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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | DATABASE MANAGEMENT SYSTEMS | 1 .It helps to keep call records, monthly bills, maintaining balances, etc. For storing information about stock, sales, and purchases of financial instruments like stocks and bonds. Use for storing customer, product & sales information.  2.Advantages of Database Management System   * Data Integrity. Data integrity means data is consistent and accurate in the database. * Data Security. Data security is a vital concept in a database. * Better data integration. * Minimized Data Inconsistency. * Faster Data Access. * Better decision making. * Simplicity. * Recovery and Backup. | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO10:COMMUNICATION  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
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|  |  | **CO1:Design** schema and ER diagram using RDBMS.  **CO2:Modify** database by applying relational model and relational algebra.  **CO3:Design** and **build** simple database systems or applications using embedded and dynamic SQL.  **CO4:Understand** and **apply** dependencies, normalization and normalization algorithms on a designed database.  **CO5:Understand** transaction processing, concurrency control and database recovery protocols. |
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