```
Modality 1 - Thermal
Non Falls - 48, Falls - 173
Modality 2 - ONI_IR
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()
Forward pass occuring
Forward pass completed
MultiModal_Thermal_T3_ONI_IR_T_2024-04-25-13-06-37
_____
STD Global Classification Results
TPR 0.894, FPR 0.217, Precision 0.053, Recall 0.894
tn 102640, fp 28482, fn 191, tp 1605
std AUROC 0.913
-----
_____
Mean Global Classification Results
TPR 0.895, FPR 0.205, Precision 0.056, Recall 0.895
tn 104238, fp 26884, fn 189, tp 1607
mean AUROC 0.921
_____
```

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, STD Global Classification Results TPR 0.898, FPR 0.172, Precision 0.067, Recall 0.898 tn 108633, fp 22489, fn 184, tp 1612 std_AUROC 0.919 -----_____ Mean Global Classification Results TPR 0.925, FPR 0.208, Precision 0.058, Recall 0.925 tn 103880, fp 27242, fn 134, tp 1662 mean_AUROC 0.897 ----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, -----STD Global Classification Results TPR 0.919, FPR 0.214, Precision 0.055, Recall 0.919 tn 103008, fp 28114, fn 145, tp 1651 std_AUROC 0.926 -----_____ Mean Global Classification Results TPR 0.884, FPR 0.186, Precision 0.061, Recall 0.884 tn 106731, fp 24391, fn 209, tp 1587 mean AUROC 0.923 ----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, ()

d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\funct

ions.py:250: RuntimeWarning: Mean of empty slice



































