

Model Building

Test The Model

Title	AI powered nutrition analyzer for fitness enthusiasts
College Name	AVS College of Technology
Team Id	PNT2022TMID42147

Test The Model:

```
In [22]: from tensorflow.keras.models import load_model  
         from tensorflow.keras.preprocessing import image  
         import numpy as np
```

```
In [23]: img = image.load_img("C:/Malar/IBM Stuff/Project and Design Phase/Data Set/Data Set/train/ORANGE/0_100.jpg",target_size= (64,64))  
         img
```

Out[23]: 

```
In [24]: x=image.img_to_array(img)
```

```
In [25]: x
```

```
Out[25]: array([[241., 255., 254.],  
                [250., 255., 255.],  
                [255., 253., 255.],  
                ...,  
                [255., 255., 255.],  
                [255., 255., 255.],  
                [255., 255., 255.]],  
               [[250., 255., 255.],  
                [255., 254., 255.],  
                [255., 252., 252.],  
                ...,  
                [255., 255., 255.],  
                [255., 255., 255.],  
                [255., 255., 255.]],  
               [[255., 253., 255.],  
                [255., 253., 250.],  
                [255., 253., 249.],  
                ...,  
                [255., 255., 255.],  
                [255., 255., 255.],  
                [255., 255., 255.]])
```

