

Train Dataloader - 48

Test Dataloader - 173

Device Used - cuda

Model Used - Base_3DCAE

Feature Extraction - True

Background Subtraction - True

Background Subtraction Algorithm - GMG

Data Augmentation - False

Spatial Temporal Loss - False

Frame rate adjusted dataset - True

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 = L1Loss()

Training has Begun

epoch [1/20], loss:0.0009

epoch [2/20], loss:0.0005

epoch [3/20], loss:0.0004

epoch [4/20], loss:0.0004

epoch [5/20], loss:0.0003

epoch [6/20], loss:0.0002

epoch [7/20], loss:0.0003

epoch [8/20], loss:0.0001

epoch [9/20], loss:0.0001

epoch [10/20], loss:0.0003

epoch [11/20], loss:0.0001

epoch [12/20], loss:0.0001

epoch [13/20], loss:0.0001

epoch [14/20], loss:0.0001

epoch [15/20], loss:0.0001

epoch [16/20], loss:0.0001

epoch [17/20], loss:0.0001

epoch [18/20], loss:0.0001

epoch [19/20], loss:0.0001

epoch [20/20], loss:0.0001

Training has Completed

Forward pass occurring

Forward pass completed

Thermal_T3_2024-04-04-14-28-43

STD Global Classification Results

TPR 0.785, FPR 0.182, Precision 0.072, Recall 0.785

tn 108286, fp 24159, fn 510, tp 1864

std_AUROC 0.852

Mean Global Classification Results
TPR 0.827, FPR 0.240, Precision 0.058, Recall 0.827
tn 100713, fp 31732, fn 411, tp 1963
mean_AUROC 0.843

```
d:\Abdul Rasheed NITT\Academics\Eighth 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,
```





