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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | DATA STRUCTURES LABORATORY | * The objective is to implement some of the data structures learned in the theory course. * After the successful completion of the course, the student will be able to write C++ programs by choosing appropriate data structures to solve a problem.Implement / Design suitable data structures (abstract data types) as required in C++ programs.Analyze the time taken by the C++ program. * It is intended to teach the design and analysis of basic data structures and their implementation in an object-oriented language. | 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  PO5:Modern Tool Usage |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | CO1: Implement a C program to demonstrate operations of linear data structures by using arrays and strings with simple examples. |
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|  |  | CO2: |
|  |  | Implement a C program to demonstrate applications of stack and queue data structures with simple examples. |
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|  |  | CO3:Implement a C program to demonstrate applications of stack and queue data structures with simple examples. |
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|  |  | CO4:Implement a C program to demonstrate traversal of BST and applications on graphs with simple examples. |
|  |  | CO5:Implement a C program to demonstrate hashing technique using division method on files with simple examples. |
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