

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

Date	20 October 2022
Team ID	PNT2022TMID01198
Project Name	Project - Smart lender Applicant credibility 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	Home Page	<ul style="list-style-type: none"><li>• Smart Lender Applicant Credibility description</li><li>• Information about Credibility details required for loan approval</li><li>• if new user , REGISTER</li><li>• if already exists, SIGN IN</li></ul>
FR-2	User Registration	Enter Mail Id and other personal details required for Registering
FR-3	User login	User Mail Id and Password for Login
FR-4	Loan Approval form	Credibility details should be entered for prediction
FR-5	Result	if Approved - It display the information about what is done to be next. if Not Approved - It display the information about what rejection criteria you 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 the customer is eligible,he/she should be able to receive the acknowledgement receipt for loan application within 7 days from the bank.If not,then he/she should be intimated with the reason for rejection.
NFR-2	<b>Security</b>	Check if the customer has any fraudulent history.
NFR-3	<b>Reliability</b>	Customer's financial status plays a crucial role.So the customer should have a good credit score.
NFR-4	<b>Performance</b>	By training the model using different ML algorithms ,the performance of the system can be increased.
NFR-5	<b>Availability</b>	The loan will be available easily to those persons who have high income and to those who assure to repay the high sum within short period of time.
NFR-6	<b>Scalability</b>	The customer should be between 21 to 60 age.And based on customer's capacity to handle their expenses.

