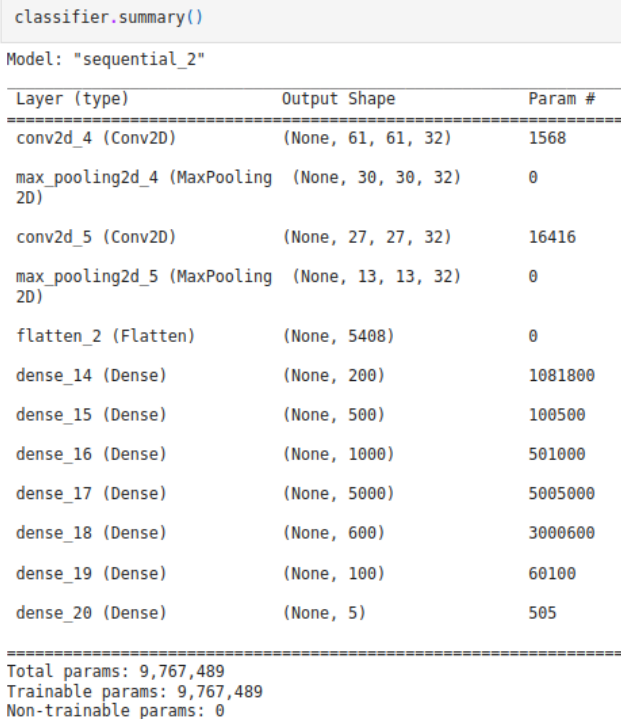



## Project Development Phase Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID40443
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	10 Marks

### Model Performance Testing:

S. N o.	Parameter	Values	Screenshot
1	Model Summary	Total params: 9,767,489 Trainable params: 9,767,489 Non-trainable params: 0	 <pre> classifier.summary()  Model: "sequential_2" Layer (type)                Output Shape              Param # ----- conv2d_4 (Conv2D)           (None, 61, 61, 32)       1568 max_pooling2d_4 (MaxPooling2D) (None, 30, 30, 32)       0 conv2d_5 (Conv2D)           (None, 27, 27, 32)       16416 max_pooling2d_5 (MaxPooling2D) (None, 13, 13, 32)       0 flatten_2 (Flatten)         (None, 5408)              0 dense_14 (Dense)            (None, 200)               1081800 dense_15 (Dense)            (None, 500)               100500 dense_16 (Dense)            (None, 1000)              501000 dense_17 (Dense)            (None, 5000)              5005000 dense_18 (Dense)            (None, 600)               3000600 dense_19 (Dense)            (None, 100)               60100 dense_20 (Dense)            (None, 5)                 505 ----- Total params: 9,767,489 Trainable params: 9,767,489 Non-trainable params: 0 </pre>
2	Accuracy	Training Accuracy - 98.18  Validation Accuracy - 92.38	 <pre> Epoch 93/100 138/138 [=====] - 16s 119ms/step - loss: 0.0898 - accuracy: 0.9689 - val_loss: 0.5588 - val_accuracy: 0.9285 Epoch 94/100 138/138 [=====] - 16s 118ms/step - loss: 0.0781 - accuracy: 0.9772 - val_loss: 0.3574 - val_accuracy: 0.9254 Epoch 95/100 138/138 [=====] - 16s 119ms/step - loss: 0.0499 - accuracy: 0.9842 - val_loss: 0.4568 - val_accuracy: 0.9285 Epoch 96/100 138/138 [=====] - 16s 118ms/step - loss: 0.0678 - accuracy: 0.9796 - val_loss: 0.3870 - val_accuracy: 0.9278 Epoch 97/100 138/138 [=====] - 17s 120ms/step - loss: 0.0638 - accuracy: 0.9818 - val_loss: 0.3156 - val_accuracy: 0.9270 Epoch 98/100 138/138 [=====] - 16s 119ms/step - loss: 0.0475 - accuracy: 0.9854 - val_loss: 0.4149 - val_accuracy: 0.9278 Epoch 99/100 138/138 [=====] - 16s 118ms/step - loss: 0.0431 - accuracy: 0.9852 - val_loss: 0.3842 - val_accuracy: 0.9221 Epoch 100/100 138/138 [=====] - 16s 118ms/step - loss: 0.0566 - accuracy: 0.9838 - val_loss: 0.4653 - val_accuracy: 0.9238 </pre>