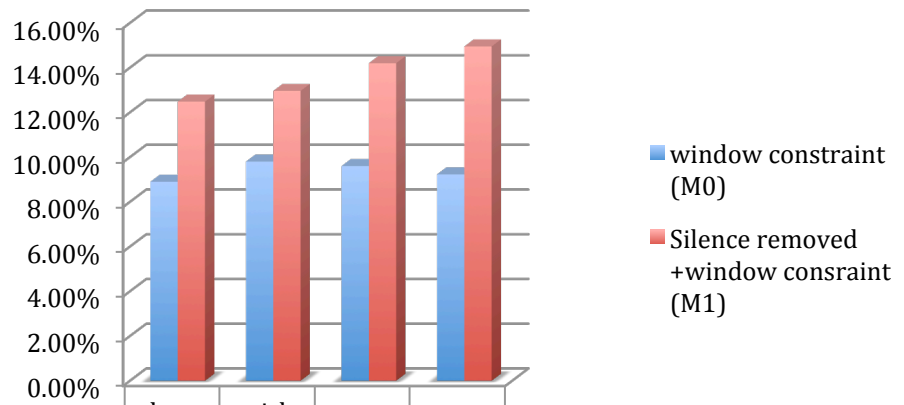
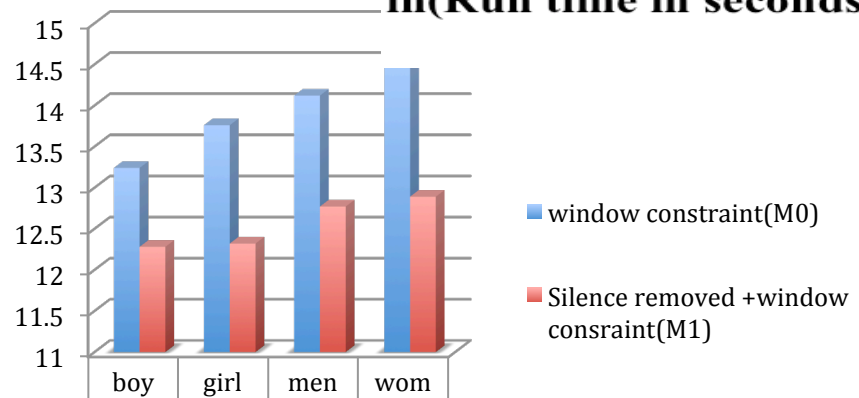


## Accuracy



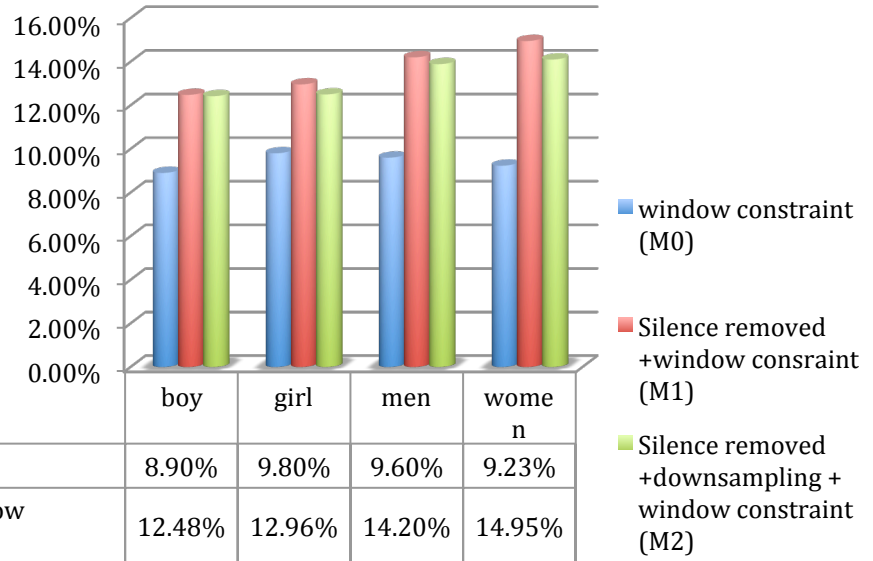
	boy	girl	men	women
window constraint(M0)	8.90%	9.80%	9.60%	9.23%
Silence removed +window constraint(M1)	12.48%	12.96%	14.20%	14.95%

## In(Run time in seconds)



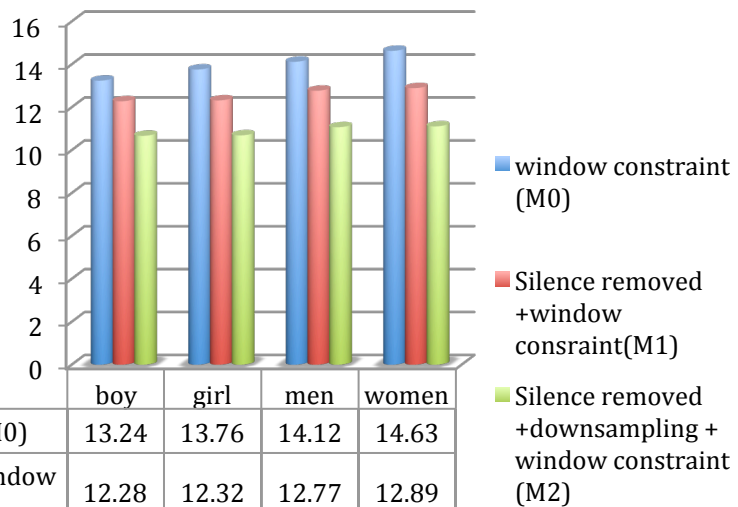
	boy	girl	men	women
window constraint(M0)	13.24	13.76	14.12	14.63
Silence removed +window constraint(M1)	12.28	12.32	12.77	12.89

## Accuracy

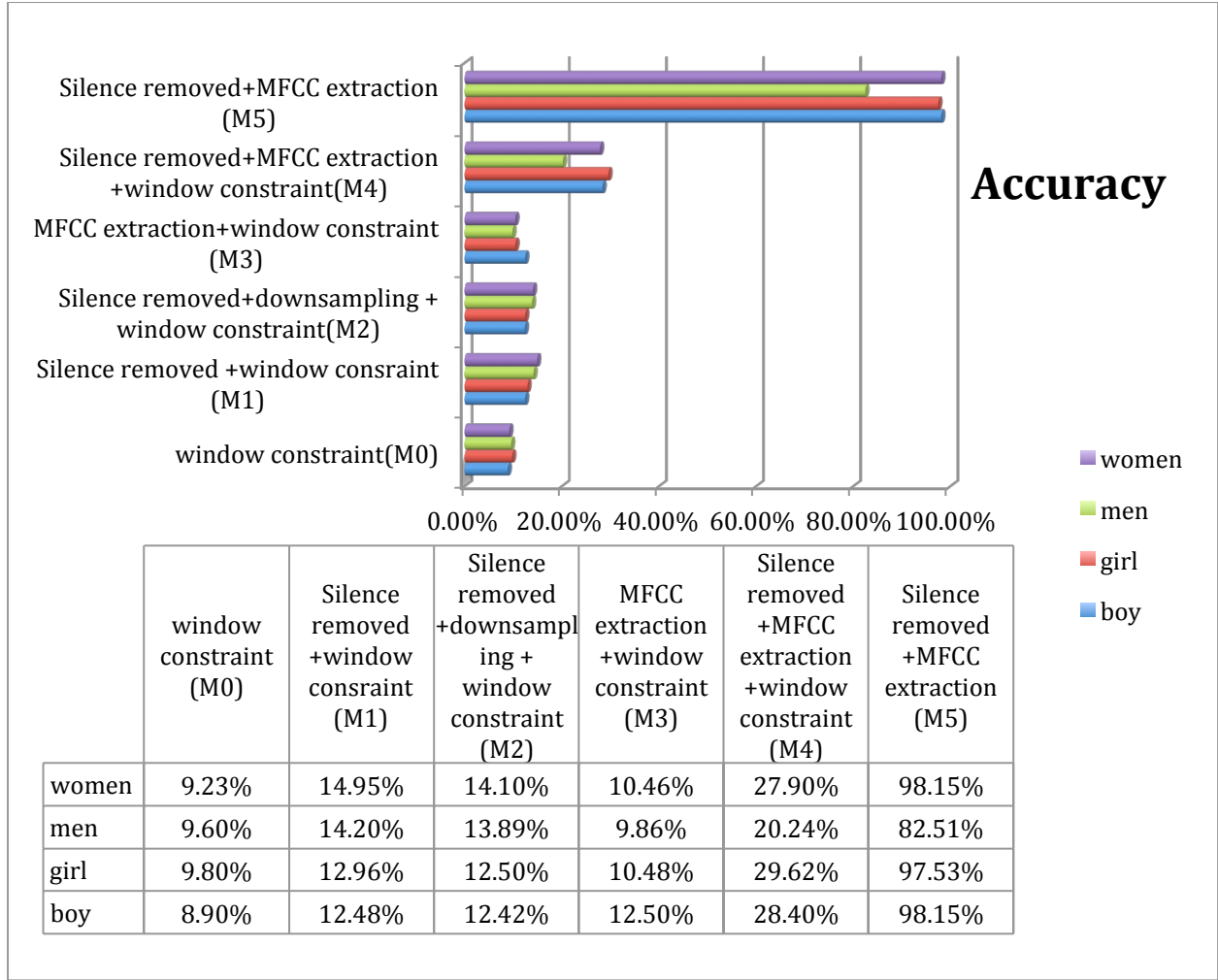


window constraint(M0)	8.90%	9.80%	9.60%	9.23%
Silence removed +window consraint(M1)	12.48%	12.96%	14.20%	14.95%
Silence removed+downsampling + window constraint(M2)	12.42%	12.50%	13.89%	14.10%

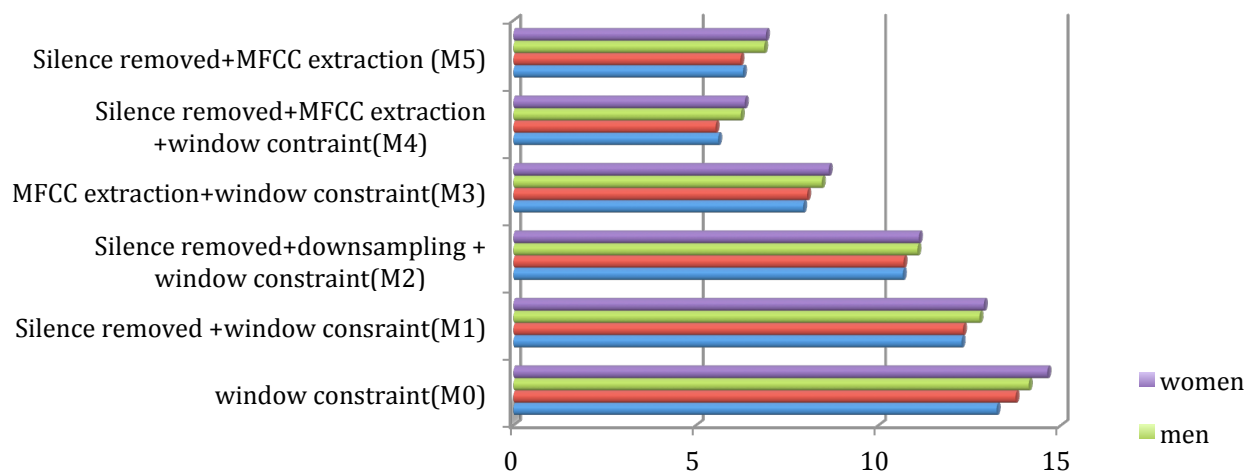
## ln(Run time in seconds)



window constraint(M0)	13.24	13.76	14.12	14.63
Silence removed +window consraint(M1)	12.28	12.32	12.77	12.89
Silence removed +downsampling + window constraint(M2)	10.67	10.69	11.07	11.11

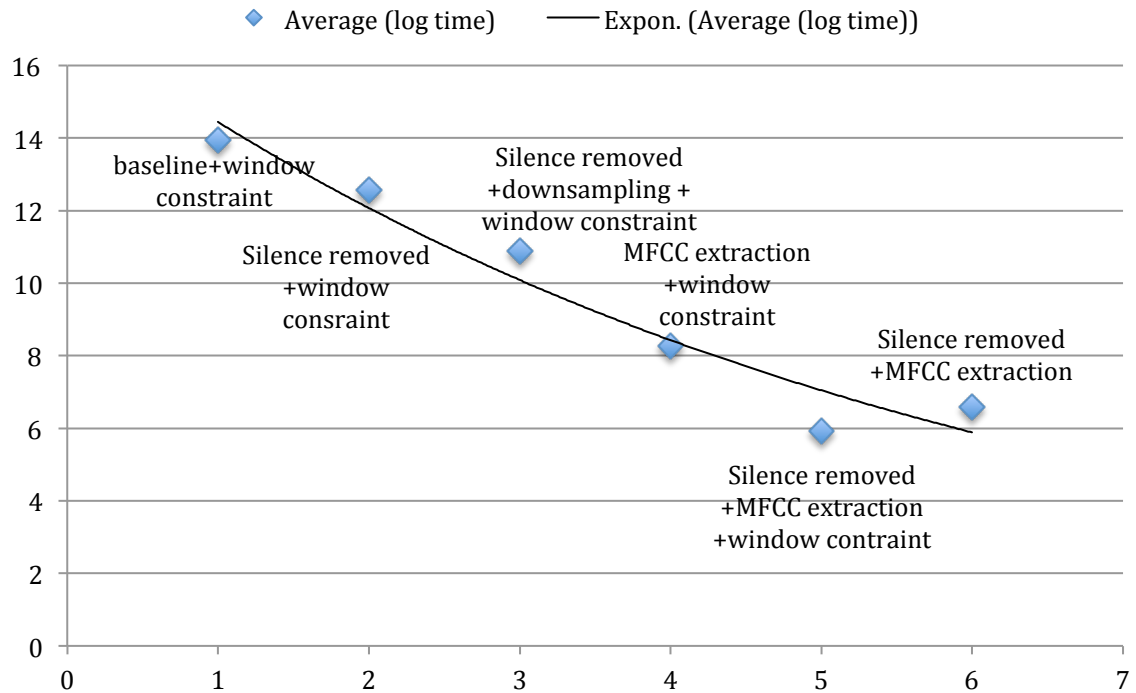


## ln(Run time in seconds)

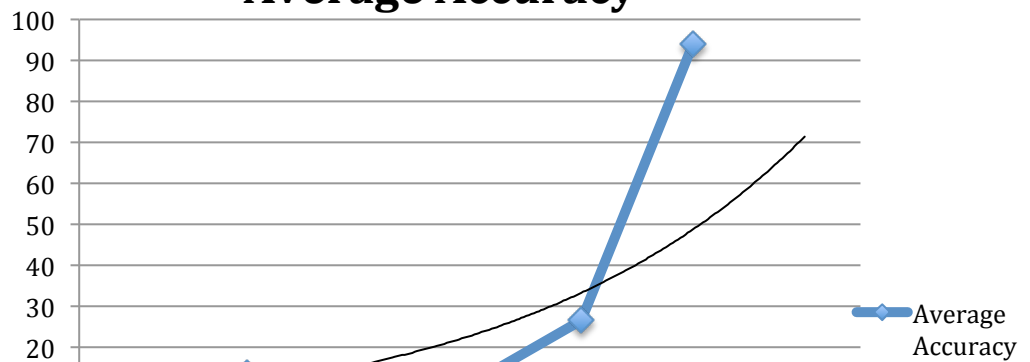


	window constraint (M0)	Silence removed +window consraint (M1)	Silence removed +downsampl ing + window constraint (M2)	MFCC extraction +window constraint (M3)	Silence removed +MFCC extraction +window constraint (M4)	Silence removed +MFCC extraction (M5)
women	14.63	12.89	11.11	8.64	6.34	6.92
men	14.12	12.77	11.07	8.45	6.23	6.87
girl	13.76	12.32	10.69	8.05	5.54	6.22
boy	13.24	12.28	10.67	7.94	5.61	6.29

## Average (ln (time))

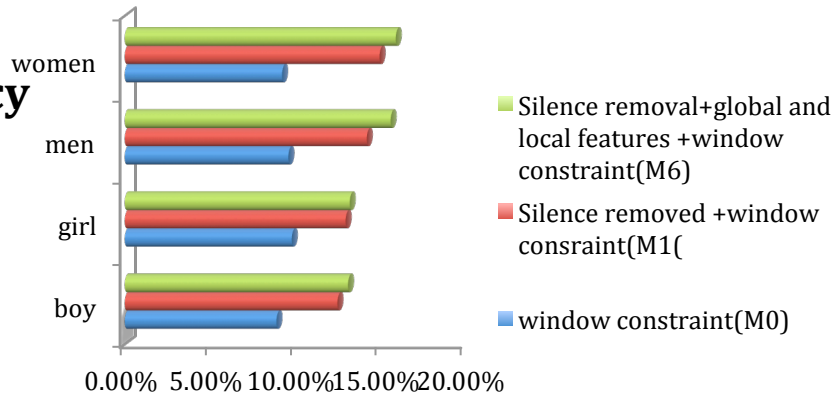


## Average Accuracy



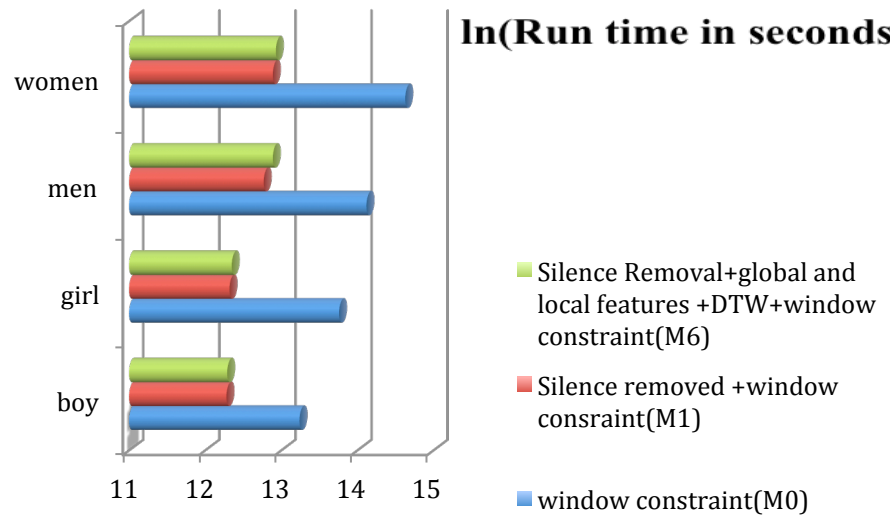
	baseline+window constraint	Silence removed +window constraint	Silence removed +downsampling + window constraint	MFCC extraction +window constraint	Silence removed +MFCC extraction +window constraint	Silence removed +MFCC extraction	
Average Accuracy	9.38	13.64	12.54	10.83	26.54	94.08	

## Accuracy



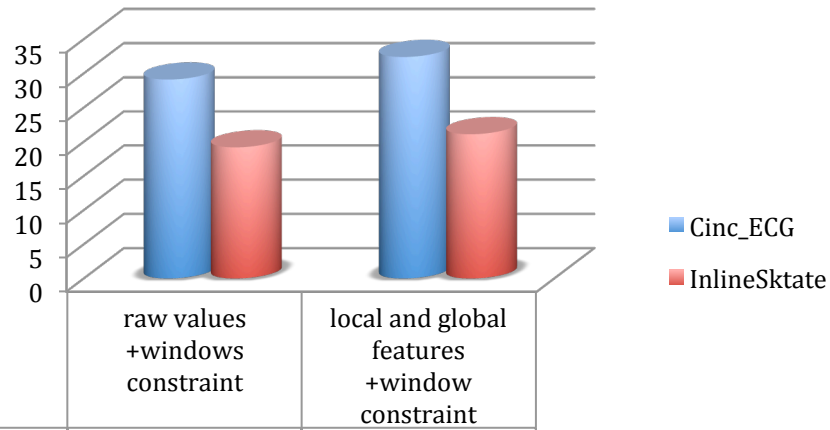
	boy	girl	men	women
Silence removal+global and local features +window constraint (M6)	13.10%	13.20%	15.60%	15.90%
Silence removed +window consraint(M1)	12.48%	12.96%	14.20%	14.95%
window constraint(M0)	8.90%	9.80%	9.60%	9.23%

## In(Run time in seconds)



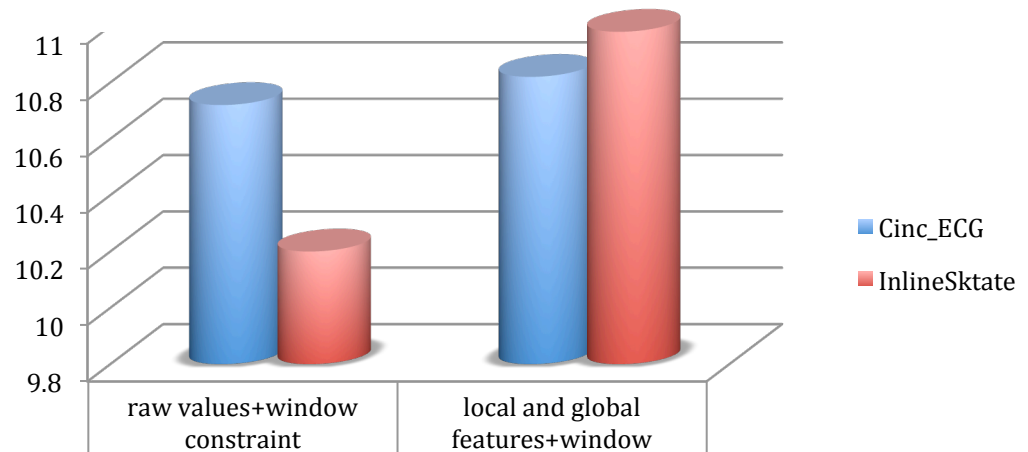
	boy	girl	men	women
Silence Removal+global and local features +DTW+window constraint(M6)	12.29	12.35	12.89	12.93
Silence removed +window constraint(M1)	12.28	12.32	12.77	12.89
window constraint(M0)	13.24	13.76	14.12	14.63

## Accuracy(%)



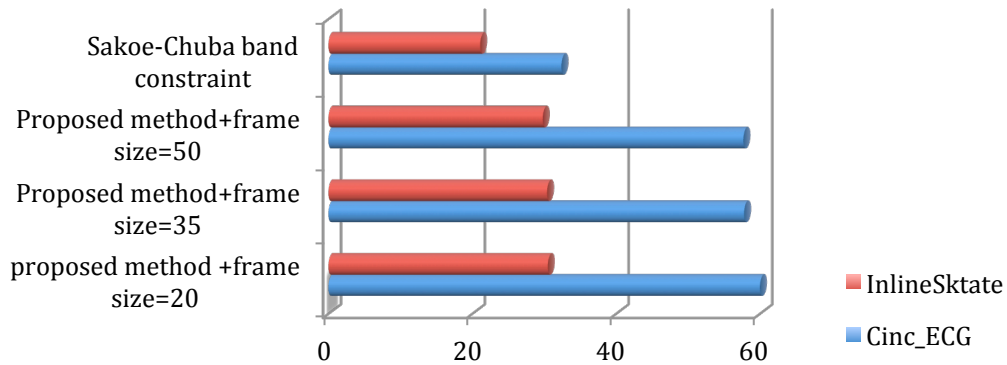
Cinc_ECG	29.1	32.4
InlineSkate	19.18	21.1

## In(Run time in seconds)



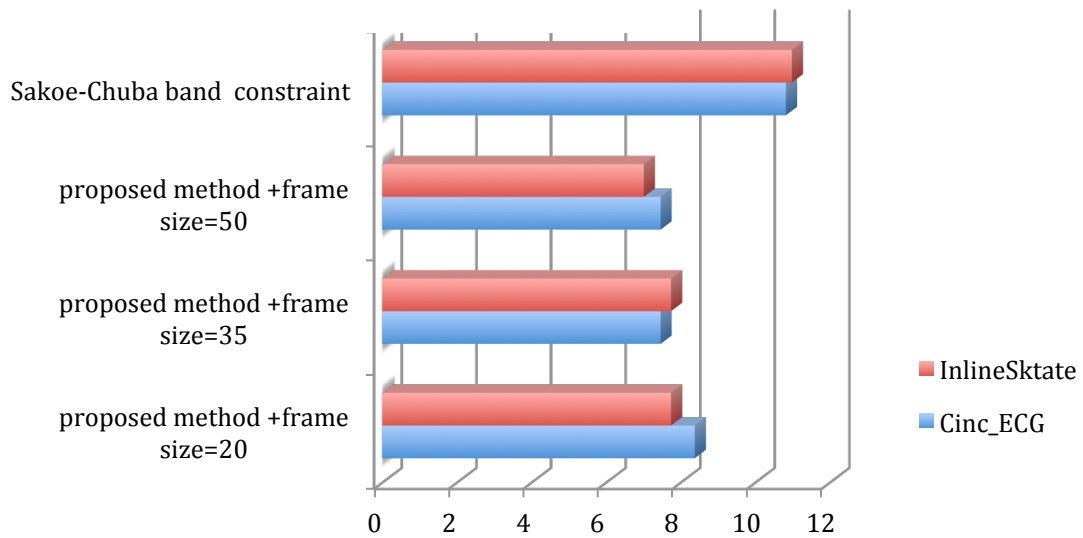
Cinc_ECG	10.72	10.82
InlineSkate	10.2	10.98

## Accuracy



	proposed method +frame size=20	Proposed method +frame size=35	Proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	30.5	30.4	29.8	21.1
Cinc_ECG	60	57.8	57.7	32.4

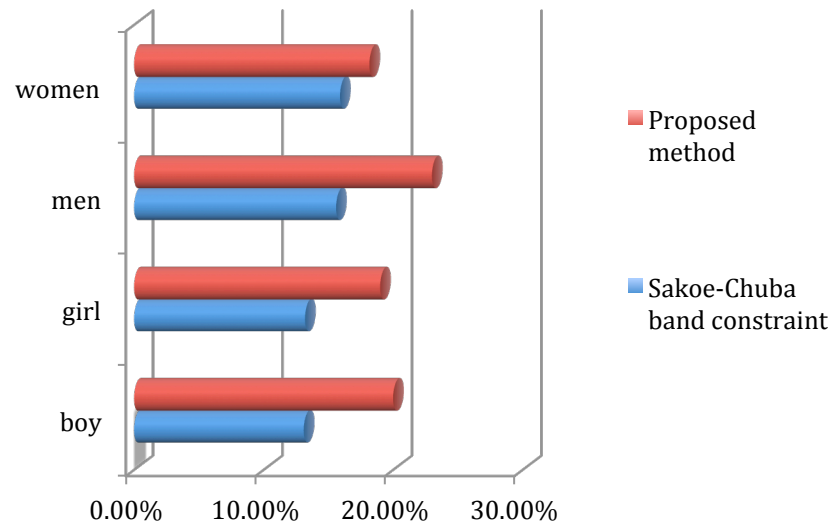
## In(Run time in seconds)



	proposed method +frame size=20	proposed method +frame size=35	proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	7.74	7.74	7.01	10.98
Cinc_ECG	8.377	7.46	7.46	10.82

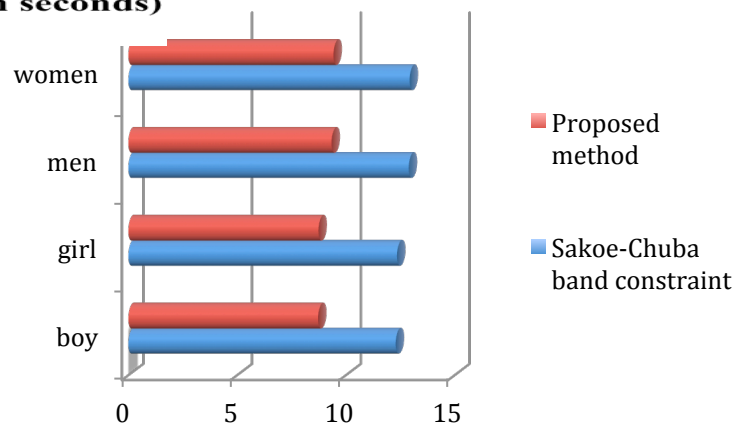


## Accuracy



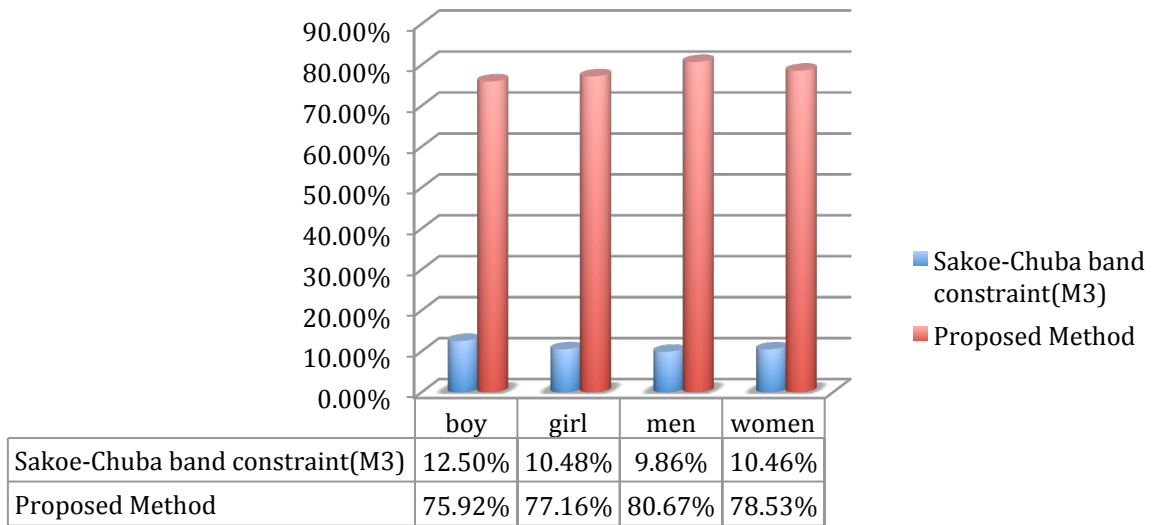
	boy	girl	men	women
Proposed method	20%	19.00%	23%	18.17%
Sakoe-Chuba band constraint	13.10%	13.20%	15.60%	15.90%

## In(Run time in seconds)

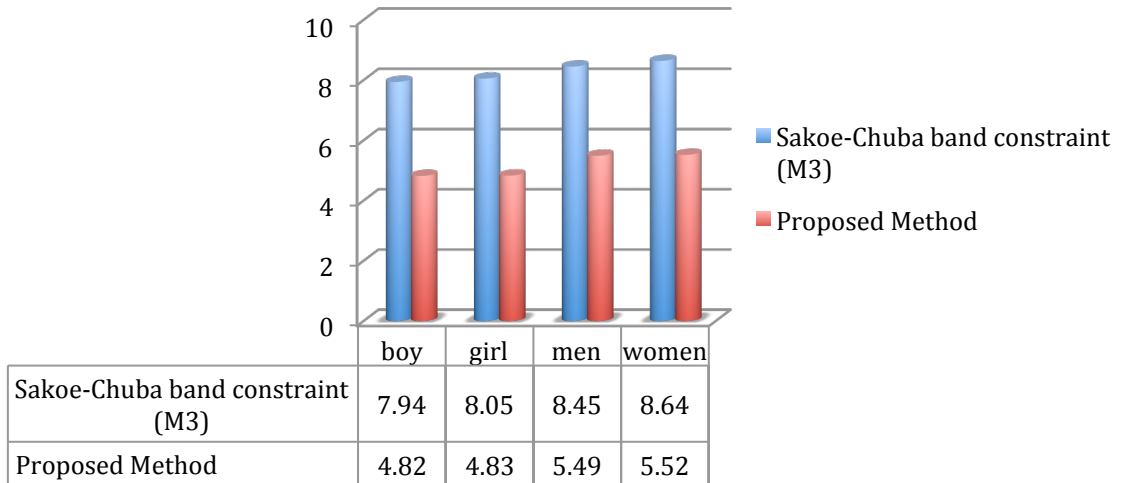


	boy	girl	men	women
Proposed method	8.72	8.74	9.34	9.43
Sakoe-Chuba band constraint	12.29	12.35	12.89	12.93

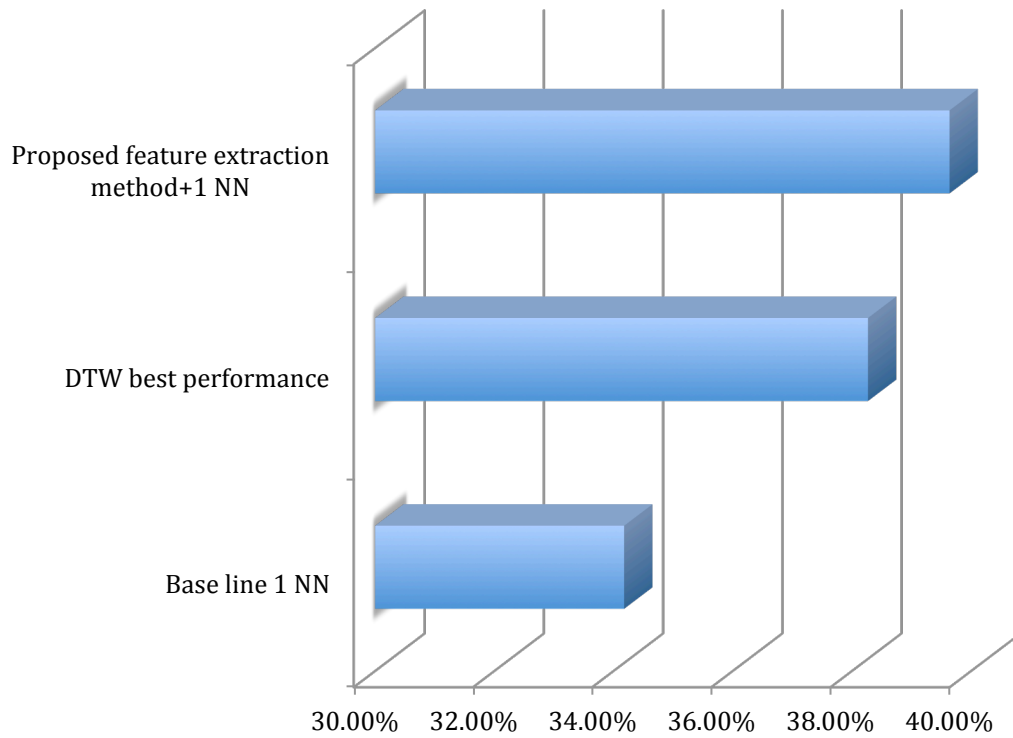
## Accuracy



## In(Run time in seconds)

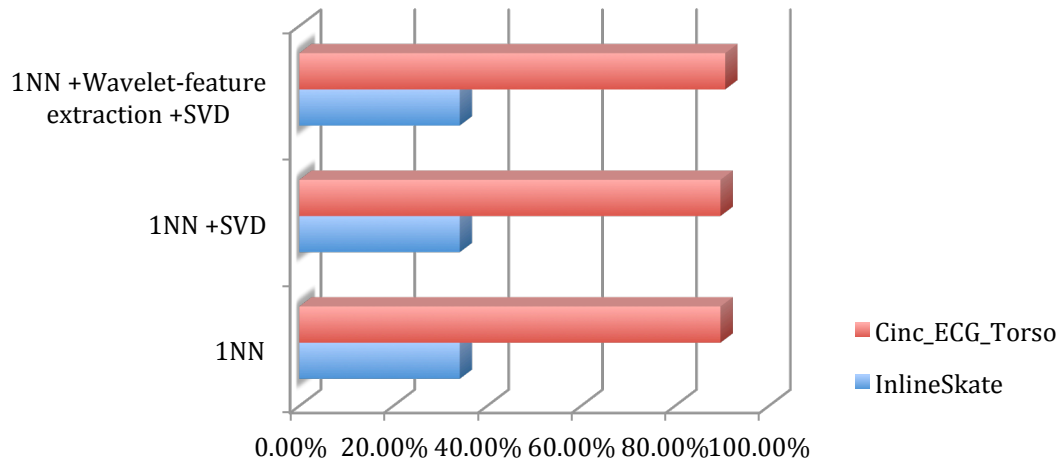


## InlineSkate



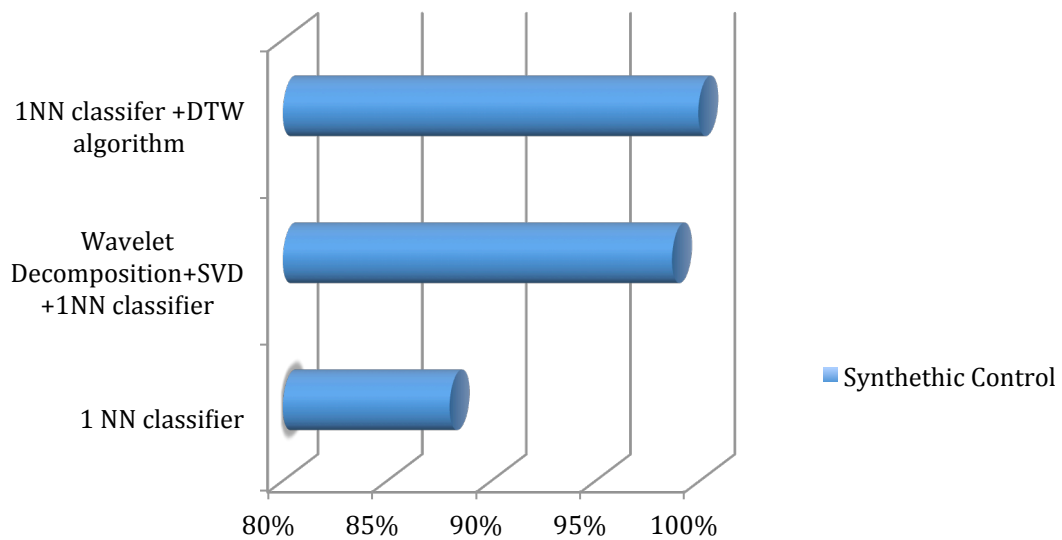
	Base line 1 NN	DTW best performance	Proposed feature extraction method+1 NN
InlineSkate	34.18%	38.27%	39.64%

## Accuracy



	1NN	1NN +SVD	1NN +Wavelet-feature extraction +SVD
Cinc_ECG_Torso	89.71%	89.71%	90.72%
InlineSkate	34.18%	34.18%	34.18%

## Synthetic Control



	1 NN classifier	Wavelet Decompositio n+SVD+1NN classifier	1NN classifier +DTW algorithm
Synthetic Control	88%	98.67%	99.93%