

Fire Accuracy

- Testing with 20% of the dataset that is 240 images.
(60% for Fire data, and 40% for Normal data (Non-Fire)).

CM		Predicted	
		1	0
Actual	1	128	16
	0	11	85

- Accuracy = $(TP+TN)/(TP+FP+FN+TN)$
 $= (128+58) / (128+11+16+85) = 88.75\%$
- Precision = $TP/(TP+FP)$
 $= 128 / (128+11) = 92.09\%$
- Recall = $TP/(TP+FN)$
 $= 128 / (128+16) = 88.89\%$
- F1Score = $2*((Precision*Recall) / (Precision+Recall))$
 $= 2*((92.09*88.89) / (92.09+88.89))$
 $= 90.46\%$