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Artificial Intelligence VS Human Intelligence

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Abstract:

One of the best and oldest research fields in the computer science is the artificial intelligence which is giving intelligence in machines. The main aim of artificial intelligence is to make machine like human that can think like human and perform work better than human. In computer science, artificial intelligence is becoming a popular as it has enhanced the human life in many areas. In the last two decades, Artificial intelligence has greatly improved performance of the manufacturing and service systems. Machines bring with them the benefits of Scalability, Efficiency, and Predictability etc. But yes I think both AI and HI i.e. artificial intelligence and human intelligence has Equal space in this world. The idea to create an AI is to make Human lives easier. Artificial intelligence is the future, and will replace or Enhance Human Capabilities in many Areas. And Experts says that Artificial intelligence has given rise to rapidly growing technology.

Keyword

Introduction, Intelligence, Artificial intelligence, Human Intelligence, Conclusion

Objective

To study the reasons for dependence of Human lives on Artificial Intelligence. The research paper is based on information collected from secondary sources after the detailed study.

Introduction

Artificial intelligence is a branch of Computer science that deals or aims to makes intelligent machines. It has become an essential part of the technology now-a-days in this modern era. We humans learn information but robots are born with this kind of information. Well, how lucky for them when they wake up they know everything about solar system ,and here we humans are learning solar system form 5th std and still we don't know whether Pluto planet really exist or

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not. Right? Robots have inbuilt information about almost everything. They talk, they walk, they sit, they can hold a conversation as well. It is giving the ability to seem like they have human intelligence and power of a machine to copy intelligent human behavior. It is implemented by the computer systems using program software.

Advantages of Artificial Intelligence

AI comes with its own advantages and disadvantages. Artificial intelligence is getting very popular and experts think that it is future of technology, so big tech giants are working on it ,so in few upcoming years we will see some smart cars,bikes,robots and many other machines which will minimize the human efforts and ofcourse will save lot of our time.

1. Error Reduction

AI helps us in reducing error and chance of reaching accuracy with a greater degree of precision is a possibility. It is also used in field of Space Exploration.

Intelligent robots are fed with information and are send to explore space. There are many robots with metal body which have more resistant capability and have greater ability to cope up with the atmosphere in the space.

2. No breaks

I think this is the great advantage AI would have ever got. They don't sleep rest, take breaks, or even get entertained, as they don't get tired and bored. They can work 24*7 because they are programmed for long hours and can continuously perform without getting distracted. They need no to be paid, whereas human employees are been paid by salary. Machines do not take sick leaves or annual leaves. They have no complaints of been overloaded like humans.

3. Daily Application

I think smart phones are the apt and everyday example of how we use Artificial intelligence in our daily lives. In utilities we find that they can predict what we are going to type and correct the human error.

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For e.g.: If I'm typing something on Google it gives me the suggestion below, like if I'm typing the word Artificial on Google it gives me the suggestion below like Artificial intelligence , Artificial flowers etc.

So this is where machine intelligence comes into Scenario in our daily lives

The advantages of AI are not limited to these 3-4 only there are many advantages like it is also used in Medical field, when we are playing Computer games like sudo, chess at that time we are actually interacting with AI only.

Disadvantages of Artificial Intelligence

As coin has two sides there are also some Disadvantages.

1. High cost

Creation of Artificial Intelligence requires huge cost because they are very complex machines.

There maintenance and repair also requires high cost.

2. Can't feel compassion and Sympathy

There is no doubt that when it comes to working efficiently machines are always at the higher level, but when it comes to creation of human connection which makes up a team humans always take up the higher position. I think machines cannot make a bond with humans.

3. No replicating humans

Intelligence is believed to be the gift of nature. Machines do not have emotions and moral values. They perform whatever is programmed in them and cannot make the judgment of right and wrong. Even they cannot take a decision if they encounter a situation which is unfamiliar to them. They either perform incorrectly or break down at such situations.

Artificial Intelligence VS Human Intelligence –the verdict

I have a good example for this:

If I'm talking to the robot for the first time in the voice range which robot could understand and you ask him to convert your speech into text he will convert it very easily because everything is perfect . But take a scenario where you have sore throat or throat infection and your voice has

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been lower down and its not in the range which robot could understand. Do you think now he will convert your Speech in text?

You as a human being can make adjustment for sure and without any explicit training. But the robot is limited by what it had already learned. If he get a new type of speech it needs a new transcript, in sufficient volume as well.

There are more fundamental reasons why no machine can ever come close to humans

1. Sensory information

We humans have five senses and we use all that senses all the time. No robot can ever replicate all this senses. AI will operate only on the land of information processing.

Eg: Self-driving cars may navigate traffic analysis, but can they smell the steaming chess pizza at the same time ? No, but we humans can do because we all have 5 senses working all time.

2. Creativity

Ask questions to yourselves, Can machine create a languages for he first time? Cant they write a poetry that conveys more than what the words say and which can elicit emotion in us? Can they create a art which is imperfect but still touches your soul? The Answer is NO. you can train a machine to behave like you, but you cannot train a machine to develop its own personality.

3. Judgment

I think this is very higher order thinking in humans. This tells us the difference between right and wrong. When we are walking on the road and when we see the pit hole for the first time we judge it instantly whether we can jump over it or not . When we use judgment we use extremely complicated information processing and simulation which I don't think any machine will ever be able to do.

There are some human work which cannot be replaced by artificial intelligence :

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1) People who work in management, especially jobs that entail personnel or motivational leadership.

Machines make certain jobs easier, especially those having to do with finding information or data, humans will have more time to focus and work on things Machines can't possibly master on their own. Human beings spend more time with colleagues, more time in meetings, more time in emotional analysis and trying to sway people.

2) Teachers are irreplaceable because Machines could never relate or understand kids.

Machines couldn't really quite understand where the kid is coming from because they don't share the same human experience. A human will always be able to identify with another human on an emotional level better than a Machines can.

3) Defense jobs are irreplaceable because Machines could never make judgments

Humans judgment will always be a necessary skill in the police force, and that's not something that can be programmed. A policeman make a human judgment on something rather than [a Machines] just taking on a database where they sense such and such a crime and begin shooting it.

Conclusion

We make our own hardware, software, and also make our own energy to fuel ourselves. Machine to beat that. NO machine can survive unless you love it! AI and technology are one part of the life that always keeps us surprising with their new ideas, Innovation, topics and products. This is not the end of Artificial intelligence, there is much more to come from it, who knows what AI will do for us in future, may be it will be the whole society of robots.AI is not a grand Conclusion, but it is great beginning towards the new ages of discovery both within us and our universe.

Bibliography:

1. www.wikipedia.com
2. www.bayt.com

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3. "Artificial Intelligence for Humans," Jeff Heaton, Volume 1 : Fundamental Algorithms,
Create Space Independent Publishing Platform
4. "Adaptation in Natural and Artificial Systems", Holland JH 1975.