Project Development Phase Model Performance Test

Date	17 November 2022	
Team ID	PNT2022TMID31779	
Project Name	Digital Naturalist - AI Enabled tool for Biodiversity Researchers	
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: 22,109,990 Trainable params: 307,206 Non-trainable params: 21,802,784	Screenshot 1
2.	Accuracy	Training Accuracy - 92.8% Validation Accuracy - 85.6%	Screenshot 2

Screenshots - Please refer to the next page:

Screenshot 1:

```
activation_87 (Activation)
                                 (None, 5, 5, 384)
                                                                   ['batch_normalization_87[0][0]']
 activation 88 (Activation)
                                 (None, 5, 5, 384)
                                                      0
                                                                   ['batch_normalization_88[0][0]']
 activation_91 (Activation)
                                 (None, 5, 5, 384)
                                                                   ['batch_normalization_91[0][0]']
 activation_92 (Activation)
                                 (None, 5, 5, 384)
                                                                   ['batch_normalization_92[0][0]']
batch_normalization_93 (BatchN (None, 5, 5, 192) 576 ormalization)
                                                                   ['conv2d_93[0][0]']
 activation_85 (Activation)
                                                                   ['batch_normalization_85[0][0]']
                                 (None, 5, 5, 320)
                                                      0
                                                                   mixed9_1 (Concatenate)
                                 (None, 5, 5, 768)
                                                      0
 concatenate_1 (Concatenate)
                                 (None, 5, 5, 768)
                                                      0
                                                                   ['batch_normalization_93[0][0]']
 activation 93 (Activation)
                                 (None, 5, 5, 192)
                                                      0
 mixed10 (Concatenate)
                                 (None, 5, 5, 2048) 0
                                                                   ['activation_85[0][0]',
                                                                    'mixed9_1[0][0]',
'concatenate_1[0][0]',
'activation_93[0][0]']
 flatten (Flatten)
                                 (None, 51200)
                                                                   ['mixed10[0][0]']
                                                      0
                                                                   ['flatten[0][0]']
 dense (Dense)
                                 (None, 6)
                                                      307206
Total params: 22,109,990
Trainable params: 307,206
Non-trainable params: 21,802,784
```

Screenshot 2: