

Train Dataloader - 48
Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE_2
Feature Extraction - False
Data Augmentation - False
Spatial Temporal Loss - True
w1 - 1, w2 - 1e-05

Window Length = 8
Stride = 1
Fair Comparison = True
Dropout = 0.25
Learning Rate = 0.0002
Num Epochs = 20
Chunk Size = 64
Forward Chunk = 8
Forward Chunk Size = 8
Loss Fn = L1Loss()

Training has Begun
epoch [1/20], loss:0.0202
epoch [2/20], loss:0.0169
epoch [3/20], loss:0.0151
epoch [4/20], loss:0.0137
epoch [5/20], loss:0.0128
epoch [6/20], loss:0.0122
epoch [7/20], loss:0.0117
epoch [8/20], loss:0.0114
epoch [9/20], loss:0.0110
epoch [10/20], loss:0.0108
epoch [11/20], loss:0.0107
epoch [12/20], loss:0.0105
epoch [13/20], loss:0.0102
epoch [14/20], loss:0.0100
epoch [15/20], loss:0.0099
epoch [16/20], loss:0.0098
epoch [17/20], loss:0.0097
epoch [18/20], loss:0.0097
epoch [19/20], loss:0.0098

c:\Users\abdu1\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\ndarray.py:528: VisibleDeprecationWarning: Creating an ndarray from ragged nested sequences (which is a list-or-tuple of lists-or-tuples-or ndarrays with different lengths or shapes) is deprecated. If you meant to do this, you must specify 'dtype=object' when creating the ndarray.
arr = np.asanyarray(arr)

epoch [20/20], loss:0.0097
Training has Completed

Forward pass occuring
Forward pass completed

Thermal_T3_2024-03-20-10-53-44

STD Global Classification Results
TPR 0.903, FPR 0.348, Precision 0.040, Recall 0.903
tn 43287, fp 23102, fn 104, tp 968
std_AUROC 0.826

Mean Global Classification Results
TPR 0.798, FPR 0.256, Precision 0.048, Recall 0.798
tn 49378, fp 17011, fn 217, tp 855
mean_AUROC 0.830

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d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\functions.py:250: RuntimeWarning: Mean of empty slice
  final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance a
cross all videos
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```





