

Course Name	COMPUTATIONAL INTELLIGENCE	Course Code	COMP – 544			
Credit Hours	2	Contact Hours	Theory	Lab	Total	
			2	-	2	
Offered as	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement <input checked="" type="checkbox"/> Core <input type="checkbox"/> Elective <input type="checkbox"/> ITEC <input checked="" type="checkbox"/> COMP <input type="checkbox"/> CNET					
Level	10	Prerequisite	NIL			
<b>Course Description:</b>  This course provides a strong foundation on fundamental concepts in Computational Intelligence. This course covers Problem-solving through various searching techniques. It covers the techniques in applications which involve perception, reasoning and learning, information retrieval and machine learning.						
<b>Course objectives:</b>  <ul style="list-style-type: none"><li>◆ Understand the basic exposition to the goals and methods of Computational Intelligence.</li><li>◆ Design and implement the intelligent computational techniques.</li><li>◆ Apply the Intelligent techniques for problem solving.</li><li>◆ Identify problem solving skills using the acquired knowledge in the areas of reasoning, natural language understanding, computer vision, automatic programming and machine learning.</li></ul>						
Grading	<input checked="" type="checkbox"/> Exam 1	10%	<input checked="" type="checkbox"/> Exam 2	10%	<input checked="" type="checkbox"/> Assignment 1	10%
	<input checked="" type="checkbox"/> Assignment 2	10%	<input checked="" type="checkbox"/> Oral Presentation	20%	<input checked="" type="checkbox"/> Final	40%
<b>Text Book:</b>  <ul style="list-style-type: none"><li>◆ Stuart Russell, Peter Norvig, —Artificial Intelligence: A Modern Approach, Third Edition, Pearson Education / Prentice Hall of India, 2010.</li><li>◆ Elaine Rich and Kevin Knight, —Artificial Intelligence, Third Edition, Tata McGraw-Hill, 2010.</li></ul>						
<b>References:</b>  <ul style="list-style-type: none"><li>◆ Patrick H. Winston. "Artificial Intelligence", Third edition, Pearson Edition, 2006.</li><li>◆ Dan W. Patterson, —Introduction to Artificial Intelligence and Expert Systems, PHI, 2006.</li><li>◆ Nils J. Nilsson, —Artificial Intelligence: A new Synthesis, Harcourt Asia Pvt. Ltd., 2000.</li></ul>						