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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and****Tool** | **Cross-cutting issues****integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. |  DESIGN AND ANALYSIS OF ALGORITHMS LABORATORY | 1. students will be able to do the following:
* Analyze the asymptotic performance of algorithms.
* Write rigorous correctness proofs for algorithms.
* Demonstrate a familiarity with major algorithms and data structures.
* Apply important algorithmic design paradigms and methods of analysis.
* Synthesize efficient algorithms in common engineering design situations.
 | 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 UsagePO12: Life-longLearning. |  |
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|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
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|  |  | CO1:Apply and implement various object oriented concepts to solve real world problems.CO2:Design algorithms using brute-force, greedy, dynamic programming, divide and conquer approaches to analyse the performance.CO3:Implement algorithms such as sorting, graph related, combinatorial, to analyse the performance.CO4:Apply and compare the performance of algorithms that use back tracking principle.CO5:Apply/implement algorithm design techniques and data structures to solve real world problems. |
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