```
Train Dataloader - 48
Test Dataloader - 173

Device Used - cuda

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

Frame rate adjusted dataset - False

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:10.4862
epoch [2/20], loss:10.4752
epoch [3/20], loss:10.4673
epoch [4/20], loss:10.4629
epoch [5/20], loss:10.4598
epoch [6/20], loss:10.4581
epoch [7/20], loss:10.4565
epoch [8/20], loss:10.4551
epoch [9/20], loss:10.4540
epoch [10/20], loss:10.4509
epoch [11/20], loss:10.4469
epoch [12/20], loss:10.4449
epoch [13/20], loss:10.4438
epoch [14/20], loss:10.4429
epoch [15/20], loss:10.4419
epoch [16/20], loss:10.4411
epoch [17/20], loss:10.4402
epoch [18/20], loss:10.4393
epoch [19/20], loss:10.4388
epoch [20/20], loss:10.4386
Training has Completed

Forward pass occuring
Forward pass completed

Thermal_T3_2024-04-05-20-39-01

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STD Global Classification Results
TPR 0.843, FPR 0.413, Precision 0.090, Recall 0.843
tn 11269, fp 7937, fn 147, tp 787
std_AUROC  0.777
```

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Mean Global Classification Results
TPR 0.717, FPR 0.340, Precision 0.093, Recall 0.717
tn 12668, fp 6538, fn 264, tp 670
mean_AUROC 0.736
---------------------------------
```

```
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
py:1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should
be meaningless
  warnings.warn(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
py:979: UserWarning: No positive class found in y_true, recall is set to one for all thres
holds.
  warnings.warn(
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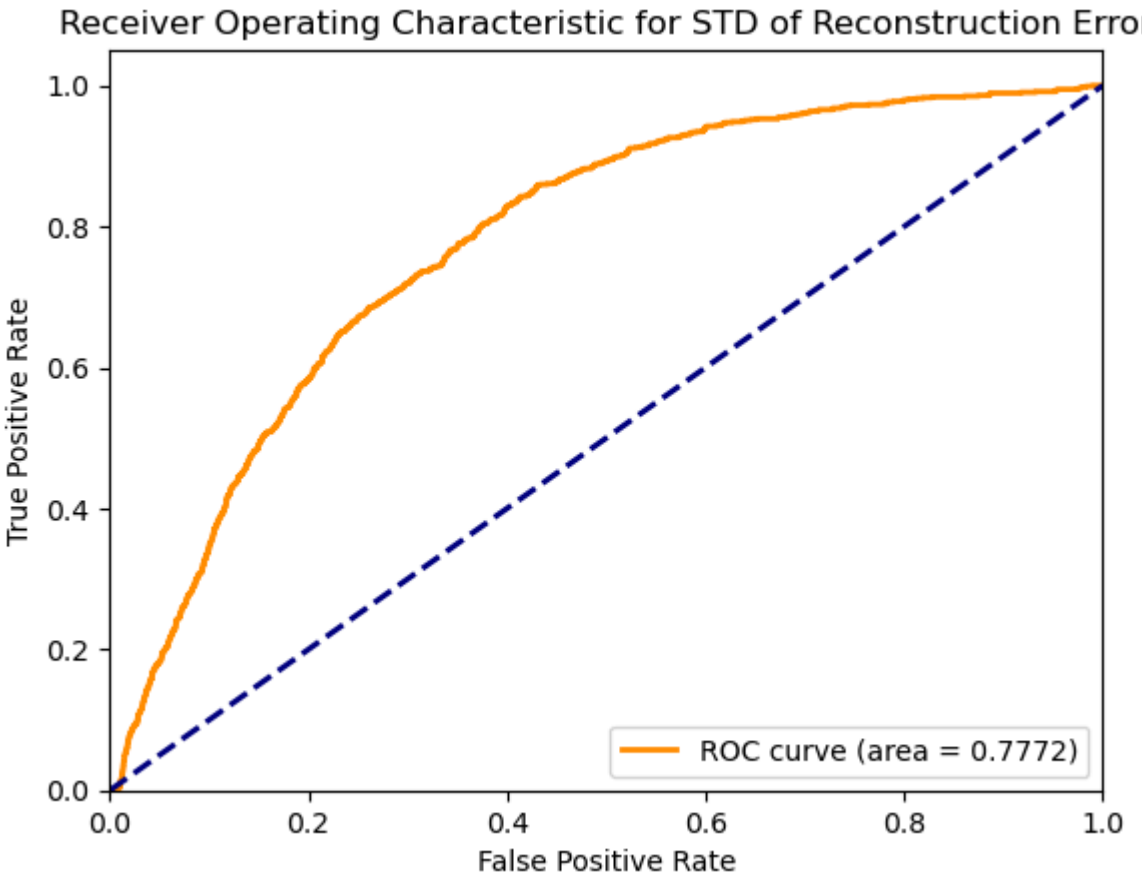
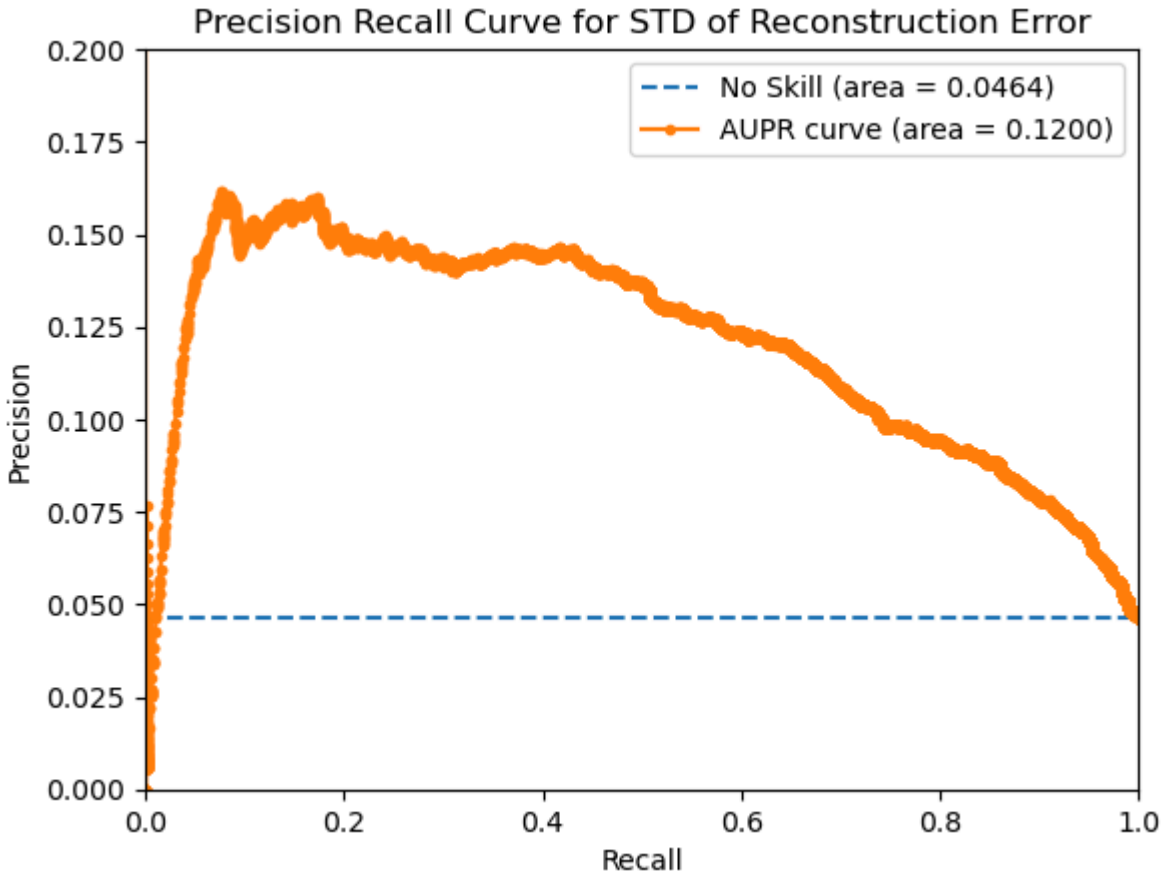
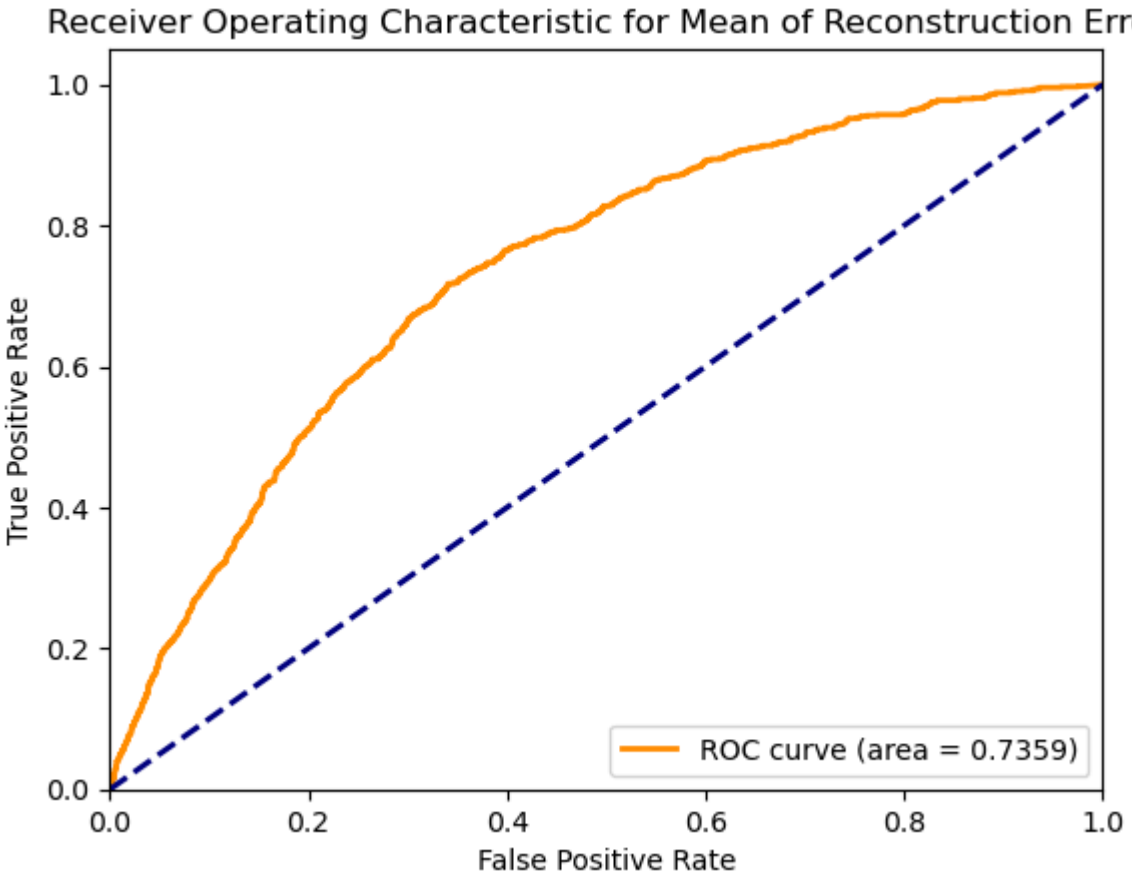
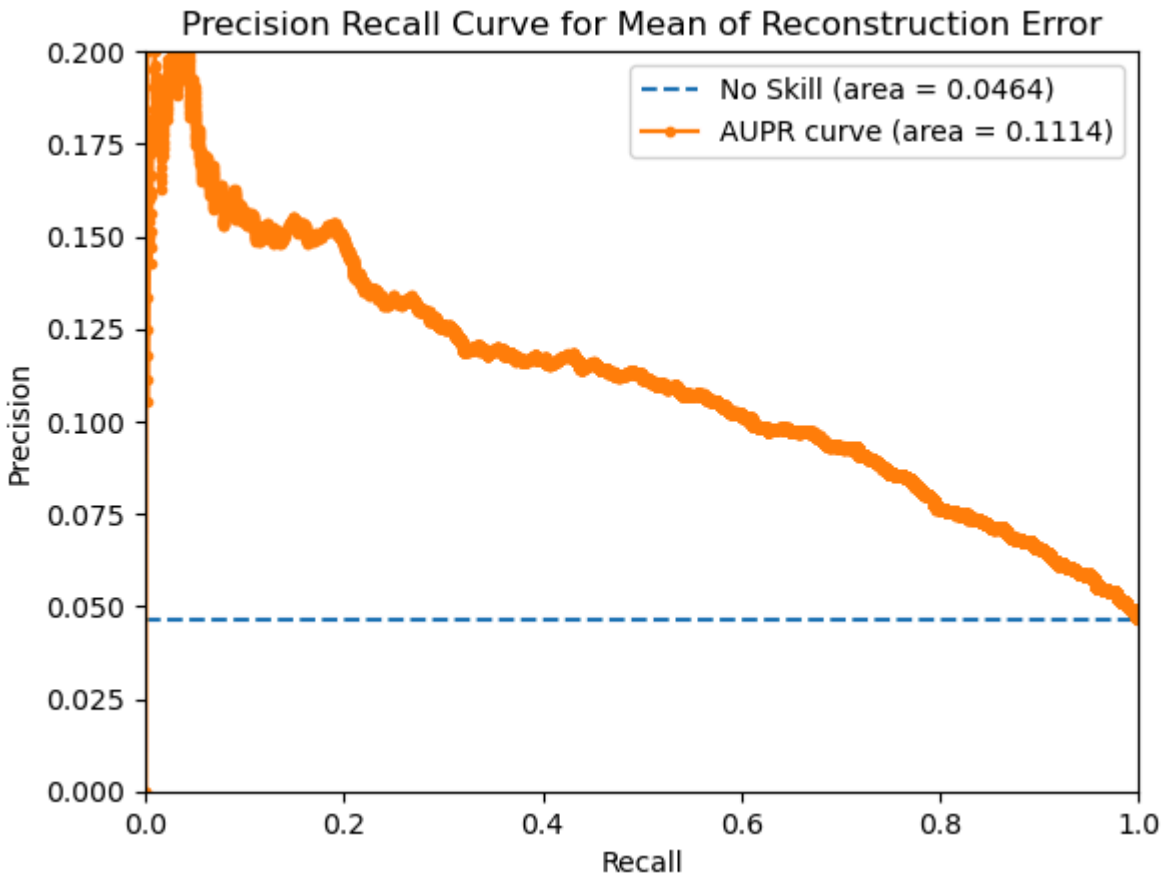
holds.
  warnings.warn(
d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\funct
ions.py:250: RuntimeWarning: Mean of empty slice
  final_performance_mean = np.nanmean(video_metrics, axis=0)  # get the mean performance a
cross all videos
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.p
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 = 0.0464)
AUPR curve (area = 0.1200)
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 = 0.7359)
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 = 0.0464)
AUPR curve (area = 0.1114)
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