**Operating System and Design (19CS2106S)**

**Lab- 12**

**Pre-Lab:**

**Creating and Destroying Condition Variables**: pthread\_cond\_init (condition,attr) pthread\_cond\_destroy (condition)

**Waiting and Signaling on Condition Variables**: pthread\_cond\_wait (condition,mutex) pthread\_cond\_signal (condition) pthread\_cond\_broadcast (condition)

**In-Lab:**

Solve producer consumer problem using mutex, binary and counting semaphores, and condition variables.

**Post-Lab:**

Solve readers writer’s problem using mutex and semaphores