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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 method1. PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO10:COMMUNICATION PO12: Life-longLearning. |  |
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|  |  | PSO1:Professional SkillsPSO2: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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