```
Modality 1 - Thermal
Non Falls - 48, Falls - 173
Modality 2 - IP
Non Falls - 48, Falls - 173
Train Dataloader - 48
Test Dataloader - 173
Device Used - cuda
Model Used - LateSubtraction 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 = 1
Fair Comparison = True
Dropout = 0.25
Learning Rate = 0.0002
Num Epochs = 20
Chunk Size = 64
Forward Chunk Size = 8
Loss Fn = SmoothL1Loss()
Training has Begun
epoch [1/20], loss:0.0001
epoch [2/20], loss:0.0000
epoch [3/20], loss:0.0000
epoch [4/20], loss:0.0000
epoch [5/20], loss:0.0000
epoch [6/20], loss:0.0000
epoch [7/20], loss:0.0000
epoch [8/20], loss:0.0000
epoch [9/20], loss:0.0000
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_IP_T_2024-04-24-19-35-01 ______ STD Global Classification Results TPR 0.885, FPR 0.220, Precision 0.044, Recall 0.885 tn 99482, fp 28045, fn 167, tp 1291 std AUROC 0.909 -----_____ Mean Global Classification Results TPR 0.870, FPR 0.187, Precision 0.051, Recall 0.870 tn 103732, fp 23795, fn 190, tp 1268 mean AUROC 0.919 ----d:\FYP-Human-Fall-Detection\Code\functions.py:250: RuntimeWarning: Mean of em pty slice final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance across all videos c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\na nfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.</pre> var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof, ______ STD Global Classification Results TPR 0.867, FPR 0.187, Precision 0.050, Recall 0.867 tn 103669, fp 23868, fn 193, tp 1255 std AUROC 0.904 -----_____ Mean Global Classification Results

TPR 0.898, FPR 0.262, Precision 0.037, Recall 0.898 tn 94128, fp 33409, fn 147, tp 1301 mean AUROC 0.875

```
c:\Users\sindh\anaconda3\envs\fyp base paper 2\lib\site-packages\sklearn\metr
ics\ ranking.py:1132: UndefinedMetricWarning: No positive samples in y true,
true positive value should be meaningless
  warnings.warn(
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metr
ics\_ranking.py:979: UserWarning: No positive class found in y_true, recall i
s set to one for all thresholds.
  warnings.warn(
c:\Users\sindh\anaconda3\envs\fyp base paper 2\lib\site-packages\sklearn\metr
ics\ ranking.py:1132: UndefinedMetricWarning: No positive samples in y true,
true positive value should be meaningless
  warnings.warn(
c:\Users\sindh\anaconda3\envs\fyp base paper 2\lib\site-packages\sklearn\metr
ics\ ranking.py:979: UserWarning: No positive class found in y true, recall i
s set to one for all thresholds.
  warnings.warn(
d:\FYP-Human-Fall-Detection\Code\functions.py:250: RuntimeWarning: Mean of em
pty slice
  final performance mean = np.nanmean(video metrics, axis=0) # get the mean
performance across all videos
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\na
nfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
STD Global Classification Results
TPR 0.866, FPR 0.168, Precision 0.056, Recall 0.866
tn 106119, fp 21408, fn 196, tp 1262
std AUROC 0.922
-----
-----
Mean Global Classification Results
TPR 0.899, FPR 0.211, Precision 0.046, Recall 0.899
tn 100614, fp 26913, fn 147, tp 1311
mean AUROC 0.918
d:\FYP-Human-Fall-Detection\Code\functions.py:250: RuntimeWarning: Mean of em
pty slice
  final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean
performance across all videos
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\na
nfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.</pre>
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
()
```























