

Project Development Phase

Model Performance Test

Date	03 November 2023
Team ID	PNT2022TMID591889
Project Name	Project - Dog Breed Identification using Transfer Learning
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	<div>Model: "sequential"</div> <div><table><thead><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr></thead><tbody><tr><td colspan="3">=====</td></tr><tr><td>NASNet (Functional)</td><td>(None, 11, 11, 4032)</td><td>84916818</td></tr><tr><td colspan="3">=====</td></tr><tr><td>global_average_pooling2d (GlobalAveragePooling2D)</td><td>(None, 4032)</td><td>0</td></tr><tr><td colspan="3">=====</td></tr><tr><td>dropout (Dropout)</td><td>(None, 4032)</td><td>0</td></tr><tr><td colspan="3">=====</td></tr><tr><td>dense (Dense)</td><td>(None, 120)</td><td>483960</td></tr><tr><td colspan="3">=====</td></tr><tr><td colspan="3">=====</td></tr><tr><td colspan="3">Total params: 85400778 (325.78 MB)</td></tr><tr><td colspan="3">Trainable params: 483960 (1.85 MB)</td></tr><tr><td colspan="3">Non-trainable params: 84916818 (323.93 MB)</td></tr></tbody></table></div>	Layer (type)	Output Shape	Param #	=====			NASNet (Functional)	(None, 11, 11, 4032)	84916818	=====			global_average_pooling2d (GlobalAveragePooling2D)	(None, 4032)	0	=====			dropout (Dropout)	(None, 4032)	0	=====			dense (Dense)	(None, 120)	483960	=====			=====			Total params: 85400778 (325.78 MB)			Trainable params: 483960 (1.85 MB)			Non-trainable params: 84916818 (323.93 MB)			<div>Model: "sequential"</div> <div><table><thead><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr></thead><tbody><tr><td colspan="3">=====</td></tr><tr><td>NASNet (Functional)</td><td>(None, 11, 11, 4032)</td><td>84916818</td></tr><tr><td colspan="3">=====</td></tr><tr><td>global_average_pooling2d (GlobalAveragePooling2D)</td><td>(None, 4032)</td><td>0</td></tr><tr><td colspan="3">=====</td></tr><tr><td>dropout (Dropout)</td><td>(None, 4032)</td><td>0</td></tr><tr><td colspan="3">=====</td></tr><tr><td>dense (Dense)</td><td>(None, 120)</td><td>483960</td></tr><tr><td colspan="3">=====</td></tr><tr><td colspan="3">=====</td></tr><tr><td colspan="3">Total params: 85400778 (325.78 MB)</td></tr><tr><td colspan="3">Trainable params: 483960 (1.85 MB)</td></tr><tr><td colspan="3">Non-trainable params: 84916818 (323.93 MB)</td></tr></tbody></table></div>	Layer (type)	Output Shape	Param #	=====			NASNet (Functional)	(None, 11, 11, 4032)	84916818	=====			global_average_pooling2d (GlobalAveragePooling2D)	(None, 4032)	0	=====			dropout (Dropout)	(None, 4032)	0	=====			dense (Dense)	(None, 120)	483960	=====			=====			Total params: 85400778 (325.78 MB)			Trainable params: 483960 (1.85 MB)			Non-trainable params: 84916818 (323.93 MB)		
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2.	Accuracy	Training Accuracy - 95.15% Validation Accuracy - 93.35%	<pre> train_mIoU = [0.9515] [.....] : 0.9515 val_mIoU = [0.9335] [.....] : 0.9335 </pre>
3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	