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

Date	03 October 2022
Team ID	PNT2022TMID35767
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	User Registration	1. Applicant Credibility description. 2. Information about Credibility details required for loan approval. 3. if new user, REGISTER . 4. if already exists, SIGNIN.
FR-2	User Registration	Enter Email Id ,phone number and other personal information to register in the application
FR-3	User Confirmation	Confirm users via sending OTP to their Email address 0r their phone number.
FR-4	User Login	Enter the user Email Id and the password to login.
FR-5	Loan Approval	Credibility details with their documents have to be submitted for prediction.
FR-6	Result	• If Approved - It displays the credit score and the information about what is done to be next. • If Not Approved - It displays the reason why you are rejected and 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	**Usability**	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	**Security**	Checks if the consumer has any fraudulent history and no data theft to any third party apps.
NFR-3	**Reliability**	Consumer should have good credit scores and stable source of income.
NFR-4	**Performance**	By training the model using different Machine Learning algorithms ,the performance of the system can be increased.

NFR-5	**Availability**	The loan will be easily available for those who have high income and to those who assure to repay the high sum within short period of time.
NFR-6	**Scalability**	The customer should be above the age of 21.And also based on customer's capacity to handle this.