		ADVANCED DATABASES	L	T	P	C
PREREQUISI	ITE.		3	1	0	3
PREREQUISI	IIE;	Basic Data Streures				
		Database management system				
COURSE OB.	IECTIVI					
		amentals of Parallel and Distributed Databases				
		on Object Oriented Databases				
		oncepts of XML Databases and Mobile Databases				
4. To gain	knowled	ge on the intelligent Databases.				
				100		
UNIT I		LLEL AND DISTRIBUTED DATABASES	, A		Hours	D 11
		tectures: Centralized and Client-Server Architectures – Server Sy				
		stems – Parallel Databases: I/O Parallelism – Inter and Intra Query				
		Distributed Database Concepts - Distributed Data Storage - Distributed Data				
UNIT II		<ul> <li>Control – Distributed Query Processing – Three Tier Client Server A</li> <li>TAND OBJECT RELATIONAL DATABASES</li> </ul>	ar cillied		Hours	iules.
		Databases: Object Identity – Object structure – Type Con	structor			lation o
		- Persistence – Type and Class Hierarchies – Inheritance – Comple				
		ad Design: ODMG Model – ODL – OQL – Object Relational and Ex				
		es in SQL / Oracle – Case Studies.	richaea	ICI	ational c	ystems
UNIT III	1	ATABASES		09	Hours	
		Data Model – DTD - XML Schema - XML Querying – Web Database	es – IDI		Hours	
		- Data Warehousing – Data Mining.		, ,		
UNIT IV		LE DATABASES		ng	Hours	
		tion and Handoff Management - Effect of Mobility on Data Manag	rement			enenden
		Mobile Transaction Models - Concurrency Control - Transaction				
Database Reco			on Con	uiiit I	10100013	WIOOIN
UNIT V		LIGENT DATABASES		09	Hours	
Active database	es – Dedu	active Databases – Knowledge bases – Multimedia Databases- Multi-	dimensi	onal I	Data Str	ıctures -
		Document Databases- Video Databases- Audio Databases - Multimo				
Databases.						_
				TOTA	AL: 45	HOURS
FURTHER RI						
	Data mi	ning andWarehousing, Big Data				
COURSE OU	TCOME	S:				
	On the s	uccessful completion of the course, students will be able to				
CO1:	Develop	transaction processing systems with concurrency control.				
CO2:	Design	Object oriented databases for real time applications.				
CO3:	Develop	XML databases for web applications.				
CO4:	Design	Mobile databases for mobile devices.				
		ntelligent rules in database developement				
REFERENCE						
		Abraham Silberschatz and S. Sudharshan, "Database System Concep	ts", Six	th		
•		w Hill, 2011.				
2. C.J.Da	ite, A.Kar	nnan, S.Swamynathan, "An Introduction to Database Systems", Eight	h Editio	n, Pea	rson Ed	ucation,
2006.						
3. R. Elm	nasri, S.B	8. Navathe, "Fundamentals of Database Systems", Fifth Edition,	Pearsor	1		
		son Wesley, 2007.				
4. Thoma	as Cannol	ly and Carolyn Begg, "Database Systems, A Practical Approach to D	esign, l	mpler	nentatio	n and
		Γhird Edition, Pearson Education, 2007.				
5. Subrar	naniam, "	Multimedia Databases", Morgan Kauffman Publishers, 2008.				
6. Frank.	P. Coyle,	, "XML, Web Services And The Data Revolution", Pearson Education	n, 2012			
7. https://	/www.gee	eksforgeeks.org/introduction-of-dbms-database-management-system-	set-1/			
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8. https://www.javatpoint.com/dbms-tutorial9. https://www.tutorialspoint.com/dbms/index.htm