



Train Dataloader - 48

Test Dataloader - 173

Device Used - cuda

Model Used - Base\_3DCAE

Key Frame Extraction - True

Key Frame Extraction Algorithm - BG\_Subtraction

Feature Extraction - True

Background Subtraction - True

Background Subtraction Algorithm - GMG

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 = MSELoss()

Training has Begun

epoch [1/20], loss:2649.4988

epoch [2/20], loss:2649.4497

epoch [3/20], loss:2649.3750

epoch [4/20], loss:2649.3442

epoch [5/20], loss:2649.3250

epoch [6/20], loss:2649.3142

epoch [7/20], loss:2649.3047

epoch [8/20], loss:2649.2900

epoch [9/20], loss:2649.2810

epoch [10/20], loss:2649.2742

epoch [11/20], loss:2649.2676

epoch [12/20], loss:2649.2612

epoch [13/20], loss:2649.2571

epoch [14/20], loss:2649.2529

epoch [15/20], loss:2649.2473

epoch [16/20], loss:2649.2434

epoch [17/20], loss:2649.2417

epoch [18/20], loss:2649.2390

epoch [19/20], loss:2649.2354

epoch [20/20], loss:2649.2300

Training has Completed

Forward pass occurring

Forward pass completed

Thermal\_T3\_2024-04-05-20-46-04

-----  
STD Global Classification Results

TPR 0.843, FPR 0.413, Precision 0.090, Recall 0.843

tn 11265, fp 7941, fn 147, tp 787

std\_AUROC 0.777

```
-----  
-----  
Mean Global Classification Results  
TPR 0.754, FPR 0.505, Precision 0.068, Recall 0.754  
tn 9510, fp 9696, fn 230, tp 704  
mean_AUROC 0.643  
-----
```

[illegible]

```
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 thresholds.
  warnings.warn(
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,
```





