**PARUL UNIVERSITY**

**Parul Institute of Computer Application**

**Basic Software Engineering – 05101253/05301253**

**Semester - 3**

**Case Study Example: Online Library System (OLS)**

**Practical 2:** To develop SRS

**SRS:** It stands for the Software Requirements Specification. It is a description of a Software system to be developed. SRS contains following requirements.

1. Functional Requirements
2. Non-Functional Requirements
3. **Functional Requirements**

* User Verification
* User verification is the first task of the System
* Then it allows to read books
* Book Type Choice
* When user will successfully login then he/she have to choose which type of book they want to read.
* Then System will provide that book if system have that book.

1. **Non-Functional Requirements:**

* **Security:** System will provide the security by keeping their privacy.
* **Backup:** System will also back up the user data that helps system to recover from any type of crash.
* **Performance:** Medium
* **System must be easy to use.**

**Other Requirements:**

**Minimum Hardware Requirements:**

* **Ram:** 2GB or more
* **Hard Disk/SSD:** 50GB
* **Processor:** intel i3 or more
* **Monitor**
* **Keyboard:**
* **Mouse:**

**Minimum Software Requirements**

* **OS:** Windows 8 or above or any Linux OS
* **Front End:** HTML and CSS
* **Back End:** PHP, MySQL or MongoDB or RootmySql
* **Server:** XAMPP and online storage