

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	28 October 2022
Team ID	PNT2022TMID35425
Project Name	Project: Smart Lender – Applicant Credibility Prediction for Loan Approval.
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Applicant Registration	Registration through Form and Gmail.
FR-2	Applicant Confirmation	Confirmation via Email and OTP.
FR-3	Applicant Data export process	Application admin taking applicant data from the bank to be analyzed in web application.
FR-4	Applicant Data Management	Web portal admin will be able to add, edit, or erase applicants data or user data.
FR-5	Bank Data Management	Web Portal admin will be able to add, edit, or erase Bank data or eligibility criteria.
FR-6	Compliance requirements	Application might need to comply with several regulations. These could include data privacy and authentication, information security, transparency, and various other aspects. Document them in detail.
FR-7	Data Retention	Proposed application system handling archival, retrieval, and retention of historical data. Provide sufficient details concerning these are process.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The error rate of users submitting their details at the page mustn't exceed 10 percent.
NFR-2	Security	Authorization access scenarios and definitions, hand-over procedures for Student records between University.
NFR-3	Reliability	Physical and technical environment constraints including Integration and portability concerns.
NFR-4	Performance	Speed, reliability, and capacity of the system. The landing page supporting 5,000 users per hour Must provide less response time.

NFR-5	Availability	The web dashboard must be accessible 24/7.
NFR-6	Scalability	Horizontal scaling is provided by adding more machines to the pool of servers. Vertical scaling is achieved by adding more CPU and RAM to the existing machines.
NFR-7	Cultural and Political	Cultural, political, and legal factors affecting the system including best-practice standards, government regulations, professional standards, location specific policies and practices
NFR-8	Portability	A program running on Windows 10 must be able to run on Windows 11 without any change in its behaviour and performance.