

Train Dataloader - 176

Test Dataloader - 45

Device Used - cuda

Model Used - CNN_3D

Key Frame Extraction - True

Key Frame Extraction Algorithm - Optical_Flow

Feature Extraction - False

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - False

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 = BCELoss()

Training has Begun

epoch [1/20], loss:0.6931

epoch [2/20], loss:0.6931

epoch [3/20], loss:0.6931

epoch [4/20], loss:0.6931

epoch [5/20], loss:0.6931

epoch [6/20], loss:0.6931

epoch [7/20], loss:0.6931

epoch [8/20], loss:0.6931

epoch [9/20], loss:0.6931

epoch [10/20], loss:0.6931

epoch [11/20], loss:0.6931

epoch [12/20], loss:0.6931

epoch [13/20], loss:0.6931

epoch [14/20], loss:0.6931

epoch [15/20], loss:0.6931

epoch [16/20], loss:0.6931

epoch [17/20], loss:0.6931

epoch [18/20], loss:0.6931

epoch [19/20], loss:0.6931

epoch [20/20], loss:0.6931

Training has Completed

Forward pass occurring

Forward pass completed

IP_T_2024-04-29-02-12-29

```
d:\FYP-Human-Fall-Detection\Code\functions.py:478: RuntimeWarning: invalid value encountered in longlong_scalars
    std_Precision = std_tp / (std_tp + std_fp)

-----
STD Global Classification Results
TPR 0.000, FPR 0.000, Precision nan, Recall 0.000
tn 7548, fp 0, fn 796, tp 0
std_AUROC  0.500
-----
```

```
d:\FYP-Human-Fall-Detection\Code\functions.py:513: RuntimeWarning: invalid value encountered in longlong_scalars
  Precision = tp / (tp + fp)
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics_ranking.py:1123: UndefinedMetricWarning: No negative samples in y_true,
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    warnings.warn(
d:\FYP-Human-Fall-Detection\Code\functions.py:302: RuntimeWarning: Mean of empty slice
    final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance across all videos
```

```
-----  
Mean Global Classification Results  
TPR 0.000, FPR 0.000, Precision nan, Recall 0.000  
tn 7548, fp 0, fn 796, tp 0  
mean_AUROC 0.500  
-----
```

```
c:\Users\sindh\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:1670: RuntimeWarning: Degrees of freedom <= 0 for slice.
    var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
```

Receiver Operating Characteristic for STD of Reconstruction Error





