

The term AI defined as follows — ①

"Developing Computer-Programs to Solve Complex problems by application of Processes that are similar to human Reasoning Processes".

i.e.  
AI contains two major parts —

- 1) Computer-Solution for Complex-Problems.
- 2) Processes that are similar to human-being ←

# AI Techniques → There are following two-techniques are applied by AI-Researchers to develop intelligent systems —

- ① Heuristic Technique
- ② Search-Technique

## UNIT - 1

# AI: — ②

Intro: — AI is related with Computer-Science that includes Study & Creation of Computer-Systems, i.e. AI is the Comparison between the abilities of human & Computer.

The definition of AI is related with Symbolic-Processing, Heuristics & Pattern-matching.

# Features of AI: →

There are following features of AI.

- 1) It used Symbolic Processing-type. It works with Symbols rather than numbers.
- 2) Heuristic Search is used. Heuristic-Technique is used for Search.
- 3) Frequently-modification
- 4) AI Program deals with real-life problems.
- 5) AI developing Computer Programs to Solve Complex-Problems.

# Diagram: → Components of AI →

There are four major components of AI.

- ① Knowledge Representation
- ② Heuristic Search
- ③ AI Programming Language & Tools
- ④ AI Hardware