TOPIC:

AI-Powered Nutrition Analyzer For Fitness Enthusiasts -

PNT2022TMID00967

SOLUTION REQUIREMENTS:

<u>FUNCTIONAL   REQUIREMENT:</u>

FOLLOWING ARE THE FUNCTIONAL REQUIREMENTS OF THE PROPOSED SOLUTION.

FUNCTION NUMBER	FUNCTIONAL REQUIREMENT	SUB REQUIREMENT
FN.NO-1	USER REGISTRATION/LOGIN	REGISTER AFTER OPENING THE APPLICATION
FN.NO-2	USER DETAIL	PROVIDE DETAIL ABOUT HEALTH STATUS AFTER REGISTRATION BY SELECTING AND SPECIFY ABOUT IT
FN.NO-3	CAPTURING IMAGE	CAPTURE THE IMAGE AND CHECK THE PARAMETERS OF THE CAPTURED IMAGE.
FN.NO-4	IMAGE PROCESSING	UPLOAD THE IMAGE FOR PROCESSING
FN.NO-5	IMAGE IDENTIFICATION	IDENTIFY THE FOOD OR DRINK PROVIDED IN THE IMAGE.
FN.NO-6	IMAGE DESCIPTION	PROVIDE THE NUTRITIONAL CONTENTS OF THE FOOD OR DRINK IDENTIFIED.

NON-FUNCTIONAL   REQUIREMENT:

FOLLOWING ARE THE NON-FUNCTIONAL REQUIREMENT OF THE PROPOSED SOLUTION

NON - FUNCTION NUMBER	NON-FUNCTIONAL REQUIREMENT	SUB REQUIREMENT
NFN.NO-1	USABILITY	DATASET OF ALL FOOD/DRINK TO IDENTIFY THE NUTRITIONAL CONTENT OF THE ITEM.
NFN.NO-2	SECURITY	THE INFORMATION AND THE HEALTH STATUS OF USER AND NUTRITIONAL DETAILS ABOUT FOOD ARE SECURED HIGHLY.
NFN.NO-3	RELIABILITY	THE IMAGE QUALITY IS IMPORTANT TO PROVIDE THE NUTRITIONAL DETAILS ABOUT FOOD
NFN.NO-4	PERFORMANCE	PERFORMANCE IS BASED ON THE FOOD THAT IS SCANED.
NFN.NO-5	AVAILABILITY	IT IS AVAILABLE FOR ALL THE USER TO DETECT THE NUTRITIONAL DETAILS ABOUT FOOD / DRINK.
NFN.NO-6	SCALABILITY	INCREASE THE PREDICTION OF NUTRITIONAL DETAILS IN THE FOOD.