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Allahabad-211004 [India]

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**Department of Computer Science and Engineering**

**Programme Name: B.Tech**      **Semester: VI Branch: Computer Science & Engg**  
**Course Code: CSN16400**      **Course Name: Distributed Systems**

**Experiment No. 2**

Experiment Description	
i)	There are two nodes A and B. Write a program to determine CPU load of node B from node A.
ii)	Write a server C program using shared memory and semaphore (server increments counter between <i>sem_wait()</i> and <i>sem_post()</i> ). Create shared memory using <i>mmap</i> .
iii)	Write a client C program that reads counter value between <i>sem_wait()</i> and <i>sem_post()</i> . Access shared memory using <i>open()</i> .