

Course Number and Name												
BEE014 & Fuzzy Logic and Neural Network												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.K.S.S.Prasad												
Course Description												
To master the various fundamental concepts of fuzzy logic and artificial neural networks. This will help you to get sufficient knowledge to analyze and design the various intelligent control systems												
Prerequisites						Co-requisites						
Fundamentals of Computing						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To understand the basic concepts of fuzzy sets, fuzzy logic and defuzzification. CO2: To learn the basics of Artificial Neural Networks and its algorithms. CO3: To analyze various techniques in feedback and feed forward neural networks. CO4: To understand the principle of competitive neural networks and adaptive resonance theory CO5: To learn the architecture and algorithm of Cognitron, Neo cognitron and the concepts of fuzzy associative memory and fuzzy systems.												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	M	M	M	H	M	M	M	H		H	L	M
CO2		M	M	H	H		M	H	H	H	L	M
CO3		H			H	M	L	H	H		L	H
CO4		H	M		H	M	L	M	H	L	H	H
CO5	H	M	M	H	H		M				L	L