**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 25 October 2022 |
| Team ID | PNT2022TMID51364 |
| Project Name | Car resale value Prediction |
| 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 | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Gather user data | A set of labelled or unlabelled dataset which contains buyer/seller data in it |
| FR-4 | User Profile | Personal details,Bank account,Pink slip, Person who is interested to buy a used car. |
| FR-5 | Car registration | Registering the car details. |
| FR-6 | Vehicle information | Collection of all vehicle classification through a website based on its class and model review given by car experts. |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | User friendly ui integrated with prediction model and simple to approach. |
| NFR-2 | **Security** | eradicate duplicate vehicle values and ignore scamming of reused values in different classes of vehicle. |
| NFR-3 | **Reliability** | Providing high reliability by predicting values for different types of cars. |
| NFR-4 | **Performance** | The model must neglect Dos and likewise it shows clear stress testing and allows more users to browse. |
| NFR-5 | **Availability** | The service of the server must be stable and available 24/7 as possible and updates of the server are taken on a regular basis of intervals. |
| NFR-6 | **Scalability** | Predicting values for different types of cars. |