```
Train Dataloader - 48
Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE
Key Frame Extraction - True
Key Frame Extraction Algorithm - Optical_Flow
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:0.0104
epoch [2/20], loss:0.0027
epoch [3/20], loss:0.0014
epoch [4/20], loss:0.0009
epoch [5/20], loss:0.0006
epoch [6/20], loss:0.0005
epoch [7/20], loss:0.0004
epoch [8/20], loss:0.0003
epoch [9/20], loss:0.0003
epoch [10/20], loss:0.0003
epoch [11/20], loss:0.0004
epoch [12/20], loss:0.0002
epoch [13/20], loss:0.0002
epoch [14/20], loss:0.0003
epoch [15/20], loss:0.0002
epoch [16/20], loss:0.0002
epoch [17/20], loss:0.0002
epoch [18/20], loss:0.0002
epoch [19/20], loss:0.0002
epoch [20/20], loss:0.0002
Training has Completed

Forward pass occuring
Forward pass completed

Thermal_T3_2024-04-05-23-11-49

---------------------------------
STD Global Classification Results
TPR 0.309, FPR 0.126, Precision 0.080, Recall 0.309
tn 21617, fp 3123, fn 611, tp 273
std_AUROC  0.545
```

```
----------------------------------
----------------------------------
Mean Global Classification Results
TPR 0.309, FPR 0.165, Precision 0.063, Recall 0.309
tn 20670, fp 4070, fn 611, tp 273
mean_AUROC 0.548
----------------------------------
```

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(
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(
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 = 0.5453)

Precision Recall Curve for STD of Reconstruction Error

No Skill (area = 0.0345)
AUPR curve (area = 0.0576)

Receiver Operating Characteristic for Mean of Reconstruction Error

ROC curve (area = 0.5484)

Precision Recall Curve for Mean of Reconstruction Error