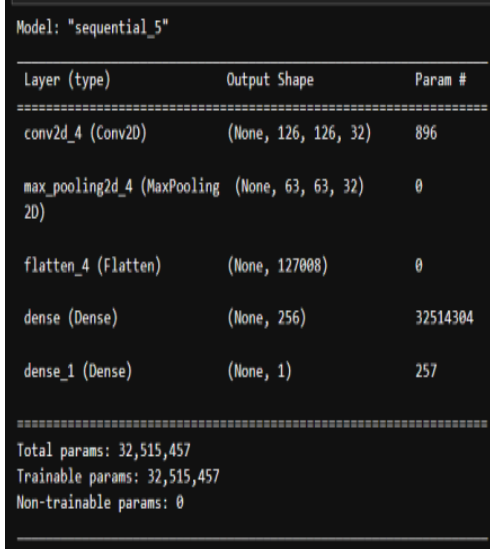
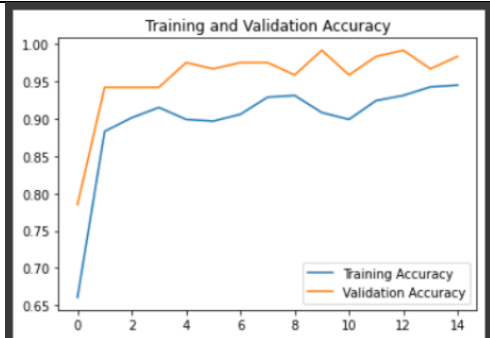


Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID30863
Project Name	Emerging methods for Early Detection of Forest Fire
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 graph shows training and validation accuracy over 14 epochs. The training accuracy (blue line) starts at approximately 0.65 and rises to about 0.94. The validation accuracy (orange line) starts at approximately 0.78 and rises to about 0.98. Both accuracies show some fluctuations but generally trend upwards.</p>

