Logo, company name

Description automatically generated

**Manav Rachna International Institute of Research and Studies**

Faculty of Engineering and Technology

**Department of Computer Science and Engineering**

**Assignment Sheet-2**

**Subject Name: Distributed Operating System Assignment number: 1**

**Subject Code: BCS-DS-726 Class / Semester: 7th**

**Max. Marks : 10 Time Allowed: 1 week**

|  |  |  |
| --- | --- | --- |
| **Q. No:**  Q.1.  Q.2.  Q.3.  Q.4.  Q.5.  Q.6. | Describe file system in distributed system. How can we implement semantics of file sharing in distributed file system?  Summarize how the client cache is being handled in distributed file system? Explain in the context of MACH OS.  Analyse few methods which can increase the performance of shared memory.  Explain strict sequential and casual consistency models, in detail. Why is the concept of “home memory” needed?  Discuss the following issues in context of page-based distributed shared memory:  i) Replication. ii) Achieving sequential consistency.  iii) Granularity. iv) Finding the copies.  Interpret how process management is achieved in MACH. Also state the various primitives used during the process management. | **Mapped Cos**  CO4, L5  CO4, L4  CO5, L4  CO5, L3  CO5, L2  CO6, L3 |

**Prepared By: Approved By:**

**Ms. Pronika Dr. Tapas Kumar**

**Course Teacher (Professor & HOD-CSE)**