Course cod	e		Course title				P	J	C	
Data V			arehousing and Data	3	0	0	0	3		
Pre-requisi	te	None		Syllabus version						
G 01.9										
Course Obj										
• The	aim of t	this course is to im	part knowledge on dat	ta warehousing	g and Dat	a M	ınıng	5		
E		2-4								
Expected C			tudents will be able to							
		the data for mining								
-			•	uos						
	_		e classification techniqued in the high dimensi							
• Disc	over the	e knowledge illibio	bed in the high diffiens.	ionai system						
Student Le	arning	Outcomes	2.7.17							
Student Learning Outcomes (SLO):			2.7.17							
(620).										
Unit:1	Basics	of Data Warehou	ısing	9 hours			SI	O:	2.7	
			n operation database	systems and d	ata warel	nous				
			of concept hierarchies							
			•	•						
Unit :2	Online	Analytical Proce	essing	9 hours			SI	O:	2,7	
			tems – Data Modelin	g: Star Schen	na for M	ultic	lime	nsic	onal	
View - Sno	w Flake	Schema for Multi	idimensional View							
				9 hours	T					
Unit:3			ining and Data Pre-	SLO: 2						
Data Mining	proces		M.: I	: D-4	1/	::	. т	>-4-		
			ng Process -Technologi sformation Data reducti		ies in Dai	a M	ınınş	g - L	Jata	
cleaning - Da	ata mieş	gration - Data Trans	Stormation Data reducti	IOII						
Unit: 4	Minin	g frequent patteri	ns	9 hours			SL	$\overline{0\cdot 2}$	17	
			ket analysis – Apriori	1	T Pattern-øi	rowi				
		_	cating Association Rule	-	_		-	-		
Analysis	1		C		J					
Unit: 5	Classif	fication and Clust	tering	9 hours			SL	D: 2	2,17	
-		-	on Methods – K Neares	-						
	_	f clustering - K-me	eans, Hierarchical met	hods: distance-	-based ag	glon	nerat	ive	and	
divisible clus	stering									
		n	D 4 1 T 4 1	45.1	I					
		Ί	Total Lecture hours:	45 hours						
Text Book(s	s)									
1. Han, Ji		. D. 13511	neline Kamber. "Data				•			
									_	

Reference Books									
1.	Reema Thareja, "Data Warehousing", 2009,Oxford University Press								
2. Sam Anahory, "Data Warehousing in the real world: A Practical Guide for Building									
	Support Systems", 2008, Pear								
3.	Galit Shmueli, Peter C. Bruce, Nitin R. Patel, "Data Mining for Business Analytics: Concepts, Techniques, and Applications in XLMiner", 2015, 3rd Edition, Wiley India Publications.								
4.	G. K. Gupta, Introduction to Data Mining with Case Studies, 2014, Easter Economy Edition, Prentice Hall of India.								
Mo	de of Evaluation: Digital Assig	gnments / Quiz	zes /Term	End Examination					
Recommended by Board of		07-12-2018							
Studies									
Approved by Academic Council		No. 53	Date	13-12-2018					