



School of

Department of: \_\_\_\_\_ CSE \_\_\_\_\_

**Assignment-2, Session:**

[B.Tech:CSE] [Semester:6th]

Course Title: <b>Artificial Intelligence</b>		Max Marks: 20		
Course Code: CSE472				
<b>Instructions:</b>	<ol style="list-style-type: none"> <li>1. All questions are compulsory</li> <li>2. Assume missing data suitably, if any</li> <li>3. All questions should be of higher learning.</li> </ol>	BTL Level (K)		
Unit 3,	CO3: <b>Extend</b> knowledge representation, reasoning, and theorem proving techniques to real-world problems			
Unit 4,	CO4: <b>Make use of:</b> Machine learning algorithms in various application domains of AI. CO5: <b>Select</b> Artificial Intelligent based applications. CO6: <b>Develop</b> independent (or in a small group) research and communicate it effectively.			
Unit 5				
<b>Q.No.</b>	<b>Section A (5×4=20Marks)</b>	<b>Unit</b>	<b>COs</b>	<b>K</b>
1	Compare <b>Forward Chaining and Backward Chaining</b> with diagram.	Unit 3	CO3	K4
2.a	Explain <b>Supervised and Unsupervised Learning</b> with real-world examples.	Unit 4	CO4	K5
2.b	Explain the <b>structure of Artificial Neural Networks</b> with diagram.	Unit 4	CO4	K5
3	Discuss the <b>role of AI in Natural Language Processing and Robotics</b> .	Unit 5	CO5	K6
4	Elaborate and write notes on <b>Ambient Intelligence and AI Future Applications</b> .	Unit 5	CO6	K6