**Operating Systems**

**BESE-15 (A&B)**

**Assignment 1**

**Task-1**

Implement the two remedies in Dining Philosopher Problems as suggested in slides and book (Silberchatz)

**Task-2**

Solve the Dining Philosopher Problem using Monitor.

**Task-3**

Describe Bounded Buffer Problem in detail. You have to write the basic solution (that contains the synchronization errors) and solution using Semaphores and Monitors.

**Notes:**

1. Solutions of all above problems are given in your text book.
2. Assignment is to be submitted in hard copy to my office.
3. Assignment should be manually written (by pen). Printed assignments shall not be accepted.
4. There shall be quiz, and half the marks of assignment shall be given on basis of marks in that quiz
5. Deadline to submit assignment is 26th December, 2011.