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

| Date | 15 October 2022 |
|---|---|
| Team ID | PNT2022TMID44204 |
| Project Name | Project – Car resale value predition |
| 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<br>Registration through Gmail<br>Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | User Authentication | Confirmation for Email.<br>Confirmation for Passwords. |
| FR-4 | User Security | Strong passwords.<br>Two step verifications.<br>Updating device management. |
| FR-5 | User Performance | Official websites use.<br>Internet usage limitation.<br>Sharing informations. |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | Usability is the customer can know the resale car value using this platforam.Customer can also know about the seller details. |
| NFR-2 | **Security** | In this platforam the details of the customer,seller and car details are product safely. |
| NFR-3 | **Reliability** | The price of any car over the years depreciates and is dependent upon various factors that determine the resale value of the car. These factors range from year of purchase, make, model, kilometers driven and overall condition of the car. |
| NFR-4 | **Performance** | The main factors affecting a used vehicle's price are mileage and condition. Options, location, and color also playing a role.<br>The interest rate, the length of a contract and the size of a down payment. |

| NFR-5 | **Availability** | Each subsequent owner of a car will have paid less for it, and may in all probability, have treated it in line with how much they paid for it, rather than how much it cost new which shows the availability of the cars. |
| NFR-6 | **Scalability** | Broadly categorising, factors like brand name, age of car, fuel type, colour and kilometres driven are all that one needs to calculate the approximate value of a pre-owned car. |