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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and****Tool** | **Cross-cutting issues****integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | UNIX PROGRAMMING | * A shell script is a program that is used to perform specific tasks. Shell scripts are mostly used to avoid repetitive work. You can write a script to automate a set of instructions to be executed one after the other, instead of typing in the commands one after the other n number of times
* Shell provides users with an interface and accepts human-readable commands into the system and executes those commands which can run automatically and give the program's output in a shell script. A Kernel is at the nucleus of a computer. It makes the communication between the hardware and software possible
* The many advantages include easy program or file selection, quick start, and interactive debugging. A shell script can be used to provide a sequencing and decision-making linkage around existing programs, and for moderately sized scripts the absence of a compilation step is an advantage.
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Talk method1. PPT
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 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool Usage |  |
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|  |  | PSO1:Professional Skills |
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|  |  | **CO1:Explain** the architecture, and **Use** of basic commands and types in UNIX.**CO2:Understand and Analyse** how to view and modify file permissions, **Implement** various connecting commands used in UNIX such as grep, egrep and also perform pattern matching and also **Design** various shell scripts for a given problem. **CO3:Elucidate** UNIX File System and different UNIX File types and also **Implement** various process commands and process relationships**CO4:Implement** Inter-process communications using the various methods like Pipes, FIFO and Message Queues**CO5:Explain** the various UNIX signals with programs and Characteristics of Daemon Process.  |
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