|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Take nos.** | **No. of Conv layers** | **optimizer** | **loss function** | **Activation function (in the FC Dense Layer)** | **Size of the input image** | **Batch size** | **Used Pre-trained model** | **Test Accuracy** |
| base\_model\_without\_bn | 6 | Adam | binary\_crossentropy | sigmoid | 128\*128 | 8 | no | 38% |
| base\_model\_with\_bn | 6 | Adam | binary\_crossentropy | sigmoid | 128\*128 | 8 | no | 60% |
| base\_model\_without\_bn | 6 | Adam | categorical\_crossentropy | softmax | 128\*128 | 8 | no | 39% |
| base\_model\_with\_bn | 6 | Adam | categorical\_crossentropy | softmax | 128\*128 | 8 | no | 56% |
| base\_model\_without\_bn | 6 | rmsprop | binary\_crossentropy | sigmoid | 128\*128 | 16 | no | 85% but not quite good at the end (37%) |
| base\_model\_with\_bn | 6 | rmsprop | binary\_crossentropy | sigmoid | 128\*128 | 16 | no | 82% |
| base\_model\_without\_bn | 8 | SGD(lr=1e-4, decay=1e-6, momentum=0.9) | binary\_crossentropy | sigmoid | 128\*128 | 16 | no | 73% |
| base\_model\_with\_bn | 8 | SGD (lr=1e-4, decay=1e-6, momentum=0.9) | binary\_crossentropy | sigmoid | 128\*128 | 16 | no | 76% |
| base\_model\_without\_bn | 8 | Adam | binary\_crossentropy | sigmoid | 150 \* 150 | 16 | no | 83% |
| base\_model\_without\_bn | 8 | SGD (lr=1e-3, momentum=0.9) | binary\_crossentropy | sigmoid | 128\*128 | 16 | no | 75% |