

STUDY ON ARTIFICIAL INTELLIGENCE

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Abstract: The branch of computer science with the intelligent behavior in the computer. Artificial intelligence (AI) is the way of accomplished studying how the human brain thinks, how the human learn and how the humans solve the problems, ability to manipulate and move objects. The main aim of artificial intelligence is to imitate intelligent human behavior. Artificial intelligence (AI) must have access to objects, properties and relations between all of them to implement knowledge engineering. Initiating common sense, reasoning and problem-solving power in machines is a very difficult and tedious approach.

Keywords: Artificial intelligence, Human Brain, problem solving

I. INTRODUCTION

Artificial intelligence (AI) is an area of computer science that is the creation of intelligent machines that work and react like humans. Artificial intelligence are designed for some of the activities are speech recognition, planning, learning, problem solving..., The development of (AI) started with the aim of creating similar intelligence in machines that we find and regard high in humans. Artificial intelligence (AI) is a science and technology based on study such as Computer Science, Biology, Psychology, philosophy, Mathematics, and Engineering.



History of AI:

- In 1943 mc carthy and pitts propose a new model of artificial neurons.
- The term AI was coined by **john mc carthy** in 1956. In the first academic conference on the subject in IBM at Dartmouth college in hanover

What is AI technique?

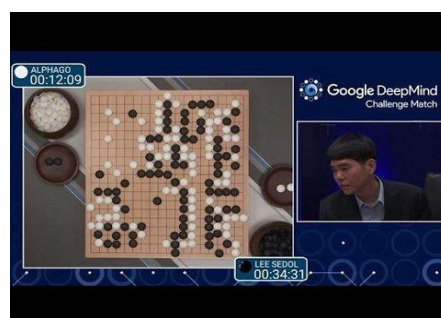
AI Technique is a manner how to provide and use the knowledge efficiently they are:

- It must be perceivable (understood) by the people who provide and use it.
- Its volume is high, changing constantly.
- It should be easy to correct errors.
- It should be useful in any situations though it is incomplete or else inaccurate.
- AI techniques elevate the speed of execution of the complex program.

Types of artificial intelligence:

1. Purely reactive:

It is one of the basic form of artificial intelligence. It will not store any past experience or memory. It acts directly as the human mind automatically. The best example for AI is Deep blue and Google's AlphaGO.



2. Limited memory:

After purely reactive, limited memory which adds up past experience or memory into preprogram form. It is used to make proper decision and execute appropriate actions.

Example: Driving vehicles (self)

3. Theory of mind:

This is the term of psychology. It has the capacity to understand feelings, thoughts, belief, desire and emotions of the human behavior.

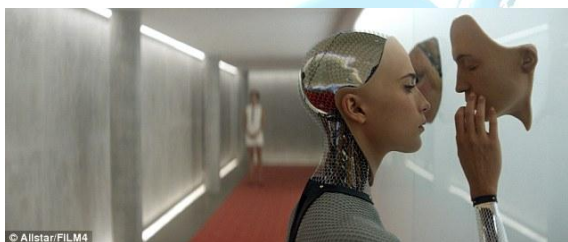
Example: chitti-robot



4. Self-aware:

It have sense of self and have consciousness. Machine with self-awareness it can understand current states and also can predict the feelings of others. They are the future generations of machines: super intelligent, conscious and sentient.

Example:Ava in the movie Ex Machina



IV.REFERENCE

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Advantages of AI:

- More useful and more powerful.
- Processing speed is good.
- Its solving new problems.
- Better handling.
- Information overloaded.
- No risk of harm

Disadvantage of AI:

- Slow and expensive.
- Few products have reached the market yet.
- Difficult in software development.
- High standard of maintenance.
- Contain process still needed operator.

III.CONCLUSION

AI is the center of a new enterprise to computational model of intelligence. It can be also represented in terms of structures and operations which can be programmed in digital computers. It will borrow characteristics from human intelligence and apply them as algorithms in the computer.