```
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:0.0463
epoch [2/20], loss:0.0373
epoch [3/20], loss:0.0337
epoch [4/20], loss:0.0316
epoch [5/20], loss:0.0303
epoch [6/20], loss:0.0293
epoch [7/20], loss:0.0287
epoch [8/20], loss:0.0283
epoch [9/20], loss:0.0279
epoch [10/20], loss:0.0277
epoch [11/20], loss:0.0274
epoch [12/20], loss:0.0272
epoch [13/20], loss:0.0269
epoch [14/20], loss:0.0266
epoch [15/20], loss:0.0264
epoch [16/20], loss:0.0262
epoch [17/20], loss:0.0260
epoch [18/20], loss:0.0259
epoch [19/20], loss:0.0258
epoch [20/20], loss:0.0256
Training has Completed
Forward pass occuring
Forward pass completed
```

MultiModal_Thermal_T3_ONI_IR_T_2024-04-24-16-37-55

```
STD Global Classification Results
TPR 0.885, FPR 0.299, Precision 0.039, Recall 0.885
tn 91962, fp 39160, fn 206, tp 1590
std_AUROC 0.842
_____
_____
Mean Global Classification Results
TPR 0.914, FPR 0.278, Precision 0.043, Recall 0.914
tn 94687, fp 36435, fn 154, tp 1642
mean_AUROC 0.870
-----
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 0.886, FPR 0.260, Precision 0.045, Recall 0.886
tn 97039, fp 34083, fn 204, tp 1592
std AUROC 0.866
______
Mean Global Classification Results
TPR 0.907, FPR 0.203, Precision 0.058, Recall 0.907
tn 104552, fp 26570, fn 167, tp 1629
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 0.918, FPR 0.297, Precision 0.041, Recall 0.918
tn 92151, fp 38971, fn 148, tp 1648
std AUROC 0.868
______
_____
Mean Global Classification Results
TPR 0.947, FPR 0.250, Precision 0.049, Recall 0.947
tn 98371, fp 32751, fn 95, tp 1701
mean AUROC 0.896
-----
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
```

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>

cross all videos



































