Indian Institute of Engineering Science and Technology, Shibpur.
IT Department , Session 2018 July- Dec

OPERATING SYSTEM LABORATORY

Assignment – 3

Date: 03.08.2018

1. Find out the context switch time and the time quantum on your system, programmatically.

2. Compare the average time for creation of threads with that of processes.

3. From the main threads, create a thread and detach it and show that it cannot be killed by other threads.

4. Investigate if you can bind two threads to two different cores of your processor and them in parallel.

5. Show that opened files are shared between thread and see whether the file pointer is also shared.

6. Design a scenario to show that the exit status of a thread can be reaped.

7. Illustrate the scenario of master thread and worker threads where each worker reads two lines from common file, displays them on the terminal and exits.