```
Train Dataloader - 48
Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE
Feature Extraction - True
Background Subtraction - True
Background Subtraction Algorithm - GMG
Data Augmentation - False
Spatial Temporal Loss - False

Frame rate adjusted dataset - True

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

Training has Begun
epoch [1/20], loss:0.0006
epoch [2/20], loss:0.0003
epoch [3/20], loss:0.0002
epoch [4/20], loss:0.0002
epoch [5/20], loss:0.0001
epoch [6/20], loss:0.0002
epoch [7/20], loss:0.0002
epoch [8/20], loss:0.0001
epoch [9/20], loss:0.0001
epoch [10/20], loss:0.0001
epoch [11/20], loss:0.0001
epoch [12/20], loss:0.0001
epoch [13/20], loss:0.0001
epoch [14/20], loss:0.0001
epoch [15/20], loss:0.0001
epoch [16/20], loss:0.0002
epoch [17/20], loss:0.0001
epoch [18/20], loss:0.0001
epoch [19/20], loss:0.0001
epoch [20/20], loss:0.0001
Training has Completed

Forward pass occuring
Forward pass completed

Thermal_T3_2024-04-03-12-43-01

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STD Global Classification Results
TPR 0.785, FPR 0.183, Precision 0.072, Recall 0.785
tn 108267, fp 24178, fn 510, tp 1864
std_AUROC  0.854
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```

```
Mean Global Classification Results
TPR 0.812, FPR 0.218, Precision 0.063, Recall 0.812
tn 103609, fp 28836, fn 446, tp 1928
mean_AUROC 0.843
---------------------------------
```

```
d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\funct
ions.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.p
y:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```

Receiver Operating Characteristic for STD of Reconstruction Error. ROC curve (area = 0.8544)

Precision Recall Curve for STD of Reconstruction Error

Receiver Operating Characteristic for Mean of Reconstruction Error

Precision Recall Curve for Mean of Reconstruction Error