

## Department of Information Technology

### List of Experiments

**COURSE: Lab Practice –V**

**CLASS: B.E.**

**SEMESTER: SEM-VIII**

**COURSE CODE: 414454**

**FACULTY: PROF. A B GADEWAR**

**EXAMINATION SCHEME: PR&TW**

Sr. No.	Practical List	CO	PO	PSO
1	<b>Bridge the gap:</b> To develop application through implementing client-server communication programs based on Java Sockets	C406.2	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10	PSO1, PSO2
2	Implement multi-threaded client/server Process communication using RMI.	C406.2		
3	Develop any distributed application using CORBA to demonstrate object brokering. (Calculator or String operations).	C406.2		
4	Develop a distributed system, to find sum of N elements in an array by distributing N/n elements to n number of processors MPI or OpenMP. Demonstrate by displaying the intermediate sums calculated at different processors	C406.3		
5	Implement Berkeley algorithm for clock synchronization.	C406.3		
6	Implement token ring based mutual exclusion algorithm.	C406.3	PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10	PSO1, PSO2
7	Implement Bully and Ring algorithm for leader election.	C406.3		
8	Create a simple web service and write any distributed application to consume the web service.	C406.5		
9	<b>Mini Project (In group):</b> A Distributed Application for Interactive Multiplayer Games	C406.5		

**Name & Sign of Subject In-charge**  
PROF. A B GADEWAR

**H.O. D.**