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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.   . | 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 |  |
|  |  | PO12: Life-long  Learning. |
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|  |  | PSO1:Professional Skills  PSO2: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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