

Introduction to Artificial Intelligence

Introduction

- **Intelligence:** “The ability to learn and to solve problems.”
- **Artificial Intelligence:** Artificial Intelligence (AI) is the simulation of human intelligence by machines.
 1. The ability to solve problems.
 2. The ability to act rationally.
 3. The ability to act like humans.
- **The core principles of AI include:**
 1. Reasoning, knowledge, planning, learning, and communication.
 2. Perception and the ability to move and manipulate objects.
 3. It is the science and engineering that make it possible to create intelligent machines, particularly intelligent computer programs.

Definition

Computers capable of imitating or duplicating the functions of the human brain.

Artificial Intelligence is the intelligence of machines and the branch of computer science that aims to create it.

“The branch of computer science that is concerned with the automation of intelligent behavior.” (Luger and Stubblefield, 1993)

History of Artificial Intelligence

1950

The time when it all started.

1955

John McCarthy coined term 'Artificial intelligence'.

1974

Computers became faster & affordable

1980

The year of Artificial Intelligence.

2000

Landmark of AI establishment achieved.