

Models So far.....

D (Defective)

ND (Non Defective)

Model	8 Fold Validation (Mean)		Test Set	
	D acc (%)	ND acc (%)	D acc (%)	ND acc (%)
Saswat Net	76.9	64.39	-	-
DN201 + ann	82.36	80	67	82
DN201 + conv	83.8	82.2	76	80
DN201 + conv2	84.727	81.3	83.05	74.64
Ensemble (VGG16 + DN121 + DN201)	75.84	72.5	66.1	87
DN201 + SVC	84.4	78.8	79.6	76.8

Saswat Net Fold Accuracies

# Fold	D acc (%)	ND acc (%)
1	100	0
2	77	83
3	100	0
4	0	100
5	81.35	89.83
6	77.9	93.2
7	100	0
8	79.6	84.7

Fold Formation for Saswatnet 8Fold Validation

472 samples

236 D

236 ND

Mutually Exclusive Subsets

0	1	2	3	4	5	6	7
59D0	59D	59D	59D	59ND	59ND	59ND	59ND

# FOLD	TRAIN (indices from above)	VAL (indices from above)
1	1+2+3+4+5+6	0+7
2	0+2+3+4+5+7	1+6
3	0+1+3+4+6+7	2+5
4	0+1+2+5+6+7	3+4
5	1+2+3+5+6+7	0+4
6	0+2+3+4+6+7	1+5
7	0+1+3+4+5+7	2+6
8	0+1+2+4+5+6	3+7