardware of AI systems should be updated periodically and remain current. This makes it easier to make the system resilient and secure against current threats.
- **Authorization and firewall :** Access to AI systems should be controlled using secure authorization mechanisms. Additionally, firewalls can be used between systems.
- **User training:** The security of AI systems also depends on the knowledge and behavior of the people using the system. Training should be provided to help users adopt the correct knowledge and behaviors to ensure security.

- **Tests performed:** The security of AI systems should be constantly tested. This can help discover and fix vulnerabilities that exist or have occurred in the system. These steps may be important to ensure the security of AI systems.



9-The impact of AI on language learning

AI-powered language learning platforms analyze the user's strengths, weaknesses, learning pace, and preferences to offer a personalized learning path. This approach increases engagement and optimizes learning outcomes and goals. Such apps and programs allow language learners to access lessons, exercises, and tutorials anywhere, anytime, eliminating barriers and offering flexibility to students around the world. They can help and support students with additional needs, making learning much less of a barrier.

10-Creating AI-Driven Content (Entertainment)

The magic of artificial intelligence in entertainment is most vividly evident in the field of content creation. Far from being confined to the backrooms of tech companies, the creative prowess of AI is front and center; revolutionizing the way stories are told, music is composed, and games are developed.



