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 Synchronise Video - True Video length adjustment method - Not Applicable Window Length = 8 Stride = 1Fair Comparison = True Dropout = 0.25Learning Rate = 0.0002 Num Epochs = 20Chunk Size = 64 Forward Chunk Size = 8 Loss Fn = MSELoss() Training has Begun epoch [1/20], loss:0.0026 epoch [2/20], loss:0.0005 epoch [3/20], loss:0.0002 epoch [4/20], loss:0.0001 epoch [5/20], loss:0.0000 epoch [6/20], loss:0.0000 epoch [7/20], loss:0.0000 epoch [8/20], loss:0.0001 epoch [9/20], loss:0.0001 epoch [10/20], loss:0.0000 epoch [11/20], loss:0.0000 epoch [12/20], loss:0.0000 epoch [13/20], loss:0.0000 epoch [14/20], loss:0.0000 epoch [15/20], loss:0.0000 epoch [16/20], loss:0.0000 epoch [17/20], loss:0.0000 epoch [18/20], loss:0.0000 epoch [19/20], loss:0.0000 epoch [20/20], loss:0.0000 Training has Completed Forward pass occuring

Forward pass completed

```
MultiModal_Thermal_T3_ONI_IR_T_2024-04-17-14-03-57
STD Global Classification Results
TPR 0.894, FPR 0.217, Precision 0.053, Recall 0.894
tn 102666, fp 28456, fn 191, tp 1605
std_AUROC 0.913
-----
_____
Mean Global Classification Results
TPR 0.911, FPR 0.222, Precision 0.053, Recall 0.911
tn 101976, fp 29146, fn 160, tp 1636
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
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 0.898, FPR 0.172, Precision 0.067, Recall 0.898
tn 108547, fp 22575, fn 184, tp 1612
std_AUROC 0.917
_____
_____
Mean Global Classification Results
TPR 0.947, FPR 0.257, Precision 0.048, Recall 0.947
tn 97451, fp 33671, fn 96, tp 1700
mean_AUROC 0.884
______
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 0.919, FPR 0.214, Precision 0.056, Recall 0.919
tn 103036, fp 28086, fn 145, tp 1651
std AUROC 0.926
_____
-----
Mean Global Classification Results
TPR 0.913, FPR 0.237, Precision 0.050, Recall 0.913
tn 100050, fp 31072, fn 157, tp 1639
mean AUROC 0.893
```

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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,







































