SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade

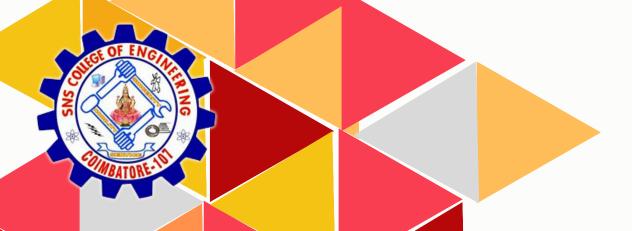**Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai**

🞂🞂 🞂 **DEPARTMENT OF MANAGEMENT STUDIES**

Subject Code & Name : 19BA336 - ARTIFICIAL INTELLIGENCE

Semester & Year : IV& II Year

Unit 1: MACHINES AND AI

Topic: Introduction to AI and Machine Learning

What is AI ?

Artificial Intelligence (AI) is a branch of Science which deals with helping machines find solutions to complex problems in a more human-like fashion.

This generally involves borrowing characteristics from human intelligence, and applying them as algorithms in a computer-friendly way.

A more or less flexible or efficient approach can be taken depending on the requirements established, which influences how artificial the intelligent behavior appear

Artificial intelligence can be viewed from a variety of perspectives.

Intelligence perspective
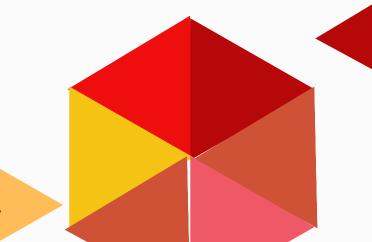
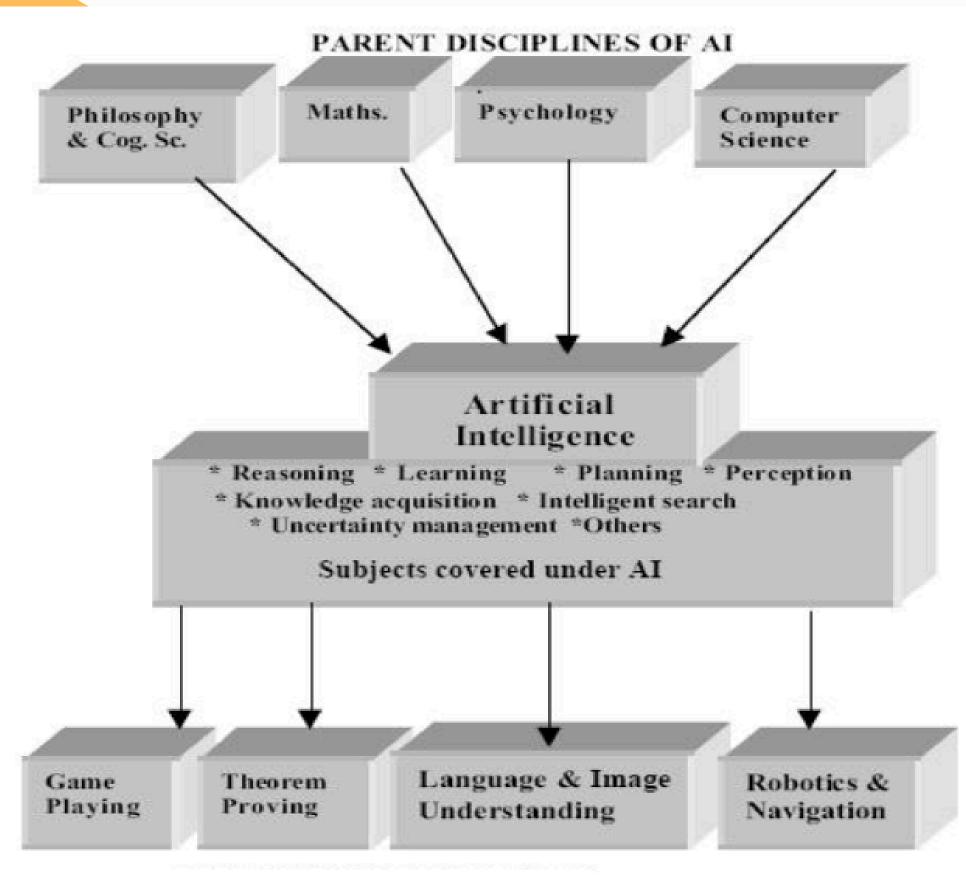Business Perspective

Programming Perspective

Importance of AI

1. Game Playing
2. Speech Recognition
3. Understanding Natural Language
4. Computer Vision
5. Expert Systems
6. Heuristic Classification

Application areas of AI

PARENT DISCIPLINES OF AI

Philosophy & Cog. Sc. — Maths. — Psychology — Computer Science

Artificial Intelligence

* Reasoning   * Learning   * Planning   * Perception
* Knowledge acquisition   * Intelligent search
* Uncertainty management   *Others

Subjects covered under AI

Game Playing — Theorem Proving — Language & Image Understanding — Robotics & Navigation

History of AI

1943 — Evolution of Artificial neurons

1950 — Turing Machine

1956 — Birth of AI: Dartmouth Conference

1966 — First Chatboat : ELIZA

1972 — First Intellgence Robot : WABOT -1

1974-1980 — First AI winer

1980 — Expert Ststem

1987-1993 — Second AI Winer

1997 — IBM Deep blue : first computer to beat a world chess champion

2002 — AI in Home: Roomba

2011 — IBM s Watson : Wins a quiz show

2012 — Google now

2014 — Chatbot Eugene Goostman:Wines a "Turing test

2015 — Amazon Echo