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

| Date | 02November 2022 |
|---|---|
| Team ID | PNT2022TMID41056 |
| 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 Input | • Selecting the type of loan<br>• Filing the necessary details |
| FR-2 | Eligibility of Loan | • Loan Approval<br>• Loan Rejection |
| FR-3 | Check for approvable amount of loan | • Maximum Eligible loan Prediction |
| FR-4 | Chatbot | • Clarifying user's doubts. |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | • Easy to use and self-explaining website.<br>• Easy navigation between pages.<br>• Simple structure for faster access. |
| NFR-2 | **Reliability** | • Ensembling the outputs of various ML models. |
| NFR-3 | **Performance** | • Web Based Application.<br>• Ability to indicate user inputs of erroneous data types. |
| NFR-4 | **Availability** | • Application is available 24 / 7 as it is hosted on IBM cloud.<br>• Simple web browser is enough to access the website. |
| NFR-5 | **Scalability** | • Can be extended for other types of loans.<br>• Aadhar and PAN verification can also be implemented |