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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 |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
|  |  | CO1: Identify the functions, structures, and history and design issues associated with the operating systems.  CO2: Apply various process scheduling algorithms for process management.  CO3: Illustrate the concepts of process synchronization and methods to handle Deadlocks.  CO4: Analyze virtual memory techniques and page replacement algorithms.  CO5: Demonstrate the design principles of Linux operating systems & file systems |
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