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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 method1. PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool UsagePO11:Project Management and Finance. |  |
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|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
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|  |  | CO1 Analyse and Compare various linear and non-linear data structuresCO2 Code, debug and demonstrate the working nature of different types of data structures and their applicationsCO3 Implement, analyse and evaluate the searching and sorting algorithmsCO4 Choose the appropriate data structure for solving real world problems |
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