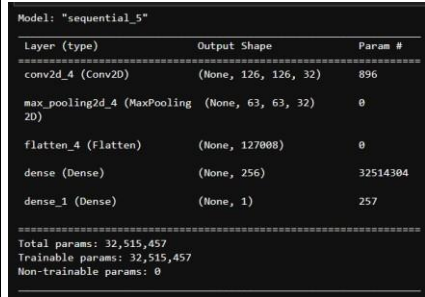
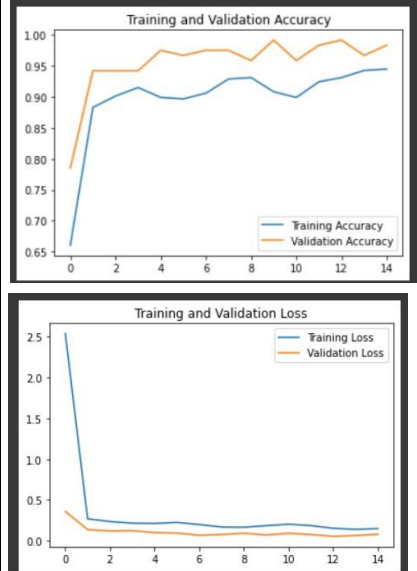


Project Development Phase Model Performance Test

Date	16 November 2022
Team ID	PNT2022TMID29437
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	Total params : 32,515,457 Trainable params : 32,515,457 Non-trainable params : 0	 <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	Training Accuracy – 94.50% Validation Accuracy – 98.35%	 <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). Training accuracy (blue line) starts at ~0.65 and rises to ~0.945. Validation accuracy (orange line) starts at ~0.78 and rises to ~0.9835.</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). Training loss (blue line) starts at ~2.5 and drops to ~0.1. Validation loss (orange line) starts at ~0.3 and drops to ~0.1.</p>