PROJECT DESIGN PHASE-II

# DATA FLOW DIAGRAM

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| PROJECT NAME **AI-Powered Nutrition Analyzer for Fitness** |

SIMPLIFIED DATA FLOW:



USER

LOGIN

CAPTURE AND

UPLOAD THE FOOD IMAGE

DIET PLAN

NUTRITION IN FOOD

QUALITY TEST

AI DATABASE

->The application starts from the user login the user must enter their mail id and the password to use the nutritional analyzer.

->The next step is user should capture the food and upload the food in the specified capture image icon.

->The third step is click the “Analyze Food” and wait for sometimes the AI database process the image.

->The tool figuring out image and page automatically give the information about Food such that the quality of the food, nutrition then issue the diet and fitness plan for the User.

# DFD LEVEL 0:

User login



User account

Capture the image

Maintenance Fitness reports

AI POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

Upload image operator

Vitamins and nutrients in the food

Process the data Using AI database

Quality test operator