

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 - EarlySubtraction_3DCAE
Key Frame Extraction - False
Feature Extraction - False
Data Augmentation - False
Spatial Temporal Loss - False

Frame rate adjusted dataset - True
Synchronise Video - False
Video length adjustment method - Pad Minimum

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 = MSELoss()

Training has Begun
epoch [1/20], loss:0.0027
epoch [2/20], loss:0.0015
epoch [3/20], loss:0.0012
epoch [4/20], loss:0.0010
epoch [5/20], loss:0.0010
epoch [6/20], loss:0.0009
epoch [7/20], loss:0.0021
epoch [8/20], loss:0.0009
epoch [9/20], loss:0.0009
epoch [10/20], loss:0.0008
epoch [11/20], loss:0.0008
epoch [12/20], loss:0.0008
epoch [13/20], loss:0.0008
epoch [14/20], loss:0.0008
epoch [15/20], loss:0.0007
epoch [16/20], loss:0.0007
epoch [17/20], loss:0.0007
epoch [18/20], loss:0.0007
epoch [19/20], loss:0.0007
epoch [20/20], loss:0.0007
Training has Completed

Forward pass occurring
Forward pass completed

MultiModal_Thermal_T3_ONI_IR_T_2024-04-24-10-34-32

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STD Global Classification Results  
TPR 0.833, FPR 0.432, Precision 0.017, Recall 0.833  
tn 150402, fp 114402, fn 397, tp 1977  
std_AUROC 0.746  
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Mean Global Classification Results  
TPR 0.694, FPR 0.264, Precision 0.023, Recall 0.694  
tn 194915, fp 69889, fn 726, tp 1648  
mean_AUROC 0.780  
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```
d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\functions.py:250: RuntimeWarning: Mean of empty slice  
    final_performance_mean = np.nanmean(video_metrics, axis=0) # get the mean performance across all videos  
c:\Users\abdul\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,
```

()





