Module – 1

Overview of Artificial Intelligence

# What Is Artificial Intelligence? | Artificial Intelligence (AI) In 10 Minutes | Edureka

<https://www.youtube.com/watch?v=oV74Najm6Nc>

# Artificial Intelligence | Introduction | Lec-1| Bhanu Priya

<https://www.youtube.com/watch?v=kmeaG_BQZ7M>

# Artificial intelligence (AI) | Why & goals | Lec-2 | Bhanu Priya

<https://www.youtube.com/watch?v=Fo2iyeBZtW4>

# What is Artificial Intelligence? In 5 minutes.

https://www.youtube.com/watch?v=2ePf9rue1Ao

History of AI

# History of Artificial Intelligence (AI)

<https://www.youtube.com/watch?v=fBncbUmO-L4>

Agents and environment

# Agents in AI | Part-1/2 | Artificial Intelligence | Lec-4 | Bhanu Priya

<https://www.youtube.com/watch?v=2iHaSVEadiI>

# Agents in AI | Part-2/2 | Artificial Intelligence | Lec-5 | Bhanu Priya

<https://www.youtube.com/watch?v=Ov0kBRS1tmg>

# types of AI agents | Part-1/2 | simple & model based reflex | Lec-6| Bhanu Priya

<https://www.youtube.com/watch?v=rWh9cK0ycuw>

# types of AI agents | Part-2/2 | learning, goal & utility based | Lec-7| Bhanu Priya

https://www.youtube.com/watch?v=4GsHzPsgq-A

# Agents environment | Artificial intelligence | Lec-8 | Bhanu Priya

<https://www.youtube.com/watch?v=nwQZSP6hyf0>

0:08 / 7:03

**Type of environment || Artificial Intelligent**

<https://www.youtube.com/watch?v=yHXatUO6h28>

# Rationality in Artificial Intelligence

<https://www.youtube.com/watch?v=xN2fCNKzsbw>

# Rationality and Rational Agents in AI in just 3 mins

<https://www.youtube.com/watch?v=JxleM2c8Hlc>

Classification of AI systems with respect to environment

Module – 2

**Problem solving**

Solving problems by searching

# problem solving | Artificial intelligence | Lec-9 | Bhanu Priya

<https://www.youtube.com/watch?v=CXtN2fik8L0>

# search algorithm | types | Artificial intelligence | Lec-11 | Bhanu Priya

<https://www.youtube.com/watch?v=AneIXxdu_g4>

# BFS search algorithm | uninformed | Artificial intelligence | Lec-12 | Bhanu Priya

<https://www.youtube.com/watch?v=cqE6WS2GFzA>

# Breadth first search algorithm Example | BFS | uninformed | AI | Lec-13 | Bhanu Priya

<https://www.youtube.com/watch?v=GfgdWpgBJ0A>

# depth first search algorithm | DFS | Uninformed | Artificial intelligence | Lec-14 | Bhanu Priya

<https://www.youtube.com/watch?v=rmKOOxU4Gf4>

# Depth limited search algorithm | DLS | Uninformed | Artificial intelligence | Lec-15 | Bhanu Priya

<https://www.youtube.com/watch?v=KhMLU3eayQg>

# Bidirectional search algorithm | uninformed | Artificial intelligence | Lec-17 | Bhanu Priya

<https://www.youtube.com/watch?v=SABX6YggDTU>

# Lec-2\_Problem, Problem space and Search | Artificial Intelligence | Computer Engineering

<https://www.youtube.com/watch?v=Ptk4IgGNB6E>

# Problems and Problem Space in Artificial Intelligence Notes

<https://www.youtube.com/watch?v=hMaxTBQqRpI>

# State Space Search and Problem Solving in Artificial Intelligence

<https://www.youtube.com/watch?v=6B2rZkw7LRo>

# Lecture 8: State Space Search in Artificial intelligence with Example

<https://www.youtube.com/watch?v=FeijiYzN1B4>

# State Space Search to represent problem in Artificial Intelligence by Dr. Mahesh Huddar

<https://www.youtube.com/watch?v=0VS62q8U2iA>

# AI Unit 1 Topic 6 Searching for Solutions

<https://www.youtube.com/watch?v=0sb0pfAaa0g>

# Searching for solutions in Artificial Intelligence

https://www.youtube.com/watch?v=4pbtXodU8Mw

Module 3

Breath first Search (BFS)

**BFS algorithm | informed search | Artificial intelligence | Lec-18 | Bhanu Priya**

<https://www.youtube.com/watch?v=Z_0-4jzugDU>

[BFS algorithm example | informed search | AI | Lec-19 | Bhanu Priya](https://www.youtube.com/watch?v=i4MA_hFkKDg)

<https://www.youtube.com/watch?v=i4MA_hFkKDg>

# Lecture 14:Best first search in Artificial Intelligence with Example

<https://www.youtube.com/watch?v=x5rr6u2IEbE>

# conversion of NFA to DFA example | Part-2 | TOC | Lec-20 | Bhanu Priya

https://www.youtube.com/watch?v=hIIYyVCPKQk

# A Star algorithm | Example | Informed search | Artificial intelligence | Lec-21 | Bhanu Priya

<https://www.youtube.com/watch?v=PzEWHH2v3TE>

# Binary Search Tree | BST | Design & Algorithms | Lec-22 | Bhanu Priya

<https://www.youtube.com/watch?v=cvooTtquDlQ>

# Minimax algorithm in Artificial Intelligence | Game playing example in English | Tic Tac Toe

<https://www.youtube.com/watch?v=NVAjFcNPqUc>

# Alpha Beta Pruning in artificial intelligence in English | Solved example with solution in AI

<https://www.youtube.com/watch?v=-pvQeARNyR4>

# 24 Game playing min max algorithm

<https://www.youtube.com/watch?v=ZBswbXkV_Js>

# Lecture 20: Alpha beta pruning in Artificial Intelligence

<https://www.youtube.com/watch?v=7GI5V8rDQ54>