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

Date	03 October 2022
Team ID	PNT2022TMID17819
Project Name	Trip Based Modelling of Fuel Consumption
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 and User Login	Registration through Form Registration through Gmail Login through Portal
FR-2	User Portal	Fuel prediction for a single vehicle Fuel prediction for multiple vehicles
FR-3	Output generation	Generating a report Visual representation of the report

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	An easy to use portal with an appealing User Interface. Users must be able to get their needed output easily from the portal.
NFR-2	**Security**	Each and every user provided with an unique username and password.
NFR-3	**Reliability**	The output of the model must be accurate and should be able to handle multiple requests.
NFR-4	**Performance**	After checking with multiple algorithms, a highly accurate ML model must be used for prediction.
NFR-5	**Availability**	Website must be portable and must be accessible 24*7.
NFR-6	**Scalability**	The generated report could be delivered to the user via their email.