## #Syllabus of A.I

Approach to AI (Hewaistic Search, Game Rlaying) 2 Knowledge Representation (Approaches, Predicate Logic)

3> Planning (Overview, Hierachachial, goal stack)
4> NLP (Syntactic, Sematic)

5> Multiagent System (types, properties)

6 Fuzzy sets (crisp, fuzzy, setxcut, operations)

DANN and Genetic Algo (single, Multilayer feed forward, Recurrent, Machine Learning).

## \*What is Artificial Intelligence?

er can machines Think"?

- -> petflix recommends movies on our behaviour.
  - -> Reasoning think logical
- -) Learning Learn through experiences in the
- -> Problem solving-
  - -) Perception decision based on the pensey.

## \* State Space Search

\* How to represent the problem precisely. \*

\* We can analyse the problem after this.

-> We used state space search for precisely representation.

## \* 8 puzzle problem:

S: gS, A, Action (s), Result(S,a), cost (S,a) }

S=Start, Goal

Legal moves.

illegal moves.

Jup, down, lebt,

Right.

2	3	4
5		1
8	7	6
Stev	its	tate

				ĺ
	1	2	3	
7	8		4	
×	7	6	5	
-	G	oal	Sta	ite.

\*Two ways of searching:
(i) uninformed Search (Blind search)

(ii) Informed Search (Heuristic Search)

uninformed searching Informed searchings

(2) NO knowledge

(3) Time consuming

(4) More complexity

(5) Used DFS, BFS, etc.

(6) Use A\*, Heuristic DFS, Best First Search.

\*Information is also called houristic: