



**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Syllabus for Diploma in Vocation (D.Voc), 4<sup>th</sup> Semester**  
**Branch: Software Development**  
**Subject Name: Database Management Systems**  
**Subject Code: 1240201**

**With effective  
from academic  
year 2018-19**

Teaching Scheme			Credits	Examination Marks				Total Marks
L	P	OJT		Theory		Tutorial/ Practical		
			University exams (ESE)	Progressive Assessment (PA)	External Practical /viva Exam(ESE)	Internal evaluation Practical /viva Exam(PA)		
3	-	-	3	50	-	-	-	50

L- Lectures; P- Practical; OJT- On Job Training; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

**Course Content:**

Sr. No.	Content	Hours
1.	Database Concepts –RDBMS Tool. <ul style="list-style-type: none"> <li>• Basics of RDBMS</li> <li>• SQL –Creating and Opening Database</li> <li>• Creating and populating tables</li> <li>• Modifying the content and structure of table</li> <li>• Ordering and Grouping</li> <li>• Operating with multiple tables</li> </ul>	<b>20</b>
2.	Operating Web Based Applications Online Reservation Systems <ul style="list-style-type: none"> <li>• E-Governance</li> <li>• Online Shopping and Bill payments</li> <li>• Online Tutorials and Tests</li> <li>• Project Management –Web Based Application development</li> <li>• Project essentials and tips</li> <li>• Case Study -Online Game</li> <li>• Case Study -Online Quiz</li> <li>• Case Study –Online Bill Calculator.</li> </ul>	<b>19</b>
<b>Total Hours:</b>		<b>39</b>

**Suggested Specification table with Marks (Theory):**

Distribution of Theory Marks				
R Level	U Level	A Level	N Level	E Level
5	20	15	5	5

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate and above Levels (Bloom's Taxonomy)

• **Reference Book(s):**

- Database Management Systems, RP Mahapatra, Khanna Publishing House
- Database Management Systems, Dalwinder Salaria, Khanna Publishing House