```
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 - EarlyConcatenation 3DCAE
Key Frame Extraction - False
Feature Extraction - True
Background Subtraction - True
Background Subtraction Algorithm - GMG
Data Augmentation - False
Spatial Temporal Loss - False
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:0.0000
epoch [2/20], loss:0.0000
epoch [3/20], loss:0.0000
epoch [4/20], loss:0.0000
epoch [5/20], loss:0.0000
epoch [6/20], loss:0.0000
epoch [7/20], loss:0.0000
epoch [8/20], loss:0.0000
epoch [9/20], loss:0.0000
epoch [10/20], loss:0.0000
epoch [11/20], loss:0.0000
epoch [12/20], loss:0.0000
epoch [13/20], loss:0.0000
epoch [14/20], loss:0.0000
epoch [15/20], loss:0.0000
epoch [16/20], loss:0.0000
epoch [17/20], loss:0.0000
epoch [18/20], loss:0.0000
epoch [19/20], loss:0.0000
epoch [20/20], loss:0.0000
Training has Completed
```

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Forward pass occuring Forward pass completed

MultiModal\_Thermal\_T3\_IP\_T\_2024-04-25-13-04-14

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STD Global Classification Results TPR 0.866, FPR 0.168, Precision 0.056, Recall 0.866 tn 106108, fp 21419, fn 196, tp 1262 std AUROC 0.921

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Mean Global Classification Results TPR 0.851, FPR 0.155, Precision 0.059, Recall 0.851 tn 107698, fp 19829, fn 217, tp 1241 mean\_AUROC 0.923

-----

d:\FYP-Human-Fall-Detection\Code\functions.py:250: RuntimeWarning: Mean of em
pty slice

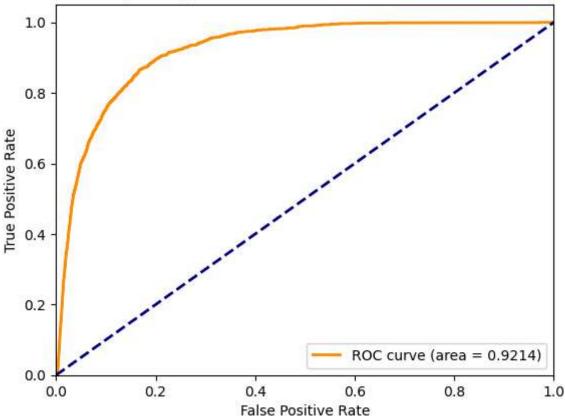
final\_performance\_mean = np.nanmean(video\_metrics, axis=0) # get the mean
performance across all videos

c:\Users\sindh\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\numpy\lib\na
nfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.</pre>

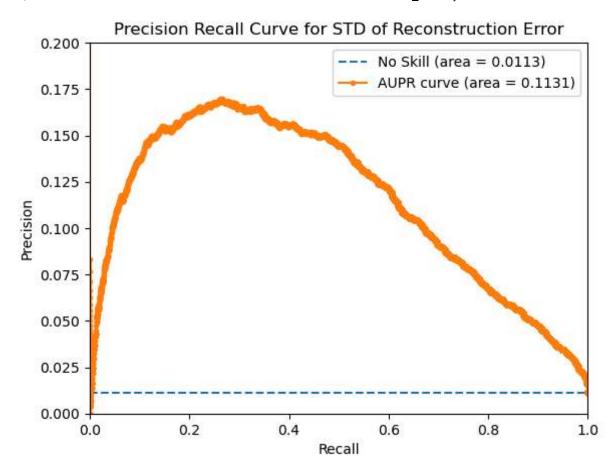
var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,

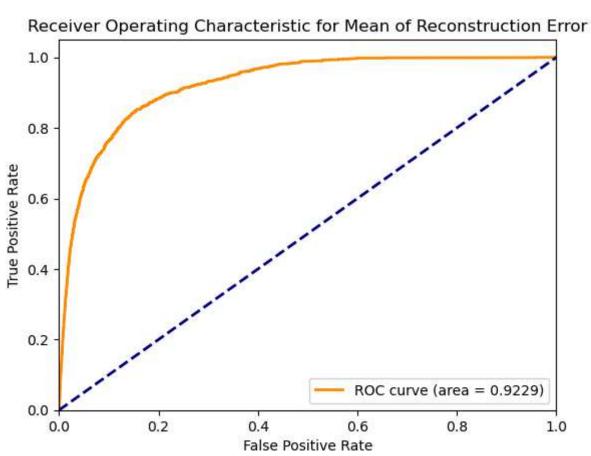
()





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