Intelligence artificial workshop(OFICINA)

Important notes for the book "Artificial Intelligence A Modern Approach by 4th edition,Peter Norvig and Stuart Russel Pearson

Overview of the book

They define AI as the study of agents that receive percepts from the environment and perform actions.

Artificial Intelligence
1. Introduction

The six disciplines that compose mostly AI:
● natural language processing to communicate successfully in a human language; (Natural language processing Knowledge)
● knowledge representation to store what it knows or hears;
● automated reasoning to answer questions and to draw new conclusions;
● machine learning to adapt to new circumstances and to detect and extrapolate patterns. (Machine learning)

Turing viewed the physical simulation of a person as unnecessary to demonstrate intelligence. However, other researchers have proposed a total Turing test, which requires interaction with objects and people in the real world. To pass the total Turing test, a robot will need Computer vision :
● computer vision and speech recognition to perceive the world;
● robotics to manipulate objects and move about.