Artificial Intelligence

The term ‘artificial intelligence’ dates back to 1956 and belongs to a Stanford researcher John McCarthy. McCarthy defined the key mission of AI as a sub-field of computer science. There are certain things a machine/computer program must be capable of to be considered AI .

Artificial intelligence is a broad concept in which machines are able to deal with tasks in a way we would call intelligent or smart. Machine learning is the most common application of AI. Some people claim that AI is still in its infancy. Others assure us that we are only a few years away from AI gaining control over humanity.

AI is not the same as machine learning. Machine learning is a current application of AI that is focused on the development of computer programs that can access data and learn from it. The entire machine learning concept is based on the assumption that we should give machines access to information and let them learning from it themselves.

Experts predict that within the next decade AI will outperform humans in relatively simple tasks such as translating languages. More complicated tasks like writing a bestselling book or working as a surgeon will take machines much more time to learn. AI is expected to master these two skills by 2049 and 2053 accordingly .

terms :

**artificial intelligence :**

(AI) is the ability of a computer or a robot controlled by a computer to do tasks that are usually done by humans because they require human intelligence and discernment .

**machine learning :** is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.

**computer science:** Computer science is the study of computers and computing as well as their theoretical and practical applications. Computer science applies the principles of mathematics, engineering, and logic to a plethora of functions, including algorithm formulation, software and hardware development, and artificial .

**basic robot :** Robotics is a sub-domain of engineering and science that includes mechanical engineering, electrical engineering, computer science, and others. Robotics deals with the design, construction, operation, and use of robots and computer systems for their control, sensory feedback, and information processing.

**self-driving :**

machine operating without the guidance of a human. vehicle navigated and maneuvered by a computer without a need for human control or intervention under a range of driving situations and conditions.