```
Modality 1 - Thermal
Non Falls - 48, Falls - 173
Modality 2 - IP
Non Falls - 48, Falls - 173
Train Dataloader - 48
Test Dataloader - 173
Device Used - cuda
Model Used - MultiModal_3DCAE
Key Frame Extraction - False
Feature Extraction - True
Background Subtraction - True
Background Subtraction Algorithm - GMG
Data Augmentation - False
Spatial Temporal Loss - True
w1 - 1, w2 - 1e-05
Frame rate adjusted dataset - True
Synchronise Video - True
Video length adjustment method - Not Applicable
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 = SmoothL1Loss()
Training has Begun
epoch [1/20], loss:0.0133
epoch [2/20], loss:0.0050
epoch [3/20], loss:0.0018
epoch [4/20], loss:0.0003
epoch [5/20], loss:0.0006
epoch [6/20], loss:0.0004
epoch [7/20], loss:0.0003
epoch [8/20], loss:0.0001
epoch [9/20], loss:0.0001
epoch [10/20], loss:0.0001
epoch [11/20], loss:0.0000
epoch [12/20], loss:0.0000
epoch [13/20], loss:0.0000
epoch [14/20], loss:0.0001
epoch [15/20], loss:0.0000
epoch [16/20], loss:0.0000
epoch [17/20], loss:0.0000
epoch [18/20], loss:0.0001
epoch [19/20], loss:0.0000
epoch [20/20], loss:0.0000
Training has Completed
```

Forward pass occuring Forward pass completed

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, -----

STD Global Classification Results

TPR 0.866, FPR 0.168, Precision 0.056, Recall 0.866

tn 106113, fp 21414, fn 196, tp 1262

std_AUROC 0.921

Mean Global Classification Results

TPR 0.881, FPR 0.192, Precision 0.050, Recall 0.881

tn 103098, fp 24429, fn 173, tp 1285

mean_AUROC 0.917

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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.</pre>

var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,

()

Receiver Operating Characteristic for STD of Reconstruction Error

































