UNIT 1

CHAPTER 1   ARTIFICIAL INTELLIGENCE (AI)

(1) Defn

AI is the study of how to make computers do things , which, at the moment, people do better

(2)

AI refers to the simulation of human intelligence in machines that are programmed to think like humans. and mimic their actions. The terms may also be applied to any machine that exhibits traits associated with a human mind such as learning and problems solving.

The ideal characteristic of artificial intelligence is its ability to rationalise and take actions that have the best chance of achieving a specific goal.

goals

The goals of artificial intelligence include learning, reasoning and perception.

Applications of A.I

The applications for artificial intelligence are endless.

* AI is being tested and used in the health care industry for doing drugs and different treatment in patients, and for surgical procedures in the operating rooms.

* Other example of machines with AI include Computers that play chess and self driving cars. Each of these machines must weigh the consequences of any action they take, as each action will impact the end result.

In chess the end result is winning the game.

* AI also has applications in the financial industry where it is used to detect and flag activity in banking and finance such as debit card usage and large account deposits - all of which help a bank to detect any fraud attempt.

* Applications for AI are also being used to help streamline and make trading easier. This is done by making supply, demand and pricing of securities easier to estimate.