



## **School of Computing**

**SRM IST, Kattankulathur – 603 203**

**Course Code: 18CSC206J**

**Course Name: Software Engineering and Project Management**

<b>Experiment No</b>	3
<b>Title of Experiment</b>	System, Functional and Non-Functional Requirements of the Project
<b>Name of the candidate</b>	Shaurya Singh Srinet
<b>Team Members</b>	Shounak Chandra, Parth Galhotra
<b>Register Number</b>	RA2111032010006, RA2111032010026, RA2111032010029
<b>Date of Experiment</b>	7.2.23

### **Mark Split Up**

<b>S. No</b>	<b>Description</b>	<b>Maximum Mark</b>	<b>Mark Obtained</b>
1	Exercise	5	
2	Viva	5	
<b>Total</b>		<b>10</b>	

**Staff Signature with date**

**Aim**

To identify the system, functional and non-functional requirements for the project.

**Team Members:**

S No	Register No	Name	Role	
1	RA2111032010006	Shaurya Singh Srinet	Rep/Member	
2	RA2111032010026	Shounak Chandra	Member	
3	1	RA2111032010006	Shaurya Singh Srinet	Rep/Member
	2	RA2111032010006	Shounak Chandra	Member
	3	RA2111032010006	Parth Galhotra	Member

**Project Title:** Library Management System

**System Requirements:**

Requirement (#)	Requirement Specification	Department	Name of Business User / Project Team Member	Status
IR1	Development Machine with 6 GB Ram and 4 Cores	Technical Team	Shaurya Singh Srinet	Team Lead
IR2	Code Repository	Technical Team	Parth Galhotra	Team Member, Cross Platform
IR3	AWS S3 Bucket	Technical Team	Shounak Chandra	Team Member, Data Analytics
IR4	IDE – Visual Studio Code	Technical Team	All Members	Technical Team Members

**Non-Functional Requirements:**

<b>Requirement (#)</b>	<b>Category of NFR</b>	<b>Requirement Specification</b>	<b>Department</b>	<b>Name of Business User</b>	<b>Status</b>
NFR1	Performance	All pages should load within 3 seconds.	Department of Media	Mr. Alok Sharma	Editor in Chief
NFR2	Performance	Search should bring the results less than 7 seconds.	Business Development	Dr. Vivek Bindra	Business Coach
NFR3	Availability	Application should be available for 24x7.	Medical Consultancy	G.N.S Krishna Murthi	Medical Representative
NFR4	Accessibility	Should be easy to use for a 3rd party.	Management	Jivan Anand	Restaurant Owner
NFR5	Scalability	Database should be large enough to support many books.	Tourist	Paul Johnson	Traveller and Photographer
E1NFR1	Security	Should have security to ensure privacy of data.	N/A	Mrs. Das	Housewife

**Functional Requirements:**

<b>Requirement (#)</b>	<b>Requirement Specification</b>	<b>Department</b>	<b>Name of Business User</b>	<b>Status</b>
E1FR1	The system must be able to add delete and view books we should be able to search book based on book name.	Department of Media	Ms. Ankita Singh	Journalism
E1FR2	System must be able to enter issue information in the database. -System must be able to update number of books.	Resort Management	Mr. Anil Verma	Resort Manager
E1FR3	System should be able to recommend popular books available for purchase	Technical Team, XYZ	XYZ Software Solutions and Consultancy.	SDE 1

**Result:**

Thus, the requirements were identified and accordingly described.