```
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 - False
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 = MSELoss()
Training has Begun
epoch [1/20], loss:0.0035
epoch [2/20], loss:0.0024
epoch [3/20], loss:0.0020
epoch [4/20], loss:0.0017
epoch [5/20], loss:0.0017
epoch [6/20], loss:0.0015
epoch [7/20], loss:0.0014
epoch [8/20], loss:0.0014
epoch [9/20], loss:0.0013
epoch [10/20], loss:0.0013
epoch [11/20], loss:0.0013
epoch [12/20], loss:0.0013
epoch [13/20], loss:0.0012
epoch [14/20], loss:0.0012
epoch [15/20], loss:0.0011
epoch [16/20], loss:0.0011
epoch [17/20], loss:0.0011
epoch [18/20], loss:0.0011
epoch [19/20], loss:0.0011
epoch [20/20], loss:0.0010
Training has Completed
Forward pass occuring
Forward pass completed
```

MultiModal_Thermal_T3_ONI_IR_T_2024-04-16-23-33-04

```
STD Global Classification Results
TPR 0.885, FPR 0.295, Precision 0.039, Recall 0.885
tn 92454, fp 38668, fn 206, tp 1590
std_AUROC 0.846
_____
_____
Mean Global Classification Results
TPR 0.903, FPR 0.290, Precision 0.041, Recall 0.903
tn 93110, fp 38012, fn 175, tp 1621
mean_AUROC 0.858
-----
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 0.937, FPR 0.334, Precision 0.037, Recall 0.937
tn 87264, fp 43858, fn 114, tp 1682
std AUROC 0.850
______
 Mean Global Classification Results
TPR 0.904, FPR 0.288, Precision 0.041, Recall 0.904
tn 93296, fp 37826, fn 172, tp 1624
mean AUROC 0.860
-----
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 0.891, FPR 0.268, Precision 0.044, Recall 0.891
tn 95951, fp 35171, fn 196, tp 1600
std AUROC 0.862
______
_____
Mean Global Classification Results
TPR 0.889, FPR 0.270, Precision 0.043, Recall 0.889
tn 95696, fp 35426, fn 199, tp 1597
mean AUROC 0.864
-----
d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\funct
ions.py:250: RuntimeWarning: Mean of empty slice
```

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,</pre>



































