Project Development Phase Model Performance Test

Date	14 September 2022
Team ID	EXT2023TMID592333
Project Name	Microbe Mapper: Visual Recognition Of Micro-Organisms
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	Total params: 23851784 (90.99 MB)	Summary of the Model				
			<pre>model.summary() Model: "inception_v3"</pre>				
		Trainable params:		[(None, 299, 299, 3)]	0	[]	
		23817352 (90.86 MB)		(None, 149, 149, 32)		['input_2[0][0]']	
			batch_normalization_94 (Ba tchNormalization)	(None, 149, 149, 32)	96	['conv2d_94[0][0]']	
		Non-trainable	activation_94 (Activation)	(None, 149, 149, 32)	0	['batch_normalization_94[0][0]	
		params: 34432	conv2d_95 (Conv2D)	(None, 147, 147, 32)	9216	['activation_94[0][0]']	
		(134.50 KB)	batch_normalization_95 (Ba tchNormalization)	(None, 147, 147, 32)	96	['conv2d_95[0][0]']	
			activation_95 (Activation)	(None, 147, 147, 32)	0	['batch_normalization_95[0][0]	
			conv2d_96 (Conv2D)	(None, 147, 147, 64)	18432	['activation_95[0][0]']	
			batch_normalization_96 (BatchNormalization)	(None, 147, 147, 64)	192	['conv2d_96[0][0]']	
			activation_96 (Activation)	(None, 147, 147, 64)	0	['batch_normalization_96[0][0]	
			batch_normalization_187 (B atchNormalization)	(None, 8, 8, 192)	576	['conv2d_187[0][0]']	
			activation_179 (Activation)	(None, 8, 8, 320)	0	['batch_normalization_179[0][0]']	
			mixed9_1 (Concatenate)	(None, 8, 8, 768)	0	['activation_181[0][0]', 'activation_182[0][0]']	
			<pre>concatenate_3 (Concatenate)</pre>	(None, 8, 8, 768)	0	['activation_185[0][0]', 'activation_186[0][0]']	
			activation_187 (Activation)	(None, 8, 8, 192)	0	['batch_normalization_187[0][0]']	
			mixed10 (Concatenate)	(None, 8, 8, 2048)	0	['activation_179[0][0]', 'mixed9_1[0][0]', 'concatenate_3[0][0]', 'activation_187[0][0]']	
			avg_pool (GlobalAveragePoo ling2D)	(None, 2048)	0	['mixed10[0][0]']	
			predictions (Dense)	(None, 1000)	2049000	['avg_pool[0][0]']	
			Total params: 23851784 (90.9 Trainable params: 23817352 (Non-trainable params: 34432	9 MB) 90.86 MB)			

2.	Accuracy	Training Accuracy - 97.68 Validation Accuracy - 72.00	Downloading data from https://storage.googleapis.com/tensorflow/keras-applications/inception_v3/inception_v3_weights_tf_dim_or dering_tf_kernels_notop.hs ### S7910988 [===================================
3.	Confidence Score (Only Yolo Projects)	Class Detected - NA Confidence Score - NA	Not Applicable

Screenshot:

Model Summary

Accuracy