A Significance of Artificial Intelligence in overall Development of Human in the Digital Era

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Abstract:

With continuous spreading of World Wide Web, human life is transforming towards global Digital Era, and there is explosion of information and is growing in wide range. In this research article researcher is trying to explain the different phases of humankind which is going through the particular circumstances as need of time. 21st century concept of Artificial Intelligence is introduced and now it is became most significant part of our daily routine Life. Though we are not aware about some scientific concepts of Modern Technology but knowingly or unknowingly we are following those applications in every single second. This article will first scrutinize the Artificial Intelligence concept, its applications & discuss its importance in overall development of Humankind. In short, we can say that artificial intelligence seems to be the future and first hand tool of the Digital world. Experts believe that it will soon become a part of human life, Due to this technology it will completely change the way we look at the world. With this Modern technology, the future looks interesting and exciting.

Keywords: Artificial Intelligence, Human Intelligence, Artificial Neural Network

Introduction:

'Intelligence' is the only word that distinguishes human beings from other living beings in the entire universe. Humans have been able to conquer the world only on the strength of intelligence, intellectual ability, predictive ability, reasoning and analysis. Now man-made computers and robots with 'artificial intelligence' are competing with humans. AI technology can be used to enhance and assist human decision-making and problem-solving, leading to greater efficiency and innovation. In the presented component, we are going to learn about the concept, important role and Applications of artificial Intelligence for the development of humankind in the Digital Era and how it impacts on educational sector. As this technology evolves, there is potential for new and innovative applications in areas such as healthcare, education and transportation. The human kind living in the 21 century did not have to work as hard as their fore fathers in previous times because they have new machines to work for them. Artificial Intelligence becomes "truly abundant," with massive potential to positively impact all aspects of life, from industry to employment to healthcare and even security.

Artificial Intelligence: Concept

Basically Artificial Intelligence is made up of two words Artificial and Intelligence, where Artificial means "man-made," and intelligence defines "thinking power", hence Artificial Intelligence is define "a man-made thinking power. In the Digital Era, Explosion of information is growing in wide range continuously and we are getting in touch with different new technologies as per time. Artificial Intelligence is one of the enthralling and universal fields of Computer science which has a great scope in future. Artificial Intelligence holds a tendency to cause a machine to work as a human. The study of computer systems that attempt to model and apply the intellect of the human mind is Artificial Intelligence. Scientifically Artificial Intelligence 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. It is the imitation of human intelligence processes by machines, especially computer systems.

Significance of Artificial Intelligence

Artificial intelligence was implanted in machinery using artificial intelligence. This gave machines the power to think and make their own decisions like humans. When we are working with a laptop or computer, whatever commands we give to the computer, our computer works. But through artificial intelligence, the machine makes decisions on its own. According to your intelligence, the command creates what and how to do the work next.

Applications of Artificial Intelligence

Artificial intelligence is a technology that is man-made. In short, this means that we can give a machine the ability to think using artificial intelligence created by humans. Artificial Intelligence was invented by John McCarthy in 1956. Also, with time, the demand for this technology started increasing. Artificial intelligence is being used in all fields even in present times. In the future, Artificial Intelligence will become an integral part of every human life. Artificial Intelligence used in Google Maps. Due to which traveling has now become extremely convenient for everyone. Cruise is also the first company to offer

robo taxi services to people in big cities using AI. Many examples can be given in the case of artificial intelligence.

Currently, many big and popular companies are using artificial intelligence technology. They are making their company stronger by using this technology to their advantage.

Artificial intelligence research centres are available all over the world. New experiments are being done there. Also there are many institutes where education about artificial intelligence is imparted. Many educational institutions are now realizing the importance of outcome based learning tools. Therefore, the higher education system has gradually started to come out of the fund of traditional education.

Human Intelligence

Memory can be called the information editing system of the brain. It encodes information, stores it and reuses it when needed. Memory is important for knowledges. This system functions in two ways, manifest and implicit, and includes three types of memory: sensory, short-term and long-term. Sensory memory stores information from the senses for a very short period of time (one second or less). This memory can be visual, auditory and tactile. An example of sensory memory is remembering what an object looks like after observing it for just a second. The encoding of such information for overt or covert action, as well as the recycling of information already stored in long-term memory, is done by working memory. Short-term memory has a limited capacity and allows us to remember things from a few seconds to a minute.

Ability of thinking new ideas from resource knowledge is sign of humankind. Basically it is considered that human brain is more powerful than other animals. When thinking level of brain increases step by step it can be helpful for human's development and it is the criteria of acceptance of a new era that enhances the quality of thinking as well as level of growing towards information literacy. Sometimes there are various branches opens the opportunities to create awareness regarding concepts which are introduced by technology, and the humans are totally incompliance with them by following those philosophies.

Artificial Neural Network

Artificial Neural Network is a development of neuron structure similar to the human brains. It also has interconnection in between two nodes. They functionally works as brain of machines & computerized systems. Artificial Intelligence technology called machine learning today, is great at helping for taking good photos, transforming languages, identifying our friends on Facebook, delivering search results, screening out spam and many other chores. It frequently uses an approach called neural networks that works something like a human brain, not a sequence of traditional computing.

Development of Humans through Artificial Intelligence:

Basically we thought Is Artificial Intelligence really necessary in human culture? If humankind is satisfied with a natural way of living without excessive desires to overcome the order of nature, it is not. History tells us that human is always looking for something faster, easier, more effective, and convenient to finish the task they work on; consequently, the pressure for further development motivates humankind to look for a new and better way of doing things. The invention to create new things becomes the motivation of human progress. We enjoy a much easier and more relaxed life today all because of the influence of technology. The human society has been using the tools since the beginning of cultivation, and human progress depends on it.

Artificial intelligence: New challenge for the educational sector

There has been tremendous progress in the field of artificial intelligence and the computer has now started giving very accurate answers to any academic and book subject. So far we have been calling a person who has read more than four books highly educated. Reciting such books and memorizing them and being able to answer the questions correctly as given in the book, we have come to consider intelligence. But now day by day it will be difficult for us to do job / business only on oral knowledge. In order to survive and fight artificial intelligence, we need to make a big change in education. For students who are studying, and especially those who are still in school age, the education we add to them can enhance their professional usefulness in this era.

To face the new challenges posed by artificial intelligence, we need to make some fundamental changes in the prevailing education system. In this, by identifying the inherent qualities and mental inclinations of the students, then innovation, real world problem solving, creative and design production, practical knowledge, hands-on skills in the appropriate subject, business skills, life skills, experimental knowledge, modern science and technology. If we want to survive the challenge of artificial intelligence, we need to focus less on mere recitation and printed Q&A. Information in any subject in the field of education should be to sensitize the student but its assessment should be based on the above mentioned skills.

Conclusion:

Artificial Intelligence is not a term but a very powerful change in a rapidly changing the world. That is, the concrete change that we see as some progress in the early and recent times is artificial intelligence. In the Digital Era if there is a conception that is the most popular, it is an artificial intelligence. At present, if there are faster changes than in any field, it is also in this field. In fact, ever since new machinery was emerging, the technology of artificial intelligence was also slowly emerging to some extent. In the future, artificial intelligence will occupy an important part of every person's life. In the present time, robot-like machinery has been created. These robots talk like humans, act like humans. Also, just as humans work with their own intelligence, these machines also work with their own intelligence, it would not be wrong to call it the invention of artificial intelligence.

We all know that Man is the only animal on this earth who is considered intelligent. An animal or a human being who has the ability to think is called intelligent. Even though such intelligence is seen in many animals, only human beings have the conscience of intelligence. Therefore, man is considered as an intelligent animal. But in today's time, technology like artificial intelligence has come into existence due to the tremendous advancements made by technology Artificial intelligence was implanted in machinery using artificial intelligence. This gave machines the power to think and make their own decisions like humans. AI technology can be used to enhance and assist human decision-making and problem-solving, leading to greater efficiency and innovation. As AI technology evolves, there is potential for new and innovative applications in areas such as healthcare, education and transportation.

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