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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  PO11:Project Management and Finance. |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | CO1 Analyse and Compare various linear and non-linear data structures  CO2 Code, debug and demonstrate the working nature of different types of data structures and their applications  CO3 Implement, analyse and evaluate the searching and sorting algorithms  CO4 Choose the appropriate data structure for solving real world problems |
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