# Project Design Phase-II

**Solution Requirements (Functional & Non-functional)**

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID40198 |
| 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.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User interaction | User must be able to view the home page of the  website |
| FR-2 | User input | User must be able to enter all his details in the  fields. |
| FR-3 | Data verification | The data entered by the user should be in correct  format as required by the trained model |
| FR-4 | Retrieving Values | The application must be able to retrieve the values  present in the fields |
| FR-5 | Predicting | The most accurate model is chosen for prediction |
| FR-6 | Displaying the result | The prediction result is displayed in the User  Interface. |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The system must be easy to use. The user must  be able to enter their data easily. |
| NFR-2 | **Security** | Users’ data must not be misused. |
| NFR-3 | **Reliability** | The system should function without crashing. |

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|  |  | The system's reliability must be ensured |
| NFR-4 | **Performance** | The system must be able to withstand erroneous  data and provide suitable messages. |
| NFR-5 | **Availability** | The system must be available at all times. |
| NFR-6 | **Scalability** | The system should be open for future developments, such as creating a login and  storing data. |