

Train Dataloader - 48
Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE
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 = SmoothL1Loss()

Training has Begun

epoch [1/20], loss:0.6010
epoch [2/20], loss:0.6007
epoch [3/20], loss:0.6005
epoch [4/20], loss:0.6004
epoch [5/20], loss:0.6003
epoch [6/20], loss:0.6003
epoch [7/20], loss:0.6002
epoch [8/20], loss:0.6002
epoch [9/20], loss:0.6002
epoch [10/20], loss:0.6002
epoch [11/20], loss:0.6002
epoch [12/20], loss:0.6001
epoch [13/20], loss:0.6001
epoch [14/20], loss:0.6001
epoch [15/20], loss:0.6001
epoch [16/20], loss:0.6001
epoch [17/20], loss:0.6001
epoch [18/20], loss:0.6001
epoch [19/20], loss:0.6001

```
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\npyio.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:0.6001
Training has Completed

Forward pass occurring
Forward pass completed

Thermal_T3_2024-03-13-14-02-07

STD Global Classification Results
TPR 0.812, FPR 0.172, Precision 0.071, Recall 0.812
tn 54952, fp 11437, fn 201, tp 871
std_AUROC 0.857

Mean Global Classification Results
TPR 0.823, FPR 0.217, Precision 0.058, Recall 0.823
tn 51986, fp 14403, fn 190, tp 882
mean_AUROC 0.840

```
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,
```





