

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

Date	16 October 2022
Team ID	PNT2022TMID40151
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts
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	Safety Regulation	Specific Requirement on protection system
FR-4	Regulatory Guide	Endorse IEEE Industry standards Reflect to standards review plan
FR-5	IEEE Industry Standards	Specific SCM activities Change management Supplier control Tools, techniques and methodologies Provide some sample plans
FR-6	Configuration Management Process Area	Specific and generic goal Specific and generic practice Refer to other process area

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Human Factors, overall aesthetics, consistency, and documentation
NFR-2	Security	A system's ability to prohibit unauthorized access, usage, or behaviour modification while providing service to authorized users
NFR-3	Reliability	The ability to function at a specific moment or interval of time
NFR-4	Performance	The speed at which a system operates
NFR-5	Availability	The fraction of time that a system is usable

NFR-6	Scalability	The ability of a system to handle a growing amount of work
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