**SRS**

**Title Of Assignment:**  Reader-Writer using OpenMP

**Problem Definition:** Write a program to implement Reader-Writer problem using OpenMP

Scope:

**Functional Requirement:**

Functional requirements are the requirements which are defined by the customer or end user. These requirements are mentioned by customer.

* One Writer can Write at a time.
* The Resource should be share among different Readers.
* The Resource sharing
* No. of Readers should be Read.

**Non functional requirement:**

Non-functional requirements are the requirements which Developer has to mention. These Requirements are not given by the customer or the user But Developer has to mention to increase the effectiveness of the software.

* Resource Sharing Should not be in Waiting state for long time.
* Deadlock or unsafe condition should be avoided.
* Starvation of reader-writer should be avoided.
* Deadlock for Reading or Writing data should have to protect.
* The updated Data should be shared between processes.

**Constraints:**

* Variable should be Shared.

**Conclusion:**

Thus, we have successfully created SRS document for reader-writer using OpenMP.