

## Teaching Plan

Name of the Faculty: Dr. Vinita Jindal

Name of the Course: B.Sc. (H) Computer Science, CBCS

Semester: VI, Sec (if any): A

Title of the Paper : Artificial Intelligence (BHCS13) - (DSC)

Month	Theory Topics Covered	Practical's Q Covered	Reference (s)
January	<ul style="list-style-type: none"> <li>• [2] Chapter 1: 1.1, 1.4</li> <li>• [2] Chapter 2: (complete)</li> <li>• [4] Chapter 1: 1.1, 1.2, 1.3, 1.4, 1.5</li> <li>• [4] Chapter 2: 2.1, 2.2</li> <li>• [4] Chapter 3: 3.1, 3.2, 3.4</li> <li>• Class Test-1 and Assignment-1</li> </ul>	Q1 to Q6	[2], [4]
February	<ul style="list-style-type: none"> <li>• [1] Chapter 2: 2.1, 2.2, 2.3</li> <li>• [1] Chapter 3: 3.2 up to 3.2.2, 3.3 up to 3.3.2, 3.5, 3.6</li> <li>• [1] Chapter 12: 12.1, 12.2, 12.3</li> <li>• [4] Chapter 5: 5.1, 5.2, 5.3</li> <li>• [4] Chapter 6: 6.7.2</li> <li>• Class Test-2 and Assignment-2</li> </ul>	Q7 to Q12	[1], [4]
March	<ul style="list-style-type: none"> <li>• [3] Chapter 4 (complete)</li> <li>• [3] Chapter 7: (Complete)</li> <li>• [3] Chapter 5: 5.1, 5.2, 5.3, 5.6</li> <li>• [3] Chapter 6: 6.1, 6.2</li> <li>• [3] Chapter 12: 12.1, 12.2, 12.3, 12.4 up to pg 247 (upto recursive transition network)</li> <li>• Class Test-3</li> </ul>	Q13 to Q18	[3]
April	<ol style="list-style-type: none"> <li>1. <a href="https://interestingengineering.com/ethics-of-ai-benefits-and-risks-of-artificial-intelligence-systems">https://interestingengineering.com/ethics-of-ai-benefits-and-risks-of-artificial-intelligence-systems</a></li> <li>2. <a href="https://royalsocietypublishing.org/doi/full/10.1098/rsta.2018.0080">https://royalsocietypublishing.org/doi/full/10.1098/rsta.2018.0080</a></li> <li>3. <a href="https://law-campbell.libguides.com/ld.php?content_id=58542260">https://law-campbell.libguides.com/ld.php?content_id=58542260</a></li> </ol> <ul style="list-style-type: none"> <li>• Class Test-4</li> <li>• Revision of Topics and Previous Years Question Papers Solving</li> </ul>	Revision	Online resources

### References:

1. Rich, E. & Knight, K. (2012). Artificial Intelligence. 3rd edition. Tata McGraw Hill.
2. Russell, S.J. & Norvig, P. (2015) Artificial Intelligence - A Modern Approach. 3rd edition. Pearson Education
3. Patterson, D.W. (2015). Introduction to Artificial Intelligence and Expert Systems. 1st edition. Pearson Education.
4. Bratko, I. (2011). Prolog Programming for Artificial Intelligence. 4th edition. Pearson Education