```
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 - EarlyAddition_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 = L1Loss()

Training has Begun
epoch [1/20], loss:0.0020
epoch [2/20], loss:0.0006
epoch [3/20], loss:0.0003
epoch [4/20], loss:0.0002
epoch [5/20], loss:0.0002
epoch [6/20], loss:0.0002
epoch [7/20], loss:0.0001
epoch [8/20], loss:0.0001
epoch [9/20], loss:0.0005
epoch [10/20], loss:0.0001
epoch [11/20], loss:0.0001
epoch [12/20], loss:0.0005
epoch [13/20], loss:0.0002
epoch [14/20], loss:0.0002
epoch [15/20], loss:0.0001
epoch [16/20], loss:0.0004
epoch [17/20], loss:0.0002
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
```

```
MultiModal_Thermal_T3_IP_T_2024-04-24-03-30-54

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STD Global Classification Results
TPR 0.868, FPR 0.168, Precision 0.056, Recall 0.868
tn 106066, fp 21461, fn 193, tp 1265
std_AUROC  0.924
---------------------------------
---------------------------------
Mean Global Classification Results
TPR 0.888, FPR 0.220, Precision 0.044, Recall 0.888
tn 99420, fp 28107, fn 163, tp 1295
mean_AUROC 0.906
---------------------------------
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,
()
```
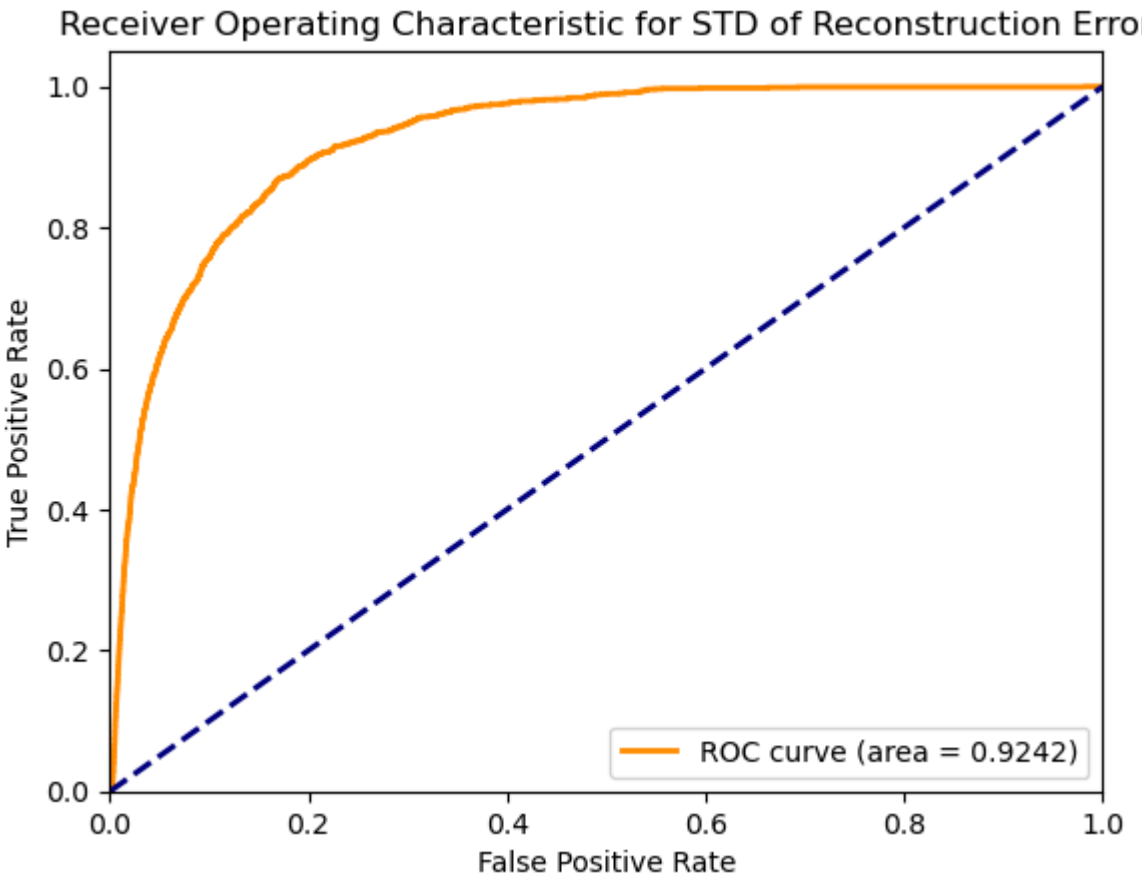
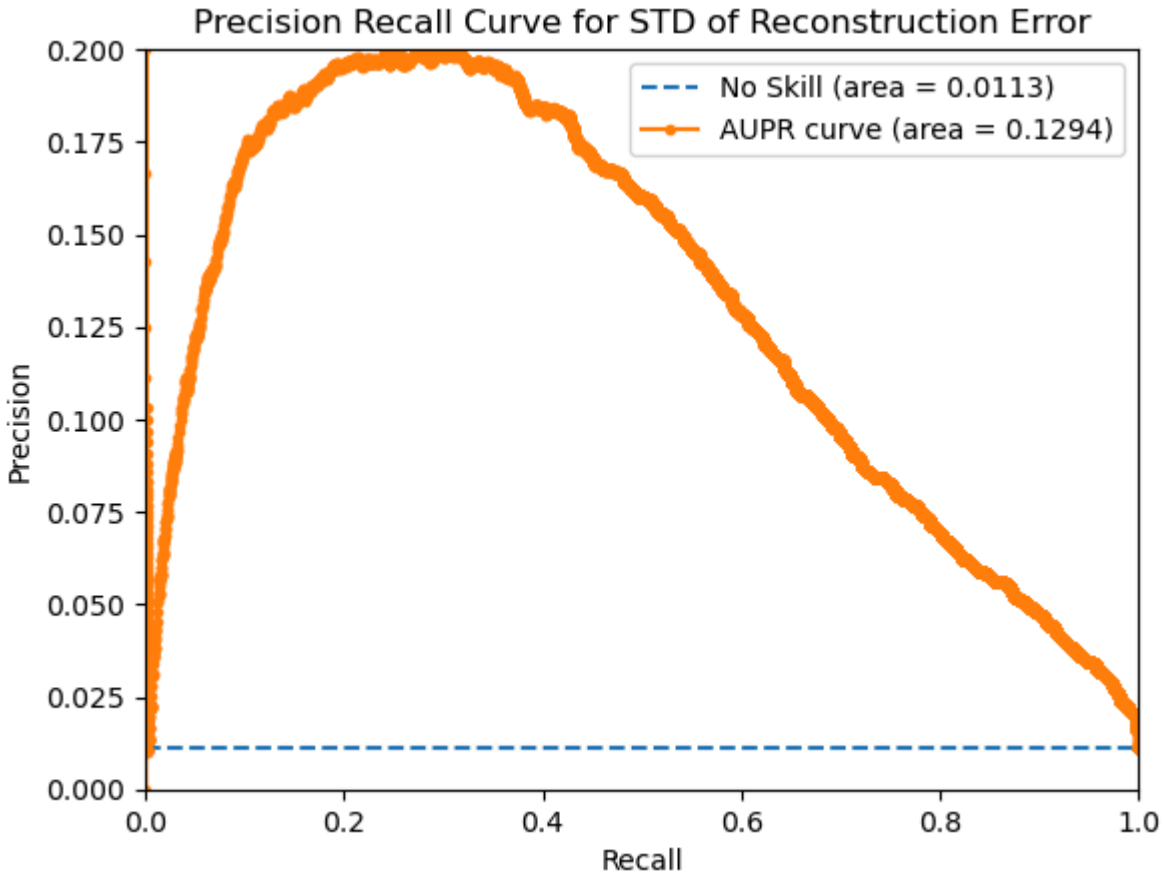
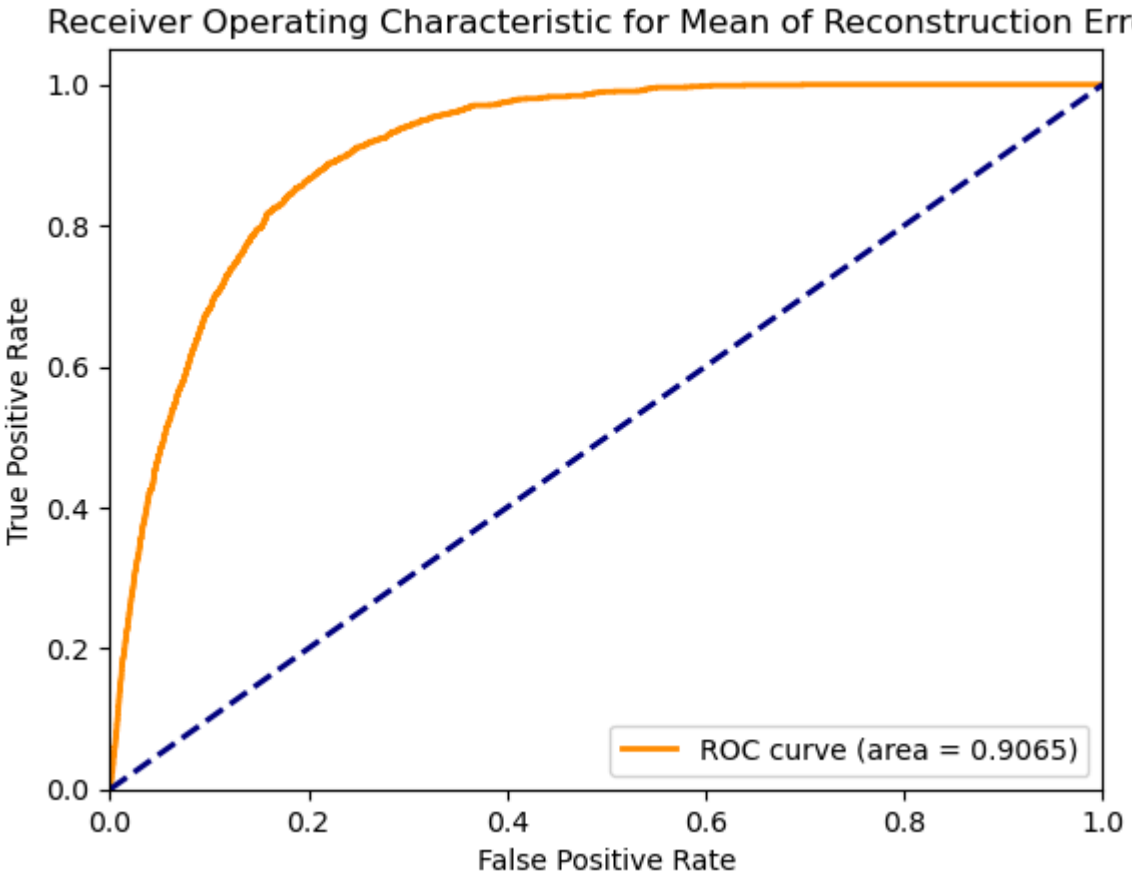
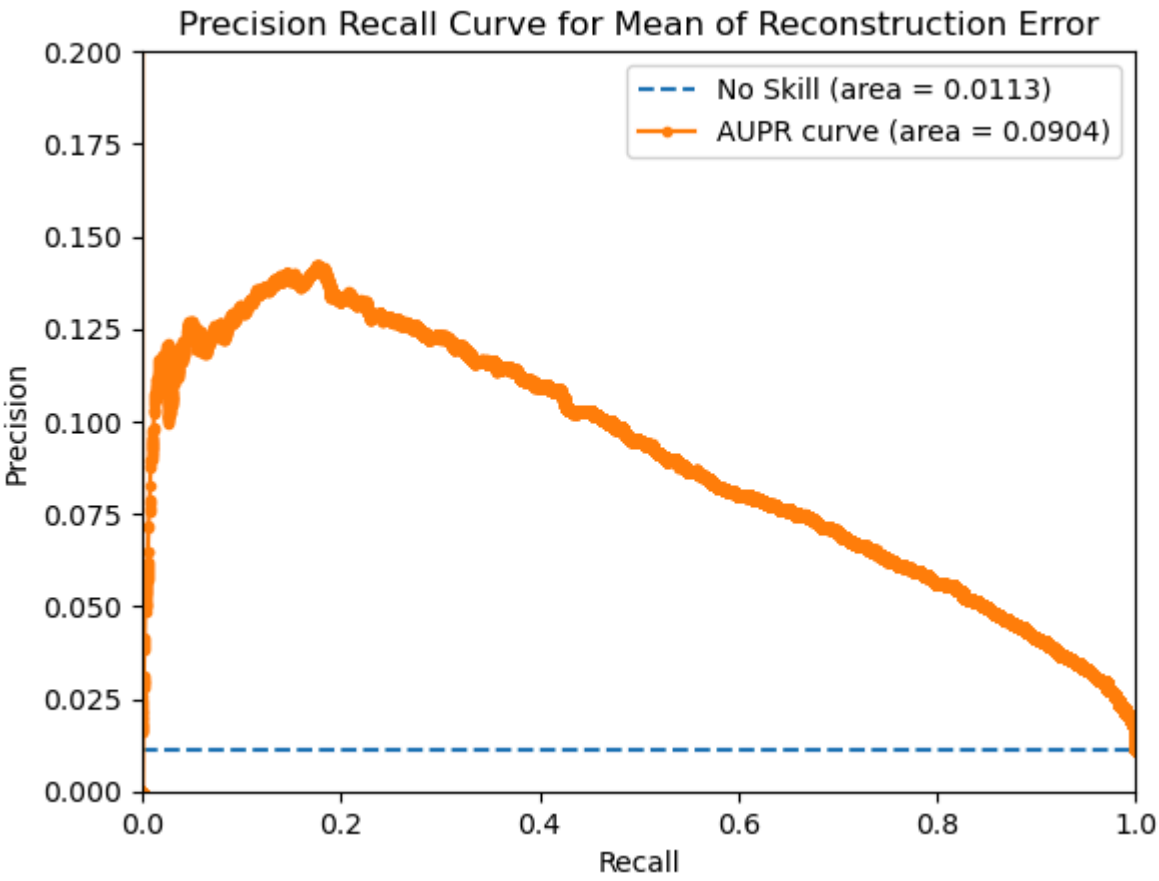




Precision Recall Curve for STD of Reconstruction Error
No Skill (area = 0.0113)
AUPR curve (area = 0.1294)
Precision
Recall
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.0
0.2
0.4
0.6
0.8
1.0


Receiver Operating Characteristic for Mean of Reconstruction Error
ROC curve (area = 0.9065)
True Positive Rate
False Positive Rate
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Precision Recall Curve for Mean of Reconstruction Error
No Skill (area = 0.0113)
AUPR curve (area = 0.0904)
Precision
Recall
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
0.0
0.2
0.4
0.6
0.8
1.0