

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 - EarlyConcatenation_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:0.0014
epoch [2/20], loss:0.0009
epoch [3/20], loss:0.0008
epoch [4/20], loss:0.0007
epoch [5/20], loss:0.0007
epoch [6/20], loss:0.0006
epoch [7/20], loss:0.0006
epoch [8/20], loss:0.0006
epoch [9/20], loss:0.0006
epoch [10/20], loss:0.0006
epoch [11/20], loss:0.0006
epoch [12/20], loss:0.0006
epoch [13/20], loss:0.0006
epoch [14/20], loss:0.0005
epoch [15/20], loss:0.0005
epoch [16/20], loss:0.0005
epoch [17/20], loss:0.0005
epoch [18/20], loss:0.0005
epoch [19/20], loss:0.0005
epoch [20/20], loss:0.0005
Training has Completed

Forward pass occurring
Forward pass completed

MultiModal_Thermal_T3_ONI_IR_T_2024-04-24-12-45-36

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STD Global Classification Results
TPR 0.767, FPR 0.368, Precision 0.018, Recall 0.767
tn 167443, fp 97361, fn 552, tp 1822
std_AUROC 0.741
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Mean Global Classification Results
TPR 0.679, FPR 0.247, Precision 0.024, Recall 0.679
tn 199494, fp 65310, fn 762, tp 1612
mean_AUROC 0.787
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d:\Abdul Rasheed NITT\Academics\Eigth Semester\FYP\Implementation\FallDetection\Code\func
tions.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,

```

()





