**List of Practicals**

**Subject: Operating System (BTCOL406) Academic Year: 2023-24**

Branch & Class: SE CSE

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| **Experiment number** | **Name of Experiment** |
| 1 | Installation of Ubantu Operating System. |
| 2 | To Study Basic UNIX Commands. |
| 3 | Shell programming for file handling. |
| 4 | Shell Script programming using the commands grep, awk, and sed. |
| 5 | Concurrent programming; use of threads and processes, system calls (fork and v-fork) |
| 6 | Study pthreads and implement the following: Write a program which shows the performance. |
| 7 | Improvement in using threads as compared with process. (Examples like Matrix Multiplication. |
| 8 | Implementation of various CPU scheduling algorithms (FCFS, SJF, Priority). |
| 9 | Implementation of various page replacement algorithms (FIFO, Optimal, LRU). |
| 10 | Implementation of Quick Sort, Merge sort. |
| 11 | Implementation of Bankers algorithm. |
| 12 | Implementation of Scheduling algorithms (FCFS, SCAN, SSTF, C-SCAN). |

**Subject Teacher HOD**