



Computer Science Paper VII
Practical Course Based on Operating system-I
[Discipline Specific Course]

Semester: V

Credits: 2

Subject Code: BSP52207

Lectures: 36

Course Outcomes:

At the end of this course, the learner will be able to:

- Implement Process synchronization through simulation
- Implement Processes and Thread Scheduling by operating system using simulation
- Implement Memory management by operating system using with the help of various schemes using simulation

● Assignment 1: Operations on processes (Create a child process using fork() and commands like exec(), execv() and execvp())	2
● Assignment 2: Simulation of Operating System Shell and its working (commands)	2
● Assignment 3: Simulation of CPU Scheduling Algorithms – FCFS, SJF, Priority and Round Robin	16
● Assignment 4: Simulation of demand paging using memory page replacement algorithms – FIFO, LRU, OPT	16

Board of Studies	Name	Signature(in white cell)
Chairperson (HoD)	Ms. Ashwini Kulkarni	<i>Alka</i> 14/8/21
Faculty	Ms. Ashwini Kulkarni	<i>Alka</i> 14/8/21
Faculty	Ms. Alka Kalhapure	<i>Alka</i> 24/08/21
Subject Expert (Outside SPPU)	Prof. Mr. Aniket Nagane	<i>Aniket</i> 24/08/21
Subject Expert (Outside SPPU)	Dr. Manisha Divate	<i>Manisha</i> 24/08/21
VC Nominee	Dr. Manisha Bharambe	<i>Manisha</i> 24/08/21
Industry Expert	Ms. Snehal Biyala	<i>Snehal</i> 14/8/21
Alumni	Ms. Mamta Choudhary	<i>Mamta</i> 14/8/21

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