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

Date	03 October 2022
Team ID	PNT2022TMID02318
Project Name	Project – Smart Faison Recommender System
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
FR-2	User Login	Authentication via registered username or registered email id and password.
FR-3	Category filters	Filters based on product features, theme based, region based etc.
FR-4	Storing of purchased History	To produce better recommendations
FR-5	Analysing stored data	From the analysis done the algorithm recommends appropriate recommendations relevant to user.
FR-6	Prioritizing recommendations during searches	Out of all filtered data the products that matches the most are ordered in with first or more priority.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Easy to understand and navigate for users of all age groups
NFR-2	**Security**	Strong firewalls set in the data warehouse for registered users to avoid data leak.
NFR-3	**Reliability**	Thorough research and authenticity if vendors validated before displaying their products as results ensures credibility.
NFR-4	**Performance**	Performance of the algorithm have to be evaluated continuously using metrics that shows the accuracy of the recommender.
NFR-5	**Availability**	Recommenders should be available to both desktop and phone users negating the OS of the device
NFR-6	**Scalability**	User-based auto-scale option without a lag or crash due to over loading