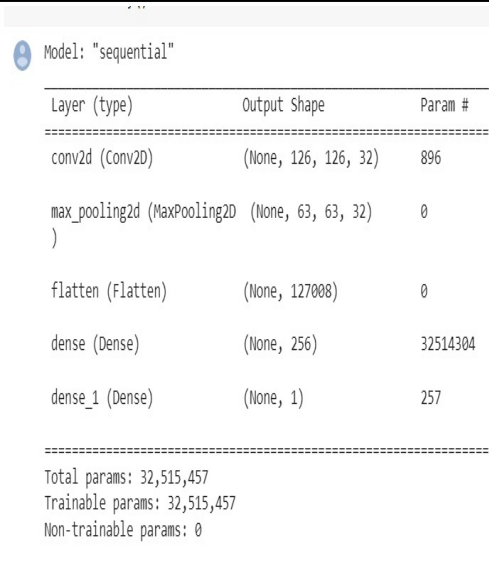



PERFORMANCE TESTING

Date	10 November 2022
Team ID	PNT2022TMID01211
Project Name	EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot																																																
1.	Model Summary	Model - Sequential model Layers: Conv2D-(None,62,62,32) MaxPooling2D-(None,31,31, 32) Flatten-(None,30752) Dense-(None,200) Dense_1 -(None,9)	 <pre>Model: "sequential" Layer (type) Output Shape Param # ----- conv2d (Conv2D) (None, 126, 126, 32) 896 max_pooling2d (MaxPooling2D) (None, 63, 63, 32) 0 flatten (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 - 0.94 Validation Accuracy -0.99	 <table><caption>Training and Validation Accuracy Data</caption><thead><tr><th>Epoch</th><th>Training Accuracy</th><th>Validation Accuracy</th></tr></thead><tbody><tr><td>0</td><td>0.60</td><td>0.85</td></tr><tr><td>1</td><td>0.80</td><td>0.85</td></tr><tr><td>2</td><td>0.88</td><td>0.97</td></tr><tr><td>3</td><td>0.92</td><td>0.98</td></tr><tr><td>4</td><td>0.93</td><td>0.98</td></tr><tr><td>5</td><td>0.92</td><td>0.97</td></tr><tr><td>6</td><td>0.94</td><td>0.98</td></tr><tr><td>7</td><td>0.93</td><td>0.96</td></tr><tr><td>8</td><td>0.93</td><td>0.98</td></tr><tr><td>9</td><td>0.92</td><td>0.97</td></tr><tr><td>10</td><td>0.93</td><td>0.96</td></tr><tr><td>11</td><td>0.94</td><td>0.99</td></tr><tr><td>12</td><td>0.93</td><td>0.99</td></tr><tr><td>13</td><td>0.94</td><td>0.99</td></tr><tr><td>14</td><td>0.94</td><td>0.99</td></tr></tbody></table>	Epoch	Training Accuracy	Validation Accuracy	0	0.60	0.85	1	0.80	0.85	2	0.88	0.97	3	0.92	0.98	4	0.93	0.98	5	0.92	0.97	6	0.94	0.98	7	0.93	0.96	8	0.93	0.98	9	0.92	0.97	10	0.93	0.96	11	0.94	0.99	12	0.93	0.99	13	0.94	0.99	14	0.94	0.99
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13	0.94	0.99																																																	
14	0.94	0.99																																																	
3.	Confidence Score (Only Yolo Projects)	Class Detected - N/A Confidence Score - N/A	N/A																																																