	FICIAL INTE				
[As per Choice]	Based Credit Sy	stem (CBCS) scheme			
(Effective fr	om the academ SEMESTER	ic year 2016 -2017) _ V			
Subject Code	15CS562	IA Marks	20	20	
M//	3	Exam Marks		80	
Number of Lecture Hours/Week Total Number of Lecture Hours	40	Exam Hours	03		
Total Number of Lecture Hours	CREDITS -	ho-graditional transfer and transfer at	03		
Course objectives. This course wil		2000			
Course objectives: This course wil			la availa	hlo	
Identify the problems where			is availa	ible	
Compare and contrast difference and contrast diff		es available.			
• Define and explain learning Module – 1	aigorithms			Tacabina	
Module – 1				Teaching Hours	
What is artificial intelligence? Pro	hlems Problem	Spaces and search He	urictic	8 Hours	
What is artificial intelligence?, Problems, Problem Spaces and search, Heuristic search technique				o Hours	
TextBook1: Ch 1, 2 and 3					
Module – 2			- 1		
	os IIsias Da	diame Facile Dance		0 11	
Knowledge Representation Issue knowledge using Rules,	ies, Using Pre	dicate Logic, Repres	enting	8 Hours	
TextBoook1: Ch 4, 5 and 6. Module – 3		4-1-1			
		1 1 1 1 1			
Symbolic Reasoning under Uncert Filter Structures.	tainty, Statistica	i reasoning, Weak Sic	ot and	8 Hours	
	- 14				
TextBoook1: Ch 7, 8 and 9. Module – 4	1				
	DIS.				
Strong slot-and-filler structures, Game Playing. TextBoook1: Ch 10 and 12				8 Hours	
Module - 5	-				
	: F + C				
Natural Language Processing, Learn	ing, Expert Syst	ems.		8 Hours	
TextBook1: Ch 15,17 and 20	-111 11				
Course outcomes: The students sho					
Identify the AI based proble					
Apply techniques to solve the					
Define learning and explain v	various learning	techniques			
Discuss on expert systems					
Question paper pattern:					
The question paper will have TEN question paper will have TEN question and the TEN question and the ten question and the ten question and the ten question are the ten question and the ten question and the ten question are the ten question a	uestions.				
There will be TWO questions from e	ach module.				
Each question will have questions co	vering all the to	pics under a module.	2		
The students will have to answer FIV module.	E full questions	s, selecting ONE full qu	estion f	rom each	
Text Books:					
1 E Bioh V Veicht & C.D.N	T 1 1 10 1 5 =				

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1. E. Rich, K. Knight & S. B. Nair - Artificial Intelligence, 3/e, McGraw Hill.

Reference Books:

1. Artificial Intelligence: A Modern Approach, Stuart Rusell, Peter Norving, Pearson Education 2nd Edition.



- Dan W. Patterson, Introduction to Artificial Intelligence and Expert Systems
 Prentice Hal of India.
- G. Luger, "Artificial Intelligence: Structures and Strategies for complex problem Solving", Fourth Edition, Pearson Education, 2002.
- Artificial Intelligence and Expert Systems Development by D W Rolston-Mc Graw hill.
- N.P. Padhy "Artificial Intelligence and Intelligent Systems", Oxford University Press-2015