	ecognition and lications	1 3	T 0	P 2	Linear Algebra, Probab Theory	
ourse Objec	ctive: Understand	pattern recogi	nition theories and	apply them ir	practical problems.	
S. NO	Course Outcomes (CO)					
CO1	Summarize the various techniques involved in pattern recognition					
CO2	Categorize the various pattern recognition techniques into supervised and unsupervised.					
CO3	Illustrate the artificial neural network based pattern recognition					
CO4	Discuss the applications of pattern recognition in various real life problems					
S. NO	Contents			Conta Hou		
UNIT 1	Fundamental concepts and blocks of a typical pattern recognition system. Decision functions- role and types, pattern and weight space, properties and implementation of decision functions.				2	
UNIT 2	Feature identification, selection and extraction. Distance measures, clustering transformation and feature ordering, clustering in feature selection, feature selection through maximization and approximations.				•	

	TOTAL	42.
UNIT 5	Applications of statistical and neural network – based pattern classifiers in	
UNIT 4		
UNIT 3	Pattern classification by distance functions. Clusters and cluster seeking algorithms. Pattern classification by likelihood functions. Baye's classifier and performance measures.	