```
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 - False
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:0.0068
epoch [2/20], loss:0.0052
epoch [3/20], loss:0.0046
epoch [4/20], loss:0.0042
epoch [5/20], loss:0.0039
epoch [6/20], loss:0.0036
epoch [7/20], loss:0.0033
epoch [8/20], loss:0.0032
epoch [9/20], loss:0.0031
epoch [10/20], loss:0.0030
epoch [11/20], loss:0.0029
epoch [12/20], loss:0.0028
epoch [13/20], loss:0.0027
epoch [14/20], loss:0.0026
epoch [15/20], loss:0.0026
epoch [16/20], loss:0.0025
epoch [17/20], loss:0.0025
epoch [18/20], loss:0.0024
epoch [19/20], loss:0.0024
epoch [20/20], loss:0.0024
Training has Completed
Forward pass occuring
Forward pass completed
```

MultiModal_Thermal_T3_ONI_IR_T_2024-04-17-17-36-51

```
STD Global Classification Results
TPR 0.926, FPR 0.373, Precision 0.036, Recall 0.926
tn 41557, fp 24684, fn 74, tp 925
std_AUROC 0.824
______
_____
Mean Global Classification Results
TPR 0.837, FPR 0.303, Precision 0.040, Recall 0.837
tn 46146, fp 20095, fn 163, tp 836
mean_AUROC 0.823
-----
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 0.877, FPR 0.333, Precision 0.038, Recall 0.877
tn 44163, fp 22078, fn 123, tp 876
std AUROC 0.813
______
Mean Global Classification Results
TPR 0.889, FPR 0.321, Precision 0.040, Recall 0.889
tn 44956, fp 21285, fn 111, tp 888
mean AUROC 0.828
-----
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 0.858, FPR 0.287, Precision 0.043, Recall 0.858
tn 47257, fp 18984, fn 142, tp 857
std AUROC 0.835
_____
_____
Mean Global Classification Results
TPR 0.848, FPR 0.294, Precision 0.042, Recall 0.848
tn 46778, fp 19463, fn 152, tp 847
mean AUROC 0.840
-----
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



































