|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | PO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex Problems |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | PSO2:Problem Solving Skill |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | CO1:Analyze the complexity of recursive and non-recursive algorithms. CO2:Design algorithmic steps to provide solution for a given problem. CO3:Apply different technique to obtain optimal solution for real world problems. CO4:Identify practical problem as P or NP to provide approximate solutions. CO5:Design parallel algorithms for a given problem.  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

