

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID37290 |
| Project Name | Machine Learning based Vehicle Performance Analyzer |
| 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 and Car Registration | Registration through Website. |
| FR-2 | Entering the specs of the car | Obtaining the specs of the car. |
| FR-3 | Performance analysis | Analyzing the performance of the car. |
| FR-4 | Results of the analysis | Displaying the required result to the customer. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | Predicting the car's performance. |
| NFR-2 | Security | Providing base level security for the website. |
| NFR-3 | Reliability | Providing accurate performance values for the car. |
| NFR-4 | Performance | Enhancing performance by using efficient ML algorithm. |
| NFR-5 | Availability | Available to anyone and anytime. |
| NFR-6 | Scalability | Will be able to handle multiple users. |