```
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 = L1Loss()
Training has Begun
epoch [1/20], loss:0.0450
epoch [2/20], loss:0.0372
epoch [3/20], loss:0.0346
epoch [4/20], loss:0.0330
epoch [5/20], loss:0.0318
epoch [6/20], loss:0.0305
epoch [7/20], loss:0.0295
epoch [8/20], loss:0.0289
epoch [9/20], loss:0.0286
epoch [10/20], loss:0.0283
epoch [11/20], loss:0.0280
epoch [12/20], loss:0.0278
epoch [13/20], loss:0.0275
epoch [14/20], loss:0.0272
epoch [15/20], loss:0.0272
epoch [16/20], loss:0.0272
epoch [17/20], loss:0.0272
epoch [18/20], loss:0.0272
epoch [19/20], loss:0.0272
epoch [20/20], loss:0.0271
Training has Completed
Forward pass occuring
Forward pass completed
```

MultiModal_Thermal_T3_ONI_IR_T_2024-04-17-02-30-02

```
STD Global Classification Results
TPR 0.882, FPR 0.282, Precision 0.041, Recall 0.882
tn 94134, fp 36988, fn 212, tp 1584
std_AUROC 0.848
______
_____
Mean Global Classification Results
TPR 0.910, FPR 0.263, Precision 0.045, Recall 0.910
tn 96667, fp 34455, fn 162, tp 1634
mean_AUROC 0.879
-----
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 0.909, FPR 0.307, Precision 0.039, Recall 0.909
tn 90875, fp 40247, fn 163, tp 1633
std AUROC 0.851
______
 Mean Global Classification Results
TPR 0.908, FPR 0.228, Precision 0.052, Recall 0.908
tn 101213, fp 29909, fn 165, tp 1631
mean_AUROC 0.885
-----
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 0.897, FPR 0.274, Precision 0.043, Recall 0.897
tn 95228, fp 35894, fn 185, tp 1611
std AUROC 0.865
______
_____
Mean Global Classification Results
TPR 0.899, FPR 0.242, Precision 0.048, Recall 0.899
tn 99443, fp 31679, fn 182, tp 1614
mean AUROC 0.887
-----
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>



































