# **SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**PRACTICAL FILE**

**Operating Systems [BTCS203N]**

**Submitted to: Submitted by:** Prof. GYANESH SAVITA UTKARSH PATHAK

CS-L 1st YEAR/2ND SEM

22100BTCSE11830

**SESSION: 2022-2023**

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| **S. No.** | **Name of Experiment** | **Page No.** | **Date of Submission** | **Sign /Remark** |
| 1. | Implement and update the BIOS settings of your PC. | 1-7 | 15-03-2023 |  |
| 2. | Implement the scheduling for that where CPU give chance to complete those process first, which comes first.. | 8-10 | 29-03-2023 |  |
| 3. | Implement Non Preemptive Shortest Job first CPU Scheduling. | 11-14 | 05-04-2023 |  |
| 4. | Implement Non Preemptive Priority CPU Scheduling. | 15-18 | 12-04-2023 |  |
| 5. | Implement Round-Robin CPU scheduling. | 19-22 | 26-04-2023 |  |
| 6. | To Write a C program to simulate producer-consumer problem using Semaphores. | 23-25 | 10-05-2023 |  |
| 7. | To Write a C program to simulate the following contiguous memory allocation  techniques.   1. Worst Fit 2. Best Fit 3. First Fit | 26-32 | 24-05-2023 |  |
| 8. | To Write a C program to simulate disk scheduling algorithms.   1. FCFS 2. SCAN 3. C-SCAN | 33-41 | 14-06-2023 |  |