**Academic Year:** 2021-2022 **Class/Branch**: BE-A & B/CMPN

**Subject:** CSC802: Distributed Computing Lab **Semester**: VIII

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| **Course Outcomes:** | |
| **CSC802.1:** | To Demonstrate knowledge of the basic elements and concepts related to distributed system technologies; |
| **CSC802.2:** | Illustrate the middleware technologies that support distributed applications such as RPC, RMI and Object based middleware |
| **CSC802.3:** | Analyze the various techniques used for clock synchronization and mutual exclusion problem |
| **CSC802.4:** | Demonstrate the concepts of Resource and Process management and synchronization algorithms |
| **CSC802.5:** | Demonstrate the concepts of Consistency and Replication Management |
| **CSC802.6:** | Apply the knowledge of Distributed File System to analyze various file systems like NFS, AFS and the experience in building large-scale distributed applications. |

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| **Sr. No** | **List of Experiment** | **CO mapped** |
| **1** | Client Server Implementation using Socket Programming | **CSC802.1** |
| **2** | Case study: Distributed OS | **CSC802.1** |
| **3** | Client Server Implementation using RMI | **CSC802.2** |
| **4** | Implementation of Clock Synchronization algorithm. | **CSC802.3** |
| **5** | Implementation of Election Algorithm. | **CSC802.3** |
| **6** | Implementation of Mutual Exclusion Algorithm. | **CSC802.3** |
| **7** | Implementation of Load Balancing Algorithm. | **CSC802.4** |
| **8** | Case study: Distributed File System | **CSC802.6** |
| **9** | Implement Deadlock management in Distributed systems | **CSC802.3** |
| **10** | Implement Group Communication | **CSC802.5** |

**Faculty In-charge: Faculty In-charge:**

Mr.Shamsuddin Khan Mr. Sachin More

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