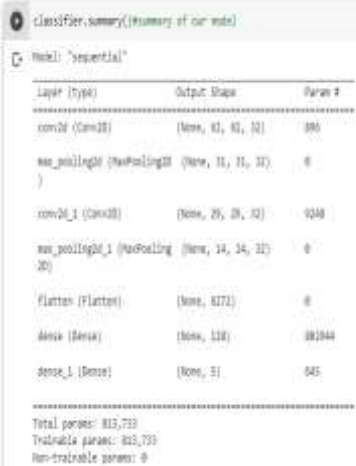


Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID13691
Project Name	Project – AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	<pre> classifier.summary() #summary of our model classifier = Sequential() classifier.add(Conv2D(32, (3, 3), input_shape=(64, 64, 3), activation='relu')) classifier.add(MaxPooling2D(pool_size=(2, 2))) classifier.add(Conv2D(32, (3, 3), activation='relu')) classifier.add(MaxPooling2D(pool_size=(2, 2))) classifier.add(Flatten()) classifier.add(Dense(units=128, activation='relu')) classifier.add(Dense(units=5, activation='softmax')) # softmax for more than 2 </pre>	 <pre> classifier.summary() #summary of our model Model: "sequential" Layer (type) Output Shape Param # ----- conv2d (Conv2D) (None, 32, 32, 32) 996 max_pooling2d (MaxPooling2D) (None, 16, 16, 32) 0 conv2d_1 (Conv2D) (None, 32, 32, 32) 9348 max_pooling2d_1 (MaxPooling2D) (None, 16, 16, 32) 0 flatten (Flatten) (None, 8176) 0 dense (Dense) (None, 128) 105984 dense_1 (Dense) (None, 5) 545 ----- Total params: 115,739 Trainable params: 115,739 Non-trainable params: 0 </pre>

2.	Accuracy	<p>Training Accuracy – #performing data augmentation to train data x_train = train_datagen.flow_from_directory(r'/content/MyDrive/Colab Notebooks/Dataset/TRAIN_SET', target_size=(64, 64), batch_size=5, color_mode='rgb', class_mode='sparse') Validation Accuracy – #performing data augmentation to test data x_test = test_datagen.flow_from_directory(r'/content/MyDrive/Colab Notebooks/Dataset/TEST_SET', target_size=(64, 64), batch_size=5, color_mode='rgb', class_mode='sparse')</p>	<pre>#performing data augmentation to train data x_train = train_datagen.flow_from_directory(r'/content/drive/MyDrive/Colab Notebooks/Dataset/TRAIN_SET', target_size=(64, 64), batch_size=5, color_mode='rgb', class_mode='sparse') #performing data augmentation to test data x_test = test_datagen.flow_from_directory(r'/content/drive/MyDrive/Colab Notebooks/Dataset/TEST_SET', target_size=(64, 64), batch_size=5, color_mode='rgb', class_mode='sparse')</pre> <p>Found 2026 images belonging to 5 classes. Found 1388 images belonging to 5 classes.</p>
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