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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | OPERATING SYSTEMS | 1 .An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all of the other application programs in a computer. The application programs make use of the operating system by making requests for services through a defined application program interface (API).  2. The operating system (OS) is the system software used to manage the computer's software, hardware, and resources. The OS is needed to coordinate common services and provide a user interface for interacting with the program and hardware. Operating systems are important since we can't use computers without them.  3.An operating system has three main functions: (1) manage the computer's resources, such as the central processing unit, memory, disk drives, and printers, (2) establish a user interface, and (3) execute and provide services for applications software. | 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  PO10:COMMUNICATION  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | entrepreneurship |
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|  |  | CO1:Explain the fundamentals of OS and process management concepts.  CO2:Apply suitable technique for process scheduling and understand the concept of synchronization  CO3:Understand and apply methods for handling deadlocks and memory management strategies.  CO4:Understand the concept of virtual memory management and file systems.  CO5:Understand the concepts of secondary storage structures and Linux OS using case studies. |
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