HUMAN INTELLIGENCE V/S ARTIFICIAL INTELLIGENCE: AN OVERVIEW

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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. The human workforce will be replaced by machines in the years to come but it is next to impossible for a machine to completely replace the human input because machines fail to provide the creativity and flexibility to find a solution. Machines are able to do only those thing which is already programmed in the software. In the years to come, Machines are not going to replace the human resource and all of the tasks which are currently being performed by the human beings, but in the future the workload will be handled much more precisely and efficiently with the utilization of an interaction between the human and the Machines.

Keyword

Introduction, Human-Intelligence ,Artificial-Intelligence ,Human Intelligence cannot be replaced by Artificial Intelligence

Introduction

The ability to acquire and apply knowledge and skills is the intelligence; imagination is the true sign of intelligence. In many different way intelligence has been defined including understanding learning, planning, creativity, and problem solving or ability to perceive information and retain Knowledge. Intelligence is not only in humans, but it has also been observed in non-human such as animals and in plants. Artificial intelligence is intelligence in machines. 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.

Artificial intelligence

Artificial intellect is an area of computer science that deals with giving machines the ability to seem like they have human intelligence. intelligent agent is the field of Artificial intelligence that any device perceives its environment and take actions that maximize its chance of success at some goal. It is a way of making a computer, a software think intelligently, Artificial intelligence is accomplished by studying how human brain thinks, learn, decide, and work while trying to solve a problem .Artificial intelligence is being applied in some areas:-

- **Game playing**
- **Speech recognition**
- **Understanding natural language**
- **Computer vision**
- **Expert systems**

Artificial intelligence is been covered those all areas but it is not possible to cover all the areas, there are some disadvantages

Disadvantages of Artificial Intelligence

1)High Cost

Artificial Intelligence requires huge costs as they are very complex machines. Their repair and maintenance require huge costs. In the case of severe breakdowns, the procedure to recover lost codes might require huge cost.

2) No Replicating Humans

Intelligence is believed to be a gift of nature. Machines do not have any moral values   and emotion. They only perform what is programmed and cannot make the judgment of right or wrong. In any unfamiliar situation they cannot take any decision.

3) No Improvement with Experience

Machines cannot be improved with experience and there are unable to alter their responses to changing environments. Concern or care are not present in the machine intelligence dictionary. There is no sense of belonging or togetherness or a human touch.

4) No Original Creativity

There is no match for the power of thinking that the human brain has or even the originality of a creative mind. Human beings are emotional intellectuals and highly sensitive. They hear, see, think and feel. Their thoughts are guided by the feelings which completely lacks in machines. The inherent intuitive abilities of the human brain cannot be replicate.

4)Lack of personal connection

While smart machine improves education experience they cannot be considered a substitute for personal interaction.

Human Intelligence

HUMINT is the abbreviation of the human intelligence gathered by means of interpersonal contact, signal intelligence and imaginary intelligence. The intellectual prowess of humans is the human intelligence such as cognition, motivation, and self-awareness. Humans possess the cognitive abilities to learn form concepts, understand and reason, including the capacities to recognize patterns, plan, problem solve, make decisions, retain information, and use language to communicate. Intelligence enables humans to think and experience. The activities of human intelligence is interrogations and conversations with persons having access to information. .Finally, it can provide information on interpersonal relationship.

Advantages of Human Intelligence

1) Decision Maker

In any unfamiliar situation human intelligence can able to take decision. but it is not possible in the artificial intelligence. Machines cannot take any decision which is not programmed in the software.

2) Improvement with Experience

Human can be improved with experience and there are nable to alter their responses to changing environments. There is sense of belonging or togetherness or a human touch.

3)Judgments

If the control of machines goes in wrong hand it may cause destruction. Machine don't think before acting but human can wise decision while acting.

4)Environment Adaptation

Machine cannot easily adapt to the changing environment unless they are programmed accordingly, while human can easily adapt the changing environment.

Human intelligence cannot replace by Artificial intelligence

The major part of the human workforce will be replaced by machines in the years to come. Development of intelligent machines beyond a certain point could mark the end of humankind, but it is impossible for a machine to completely replace the human input. There is a wide range of jobs without human finesse can't be performed. Artificial intelligence has not evolved to a point of developing machines which can interact, think, adapt, and respond exactly in a fashion as a human can, it is not possible for such intelligent machines to completely replace the human resource. Machines can certainly help a in automating the process but the human finesse that controls, operates, and direct the use of such a technology. An industry that makes an extensive use of artificial intelligence, human input, human interaction, and human judgment still cannot be replaced by the capabilities of an artificially intelligent machine. There are some related aspect such as feelings, emotions, sentiments, moods, teaching, judgments etc. can never be imitated by artificial intelligence. Such aspects can essentially be considered by the human.

There are some humans work which cannot be replaced by artificial intelligence.

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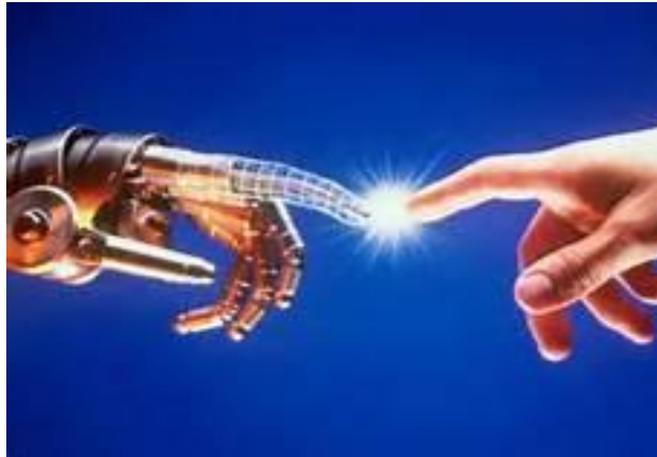
Machines couldn't really quite understand where the kid is coming from because they don't share the same human experience. A human will always be able to identify with another human on an emotional level better than a Machines can.

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

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

The utilization of artificial intelligence will surely make life even more convenient for humankind in the years to come, but it will never be possible for such machines to completely replace the human resource. Humans is the creator of the machines, will always be in charge of directing, operating, and controlling the use of this technology. The human interaction will never be made obsolete because of such machines. Computer and human workforce is only going to make all of the processes more efficient and accurate in a given workplace.so, I am concluding my research paper as human intelligence cannot be replaced by artificial intelligence.

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