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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and****Tool** | **Cross-cutting issues****integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | SYSTEM SOFTWARE AND OPERATING SYSTEMS LABORATORY | 1. The goal of this course is to have students understand and appreciate the principles in the design and implementation of operating systems software. Lab Course Outline: Introduction to operating systems concepts, process management, memory management, file systems, virtualization, and distributed operating systems.
2. An Operating System (OS) is an interface between a computer user and computer hardware. An operating system is a software which performs all the basic tasks like file management, memory management, process management, handling input and output, and controlling peripheral devices such as disk drives and printers.

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 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool Usage |  |
|  |  | PO12: Life-longLearning. |
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|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
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|  |  | **CO1:Implement** various problems using LEX and YACC tool**CO2:Implement** parsing techniques using YACC/C language for the grammars and Parse the given input string.**CO3:Implement** the program in C/JAVA language to generate machine codes for the input statement.**CO4:Implement**C/C++/JAVA program to simulate various operating system algorithms. |
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