**Project Development Phase**

**Model Performance Test**

| Date | 20 November 2023 |
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| Team ID | Team-592288 |
| Project Name | Project -Weather Classification Using Deep Learning |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

| **S.No.** | **Parameter** | **Values** | **Screenshot** |
| --- | --- | --- | --- |
| 1. | Model Summary | **-Model: "model"**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Layer (type) Output Shape Param #**  **=================================================================**  **input\_1 (InputLayer) [(None, 180, 180, 3)] 0**    **block1\_conv1 (Conv2D) (None, 180, 180, 64) 1792**    **block1\_conv2 (Conv2D) (None, 180, 180, 64) 36928**    **block1\_pool (MaxPooling2D) (None, 90, 90, 64) 0**    **block2\_conv1 (Conv2D) (None, 90, 90, 128) 73856**    **block2\_conv2 (Conv2D) (None, 90, 90, 128) 147584**    **block2\_pool (MaxPooling2D) (None, 45, 45, 128) 0**    **block3\_conv1 (Conv2D) (None, 45, 45, 256) 295168**    **block3\_conv2 (Conv2D) (None, 45, 45, 256) 590080**    **block3\_conv3 (Conv2D) (None, 45, 45, 256) 590080**    **block3\_conv4 (Conv2D) (None, 45, 45, 256) 590080**    **block3\_pool (MaxPooling2D) (None, 22, 22, 256) 0**    **block4\_conv1 (Conv2D) (None, 22, 22, 512) 1180160**    **block4\_conv2 (Conv2D) (None, 22, 22, 512) 2359808**    **block4\_conv3 (Conv2D) (None, 22, 22, 512) 2359808**    **block4\_conv4 (Conv2D) (None, 22, 22, 512) 2359808**    **block4\_pool (MaxPooling2D) (None, 11, 11, 512) 0**    **block5\_conv1 (Conv2D) (None, 11, 11, 512) 2359808**    **block5\_conv2 (Conv2D) (None, 11, 11, 512) 2359808**    **block5\_conv3 (Conv2D) (None, 11, 11, 512) 2359808**    **block5\_conv4 (Conv2D) (None, 11, 11, 512) 2359808**    **block5\_pool (MaxPooling2D) (None, 5, 5, 512) 0**    **flatten (Flatten) (None, 12800) 0**    **dense (Dense) (None, 5) 64005**    **=================================================================**  **Total params: 20,088,389**  **Trainable params: 64,005**  **Non-trainable params: 20,024,384**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |  |
| 2. | Accuracy | Training Accuracy – 88.24   Validation Accuracy -70.0 |  |