

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

Date	03 October 2022
Team ID	PNT2002TMID49664
Project Name	Project -Trip based modelling of fuel consumption in fleet vehicles using machine learning
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	User dashboard	Enter the use details Change the password
FR-4	User select The category	Select Display Option click IBM,Doctor consultant,Logout ,Messenger.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">➤ Based on a formal analysis of user needs,nine recommended prototype FEDI component sets(FEDI-CS)werw created.➤ Thirteen participants completed three usability evaluation task.
NFR-2	Security	<ul style="list-style-type: none">➤ Fill up your gas tank and note the distance as indicated on the dashboard odometer .➤ The next time you fill up note the amount of fuel required,as listed on the pump display.
NFR-3	Reliability	<ul style="list-style-type: none">➤ Personally ,reliability is not really a big factor when choosing a car.➤ After all besides the obvious rust buckets most new cars have pretty much the same reliability.➤ It all boils down to how you take care of it.
NFR-4	Performance	<ul style="list-style-type: none">➤ Fuel economy is the distance travelled per unit volume of fuel used.➤ The higher values the more economic a vehicle is the more distance it can travel with a certain volume of fuel.

NFR-5	Availability	<ul style="list-style-type: none"> ➤ Initial usability and preference are important for a good display. ➤ However other aspects such as longer term motivation,engagement,with the display and potential.
NFR-6	Scalability	<ul style="list-style-type: none"> ➤ Participants preferred representational forms of fuel economy information as compared to text,although text may improve comprehensive.