```
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 - LateConcatenation_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:0.0000
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

STD Global Classification Results
TPR 0.857, FPR 0.143, Precision 0.064, Recall 0.857
tn 109190, fp 18279, fn 207, tp 1241
std\_AUROC 0.923
-----Mean Global Classification Results
TPR 0.869, FPR 0.163, Precision 0.057, Recall 0.869
tn 106701, fp 20768, fn 190, tp 1258
mean AUROC 0.922

-----

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(

c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking.
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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:302: 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,

STD Global Classification Results
TPR 0.868, FPR 0.200, Precision 0.047, Recall 0.868

tn 101920, fp 25549, fn 191, tp 1257

std AUROC 0.901

-----

Mean Global Classification Results

TPR 0.881, FPR 0.196, Precision 0.049, Recall 0.881

tn 102529, fp 24940, fn 173, tp 1275

mean AUROC 0.912

-----

```
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(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
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 warnings.warn(
c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
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d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\funct
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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 0.878, FPR 0.168, Precision 0.056, Recall 0.878
tn 106088, fp 21381, fn 176, tp 1272
std AUROC 0.931
______
Mean Global Classification Results
TPR 0.876, FPR 0.162, Precision 0.058, Recall 0.876
tn 106818, fp 20651, fn 180, tp 1268
mean_AUROC 0.924
-----
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
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c:\Users\abdul\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.
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```

c:\Users\abdul\anaconda3\envs\fyp\_base\_paper\_2\lib\site-packages\sklearn\metrics\\_ranking.



































