

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

Date	03 October 2022
Team ID	PNT2022TMID36001
Project Name	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	User Requirement	using the credit score to determine loan eligibility and make loan approval predictions
FR-2	User Registration	Using a mobile number or a Gmail account, the user logs in or registers.
FR-3	User Confirmation	Sending an OTP to a user's phone number or email address will serve as confirmation.
FR-4	User Login	To login, enter the user's email address and password.
FR-5	Loan approval	For a statement, credibility information and supporting documentation must be submitted.
FR-6	Result	1.If approved, it displays the credit score as well as information on what needs to be done next. 2. If not approved, it explains why you were denied and are not eligible for the loan.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	If a consumer is qualified, they should be able to get a response from the bank acknowledging their loan application within seven days. If not, then the reason for rejection should be disclosed to the applicant.
NFR-2	<b>Security</b>	checks to see whether the customer has a history of fraud and that no third-party apps have stolen any of their data.
NFR-3	<b>Reliability</b>	Consumers should have solid credit and a consistent source of income.
NFR-4	<b>Performance</b>	The model can be trained using various machine learning techniques, which can improve system performance.

NFR-5	<b>Availability</b>	For people with high incomes and those who pledge to repay the large amount in a short amount of time, the loan will be easily accessible.
NFR-6	<b>Scalability</b>	The customer must be older than 21. Moreover, based on how well the consumer can manage this