[As per Choice Bas (Effective from	OLUTIONARY C sed Credit System the academic year EMESTER – VII	(CBCS) scheme]		
Subject Code	17CS751	IA Marks	40	
Number of Lecture Hours/Week	3	Exam Marks	60	
Total Number of Lecture Hours	40	Exam Hours	03	
Total Number of Lecture Hours	CREDITS – 03			
Module – 1			Teach Hours	_
Introduction to soft computing: Al intelligent systems ANN: introduction, biological insp. Generation NN, perceptron, illustrativ. Text Book 1: Chapter1: 1.1-1.8, Cl.	oiration, BNN&AN e problems			rs
Module – 2 Adaline, Medaline, ANN: (2 nd ge	manation) introduc	tion DDN KNN H	NN, 8 Hou	rs
Adaline, Medaline, ANN: (2 ge BAM, RBF,SVM and illustrative prob		uon, Briv, Kiviv,in	VIV, O HOU	13
Text Book 1: Chapter2: 3.1,3.2,3.3,3				
Module – 3 Fuzzy logic: introduction, human 1			ility 8 Hou	
inference system, illustrative problem Text Book 1: Chapter 5 Module – 4 Introduction to GA, GA, procedu applicability, evolutionary program learning classifier system, illustrative	ures, working of ning, working of	GA, GA applicati EP, GA based Macl	ons, 8 Hou	ırs
Text Book 1: Chapter 7				
Module – 5 Swarm Intelligent system: Introduct Working of ACO, Particle swarm Intel Text Book 1: 8.1-8.4, 8.7		f SI, Ant colony syste	m 8 Hou	irs
Course outcomes: The students show	ıld be able to:			
 Understand soft computing te Apply the learned techniques Differentiate soft computing te 	chniques to solve realistic p			
Question paper pattern: The question paper will have ten que There will be 2 questions from each the Each question will have questions con The students will have to answer 5 fur module.	stions. module. vering all the topic	s under a module.	from each	
Text Books:				
1. Soft computing: N. P Padhy	and S P Simon, Ox	cford University Pres	s 2015	
		Tion of the control o		
Reference Books: 1. Principles of Soft Computing				

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Dept. Of Information Science & Engineering Alva's Institute of Engg. & Technology Mijar, MOODBIDRI - 574 225