

AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIAST

IDEA:

In this project we are going to deal with the nutrition analysis in order to help the fitness enthusiast. The major problem all the enthusiast feel is that they can't able to afford all the facility in same app or in the same website or same interface. Through this project we can able to help the enthusiast to get all the site access and all calculation on body measure and all diet plan, fitness plan expert advice, etc.

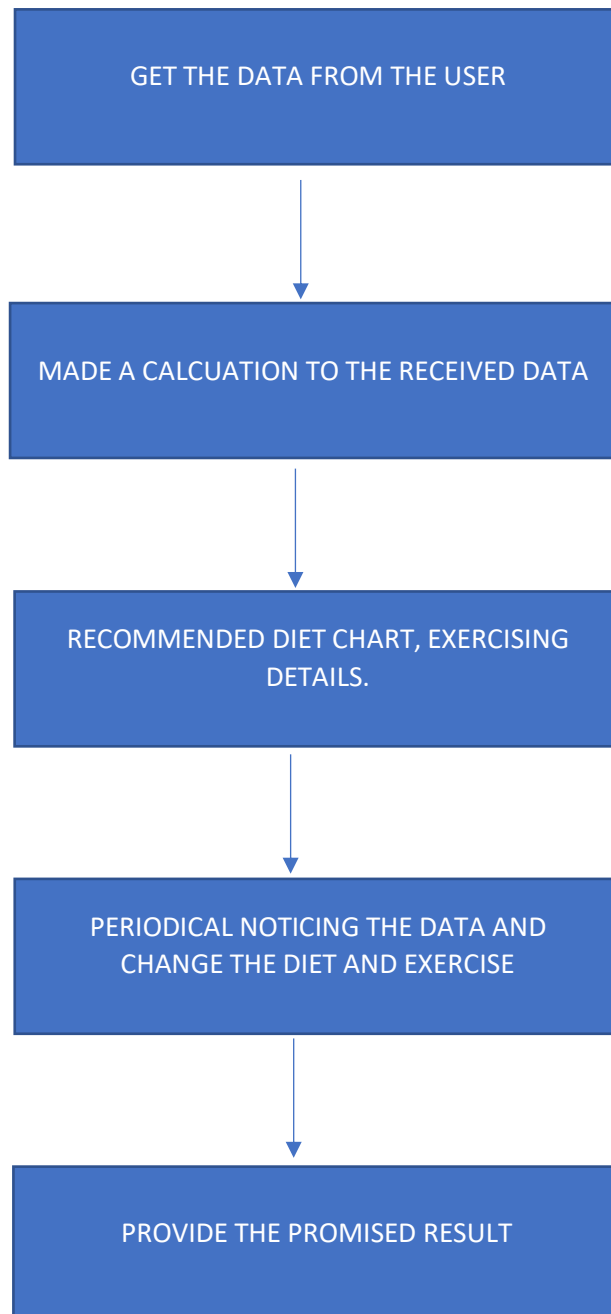
In this project we get the current condition of the person through the app and then through the inbuilt function we can able to calculate the BMI of the body and through that they will see the advisory diet plan and exercise chart and then they will provide with dietician details in order to clear the doubts. In this way we can able to make the people to get all the things in single place.

Through this app we can also make sure that all the available fitness center near by them and they can able to provide the details where they can buy the fitness food with the cheap cost.

We can use the convolutional neural network with the hidden layer in order to provide the value with the layer dimension and more diet plan with the proper advantage.

The most wondering thing is that the robot operates based on this and through this process we can make sure that we will get 99.9% efficiency because no one will produce 100% perfect result.

FLOW OF THE PROCESS:



EXPLANATION OF THE FLOW CHART:

As per the flow first we need to collect the data from the user on their weight and height and then their photo.

Then we should use the neural network in order to find the photo analysis in which we can able to figure him out and we can calculate the reducing measures using the hidden layer already we designed using the rely and sigmoid function.

Then we should calculate the BMI and based on that we can able to create the actual figure reducing diet and the exercising chart.

This BMI calculation is done by basic python function that consist of the formula $\text{weight}/\text{height}^2$.

After the calculation we should whether the value lies between the range of 19.5 to 23.5. if the body lies between the range, then there will be result for only shaping the body will be generated.

Otherwise, the diet chart and the exercise plan for the not only figuring the body but also for the reducing weight will be displayed.

If there is any doubt in the send menu or any chart plan then the advisory plan for them will be provide by the dietician which we arranged and then they can contact him through the number or chat option displayed.

At last, if the customer can able to find out where we can get the diet food and equipment in low cost will also be referred.

Finally, the promised result will be provided within the time span we have allotted.