

Testing Date: 05/12/24

| Num | Conditions | Training Accuracy (seen) | Validation Accuracy (unseen) | Potential problem |
|-----|---|--------------------------|------------------------------|-------------------|
| 1 | Con2D Kernal size = 3 x 3 (32 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.5 Dense Layers = 128 Epochs = 20 | 91.18% | 42.71% | Overfitting |
| 2 | Con2D Kernal size = 5 x 5 (32 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.3 Dense Layers = 128 Epochs = 20 | 96.65% | 37.74% | Overfitting |
| 3 | Con2D Kernal size = 5 x 5 (32 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.4 Dense Layers = 128 Epochs = 20 | 95.81% | 38.28% | Overfitting |
| 4 | Con2D Kernal size = 5 x 5 (64 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.4 Dense Layers = 128 Epochs = 20 | 93.66% | 37.94% | Overfitting |
| 5 | Con2D Kernal size = 3 x 3 (32 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.6 Dense Layers = 128 Epochs = 20 | 89.30% | 43.12% | Overfitting |
| 6 | Con2D Kernal size = 5 x 5 (64 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.6 Dense Layers = 128 Epochs = 20 | 85.20% | 39.75% | Overfitting |
| 7 | Con2D Kernal size = 3 x 3 (32 filters) + Con2D Kernal size = 3 x 3 (64 filters) Dropout rate = 0.6 Dense Layers = 256 Epochs = 20 | 96.08% | 40.70% | Overfitting |

Condition not changed from previous

Condition changed from previous

AVG Accuracy: 40.03%

Highest Accuracy: 43.12% (Ref 5)