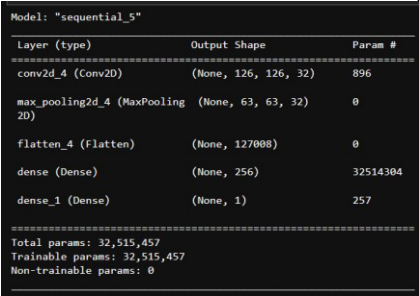
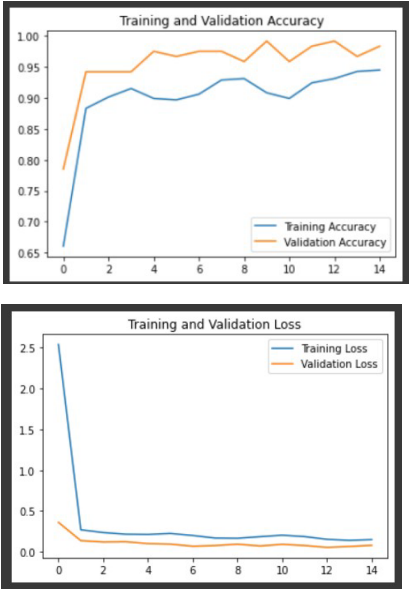


**Project Development  
Phase Model Performance  
Test**

Date	16 November 2022
Team ID	PNT2022TMID29883
Project Name	Emerging Methods for Early Detection of Forest Fires
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	<b>Total params : 32,515,457</b> <b>Trainable params : 32,515,457</b> <b>Non-trainable params : 0</b>	 <pre> Model: "sequential_5" Layer (type)                Output Shape              Param # ----- conv2d_4 (Conv2D)           (None, 126, 126, 32)     896 max_pooling2d_4 (MaxPooling (None, 63, 63, 32)       0 2D) flatten_4 (Flatten)         (None, 127008)           0 dense (Dense)               (None, 256)              32514304 dense_1 (Dense)             (None, 1)                257 ----- Total params: 32,515,457 Trainable params: 32,515,457 Non-trainable params: 0 </pre>
2.	Accuracy	<b>Training Accuracy – 94.50%</b>  <b>Validation Accuracy – 98.35%</b>	 <p>The top graph, titled 'Training and Validation Accuracy', shows accuracy on the y-axis (0.65 to 1.00) against epochs on the x-axis (0 to 14). The Training Accuracy (blue line) starts at approximately 0.65 and rises to about 0.945 by epoch 14. The Validation Accuracy (orange line) starts at approximately 0.78 and rises to about 0.9835 by epoch 14.</p> <p>The bottom graph, titled 'Training and Validation Loss', shows loss on the y-axis (0.0 to 2.5) against epochs on the x-axis (0 to 14). The Training Loss (blue line) starts at approximately 2.5 and drops sharply to about 0.2 by epoch 14. The Validation Loss (orange line) starts at approximately 0.3 and drops to about 0.1 by epoch 14.</p>