**MOBILENETV2**

Approximate size of the saved model(.h5 format) is between 18-19mb

**Skin cancer Dataset**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No of classes | Total Parameters | Trainable Parameters | Accuracy(5 epochs) | Accuracy(25 epochs) | Time Taken for 1 epoch |
| 3 | 3,572,803 | 1,314,819 | 72.92 | 79.17 | 3sec |
| 4 | 3,573,828 | 1,315,844 | 53.75 | 58.75 | 5sec |
| 5 | 3,574,853 | 1,316,869 | 50.0 | 51.16 | 7sec |
| 6 | 3,575,878 | 1,317,894 | 41.93 | 50.0 | 9sec |
| 7 | 3,576,903 | 1,318,919 | 39.77 | 46.90 | 12secs |
| 9 | 35,78,953 | 13,20,969 | 38.14 | 45.76 | 48sec |

Image resolution = (1024x1024).

Resized to (150x150)

**Intel Image Classification Dataset**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No of classes | Total Parameters | Trainable Parameters | Accuracy (5epochs) | Accuracy (10epochs) | Time Taken for 1 epoch |
| 3 | 3,572,803 | 1,314,819 | 99.18 | 99.18 | 16sec |
| 4 | 3,573,828 | 1,315,844 | 91.3 | 92.51 | 25sec |
| 5 | 3,574,853 | 1,316,869 | 91.08 | 91.26 | 33sec |
| 6 | 3,575,878 | 1,317,894 | 90.57 | 90.77 | 40sec |
| 7 | 3,576,903 | 1,318,919 | 90.10 | 90.97 | 48sec |

Image resolution = (150x150)