AI-powered Nutrition Analyzer for Fitness Enthusiasts

TEAM ID: **PNT2022TMID05625**

TEAM LEADER: **JASWANTH SOLAI V.N (1901058)**

TEAM MEMBER: **AMRIT S (1901009)**

ARJUN T (1901017)

DHANANJAY SIVAJI (1901032)

Functional & Non-Functional Requirements

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR - 1	Dataset	Uploading the dataset consists of variety of fruit images
FR - 2	Input Image	Analysing the image input provided by the user
FR - 3	Process	Testing the image by various convolution layers
FR - 4	Result	The nutrient content in the particular fruit is displayed

Non-Functional Requirements:

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

FR No	Non-Functional Requirement	Description
NFR - 1	Usability	The ways in which the system will accessible to users with particular or non-standard accessibility requirements
NFR - 2	Security	Extend to which data needs to be protected and kept confidential.
NFR - 3	Capacity	Ability to continue to function well as it changes in according to input that we give.
NFR - 4	Performance	Fast response is achieved.
NFR - 5	Availability	The minimum proportion of time given in online service hours that the service should be available.
NFR - 6	Scalability	Ability of the application to handle an increase in workload without performance degradation, or its ability to quickly enlarge.