```
Modality 1 - Thermal
Non Falls - 48, Falls - 173
Modality 2 - Thermal
Non Falls - 48, Falls - 173
Train Dataloader - 48
Test Dataloader - 173
Device Used - cuda
Model Used - MultiModal_3DCAE
Feature Extraction - False
Data Augmentation - False
Spatial Temporal Loss - False
Window Length = 8
Stride = 1
Fair Comparison = True
Dropout = 0.25
Learning Rate = 0.0002
Num Epochs = 20
Chunk Size = 64
Forward Chunk = 8
Forward Chunk Size = 8
Loss Fn = MSELoss()
Training has Begun
epoch [1/20], loss:0.0026
epoch [2/20], loss:0.0016
epoch [3/20], loss:0.0012
epoch [4/20], loss:0.0010
epoch [5/20], loss:0.0008
epoch [6/20], loss:0.0007
epoch [7/20], loss:0.0006
epoch [8/20], loss:0.0006
epoch [9/20], loss:0.0006
epoch [10/20], loss:0.0005
epoch [11/20], loss:0.0005
epoch [12/20], loss:0.0005
epoch [13/20], loss:0.0005
epoch [14/20], loss:0.0005
epoch [15/20], loss:0.0005
epoch [16/20], loss:0.0004
epoch [17/20], loss:0.0004
epoch [18/20], loss:0.0004
epoch [19/20], loss:0.0004
epoch [20/20], loss:0.0004
Training has Completed
Forward pass occuring
Forward pass completed
MultiModal_Thermal_T3_Thermal_T3_2024-03-20-07-55-16
_____
STD Global Classification Results
TPR 0.930, FPR 0.381, Precision 0.038, Recall 0.930
```

tn 41117, fp 25272, fn 75, tp 997

```
std_AUROC 0.816
______
Mean Global Classification Results
TPR 0.799, FPR 0.305, Precision 0.041, Recall 0.799
tn 46162, fp 20227, fn 216, tp 856
mean_AUROC 0.809
-----
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 0.929, FPR 0.377, Precision 0.038, Recall 0.929
tn 41376, fp 25013, fn 76, tp 996
std_AUROC 0.816
-----
_____
Mean Global Classification Results
TPR 0.813, FPR 0.313, Precision 0.040, Recall 0.813
tn 45583, fp 20806, fn 200, tp 872
mean AUROC 0.805
_____
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 0.934, FPR 0.382, Precision 0.038, Recall 0.934
tn 41041, fp 25348, fn 71, tp 1001
std AUROC 0.816
_____
______
Mean Global Classification Results
TPR 0.799, FPR 0.303, Precision 0.041, Recall 0.799
tn 46282, fp 20107, fn 215, tp 857
mean AUROC 0.807
```

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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,



































