



# MOHAMED SATHAK ENGINEERING COLLEGE

KILAKARAI-623 806, RAMANATHAPURAM DIST.

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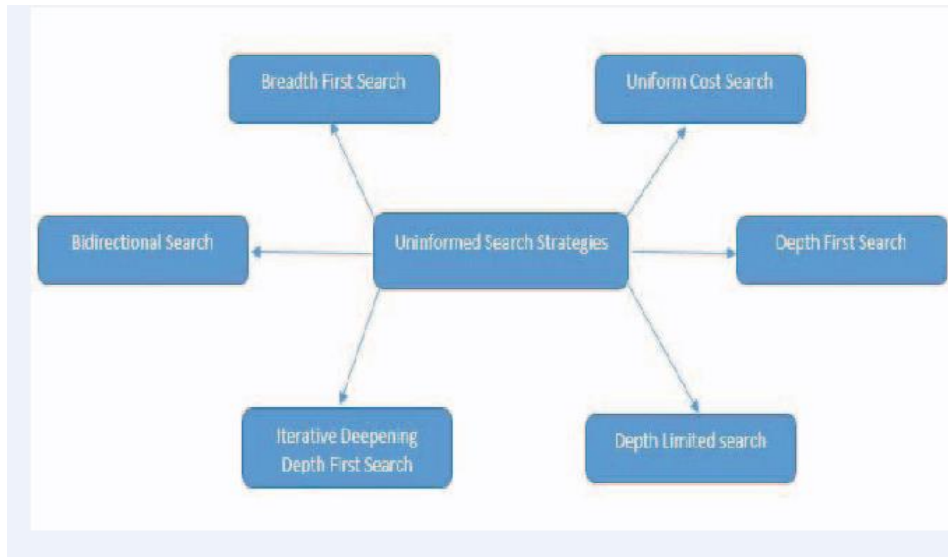
## DEPARTMENT OF INFORMATION TECHNOLOGY

### Innovative Teaching Methodology – Mind Map

Name of the Course : CS3491 – Artificial Intelligence and Machine Learning

Name of the Course Instructor(s) : Ms.S.Sangeetha

Class/Date :

<b>Topic</b>	Unit I – Uninformed Search Strategies
<b>URL of the Video/ Material used</b>	1. Stuart Russell and Peter Norvig, “Artificial Intelligence – A Modern Approach”, Fourth Edition, Pearson Education, 2021. 2. <b>URL of the Video</b> : <a href="https://www.youtube.com/watch?v=rQRAbRrIIz0">https://www.youtube.com/watch?v=rQRAbRrIIz0</a>
<b>Innovative Teaching Methodology</b>	Mind Map
<b>Goal</b>	Make the students to deal the various several techniques available in Uninformed Search.
<b>Learning Outcomes</b>	Students will learn how to use appropriate search algorithms for problem solving.
<b>Total Lesson Time</b>	1 Period
<b>Type of Activity</b>	Individual and Group
<b>In Class Activity</b>	Preparation of Mind Map  <pre> graph TD     A[Uninformed Search Strategies] --&gt; B[Breadth First Search]     A --&gt; C[Uniform Cost Search]     A --&gt; D[Bidirectional Search]     A --&gt; E[Depth First Search]     A --&gt; F[Iterative Deepening Depth First Search]     A --&gt; G[Depth Limited search]             </pre>

**Description of the Activity**

The course instructor explained the topic “Uninformed Search Strategies” is dealing with several techniques available in Uninformed Search. This topic needs memorization of different algorithms based on the involved technique. Hence, mind map technique was introduced in order to make it easy for the students to remember the subtopics and organize them. Students were taught with the topic very elaborately and asked to prepare and submit mind map based on the discussion in the class.

**Prepared By****Sangeetha S, AP/IT****Verified By****HOD- IT**