

Introduction

* Explain Artificial Intelligence with its real time example.

=> Artificial Intelligence is not a system, but only human can implement Artificial Intelligence.

Artificial Intelligence has ability to understand like Human.

Human can create system using the Artificial Intelligence which is provide information like Human being.

Artificial Intelligence is a process of create computer which can think like Human.

Artificial Intelligence system can perform tasks that typically require human intelligence.

Using, AI computer system can be think like human.

AI can provides data in the machine and using that data machine can learn by your self which is called Machine Learning.

There are two types of AI.

ci) Strong AI

cii) Weak AI

ci) Strong AI : Strong AI is also known as Artificial General Intelligence.

Strong AI has ability to learn, understand and apply knowledge in different condition.

Strong AI is use Complex Algorithm which is help to act in different condition.

Strong AI can take own decision using its own mind and knowledge.

Ex. Poker AI Game.

cii) Weak AI : Weak AI is also known as Artificial Narrow Intelligence.

Weak AI is designed and trained for a perform only specific tasks or set of tasks.

In Weak AI, all the tasks action are already preprogram by the human.

Weak AI does not have any type of ability to understand condition and take any type of decision using its own mind.

Ex. Virtual Assitants.

⇒ Real time example of AI :

Facial Recogniton in college :

In every college, Facial Recogniton is used for the identify and verify the ~~the~~ every individuals based on their own facial features.

This system is also use in mobile phones to unlocking the smartphones.

* List the Application of Artificial Intelligence.

=> This are the Basic Application of Artificial Intelligence.

a. Healthcare:

- Medical Imaging
- Drug Discovery
- Personalized Medicine

b. Finance:

- Fraud Detection
- Credit Scoring.

c. Automotive:

- Autonomous Vehicles
- Predictive Maintenance.

d. Agriculture:

- Precision Farming
- Crop Monitoring

e. Security:

- Facial Recognizaton
- Finger-Print Recognizaton
- Voice Recognizaton.

f. Education:

- Automated Grading
- Adaptive Learning

* Explain Difference between Strong AI and Weak AI.

Strong AI	Weak AI
1 Strong AI has ability to understand, learn and apply knowledge in every condition.	Weak AI has ability to perform only specific task or Set of tasks.
2 Strong AI uses Complex Algorithm.	Weak AI uses Preprogram which is provide by human
3 Machine can take its own decision using its own mind.	Every tasks action are predefine by the human.
4 Capable to applying intelligence in every domain.	Capable to applying intelligence in only specific task.
5 Ex. Poker AI	Ex. Virtual Assistance.

* Explain Domain Task in Artificial Intelligence.

=> There are Three Domain Task or Domain of Artificial Intelligence

(i) Mundane Task

(ii) Formal Task

(iii) Expert Task

(i) Mundane Task: This are the sectore are include in Mundane Task.

- Perception - Use of Sensors for vision and speech.

- Natural Language - For Understand, Translate and Generate.

- Common Sense Reasoning

- Robot Control

(ii) Formal Task: This are the sectore are include in Formal Task.

- Games - Chess, Go, Bacon etc.

- Maths - Geometric Logic, Integral Calculus, Proving Properties of Problem.

iii) Expert Task : This are the sectore are include in Expert Task.

- Engineering : Design, Fault Finding, manufacture and planning
- Scientific Analysis
- Medical Diagnosis
- Fincial Analysis.