```
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 - False
Frame rate adjusted dataset - True
Video length adjustment method - Trim Maximum
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()
Forward pass occuring
Forward pass completed
MultiModal_Thermal_T3_ONI_IR_T_2024-04-06-15-52-00
STD Global Classification Results
TPR 0.791, FPR 0.218, Precision 0.061, Recall 0.791
tn 103530, fp 28915, fn 496, tp 1878
std AUROC 0.823
_____
_____
Mean Global Classification Results
TPR 0.821, FPR 0.266, Precision 0.052, Recall 0.821
tn 97175, fp 35270, fn 424, tp 1950
mean AUROC 0.798
-----
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 1.000, FPR 0.083, Precision 0.003, Recall 1.000
tn 123551, fp 11238, fn 0, tp 30
std\_AUROC 0.961

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Mean Global Classification Results
TPR 1.000, FPR 0.137, Precision 0.002, Recall 1.000
tn 116372, fp 18417, fn 0, tp 30
mean\_AUROC 0.960

-----

c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking. py:979: UserWarning: No positive class found in y\_true, recall is set to one for all thres holds. warnings.warn( c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking. py:1132: UndefinedMetricWarning: No positive samples in y\_true, true positive value should be meaningless warnings.warn( c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking. py:979: UserWarning: No positive class found in y\_true, recall is set to one for all thres warnings.warn( c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking. py:1132: UndefinedMetricWarning: No positive samples in y\_true, true positive value should be meaningless warnings.warn( c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking. py:979: UserWarning: No positive class found in y\_true, recall is set to one for all thres holds. warnings.warn( 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 0.717, FPR 0.196, Precision 0.061, Recall 0.717
tn 106436, fp 26009, fn 673, tp 1701
std\_AUROC 0.807

Mean Global Classification Results TPR 0.830, FPR 0.384, Precision 0.037, Recall 0.830 tn 81571, fp 50874, fn 404, tp 1970 mean\_AUROC 0.701

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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.</pre>

var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,

()



































