

Appendix A

1: Young Participant 1

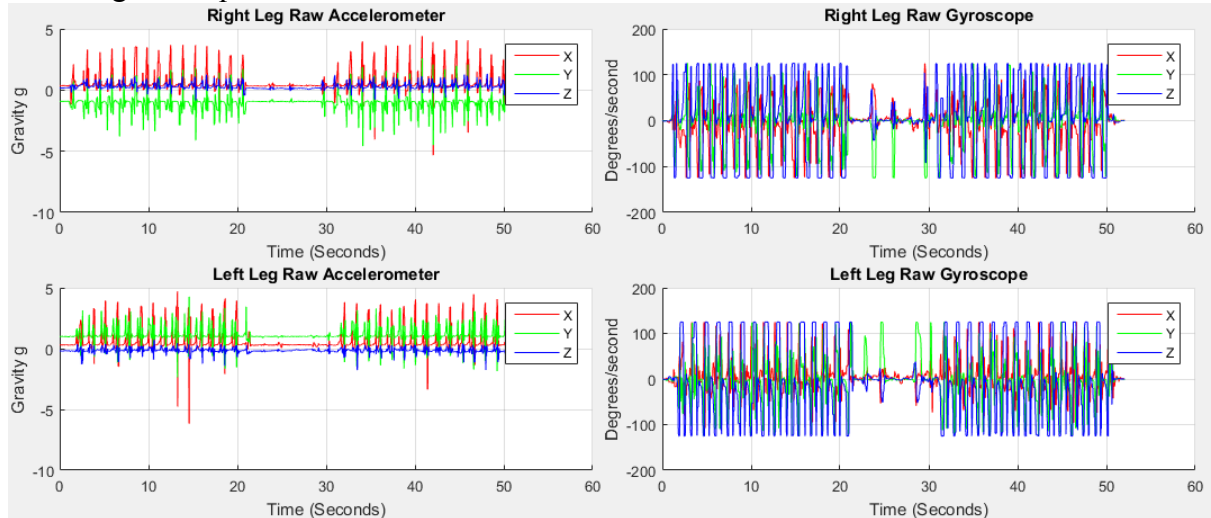


Figure 1.1: Accelerometer and gyroscope data from right and left legs

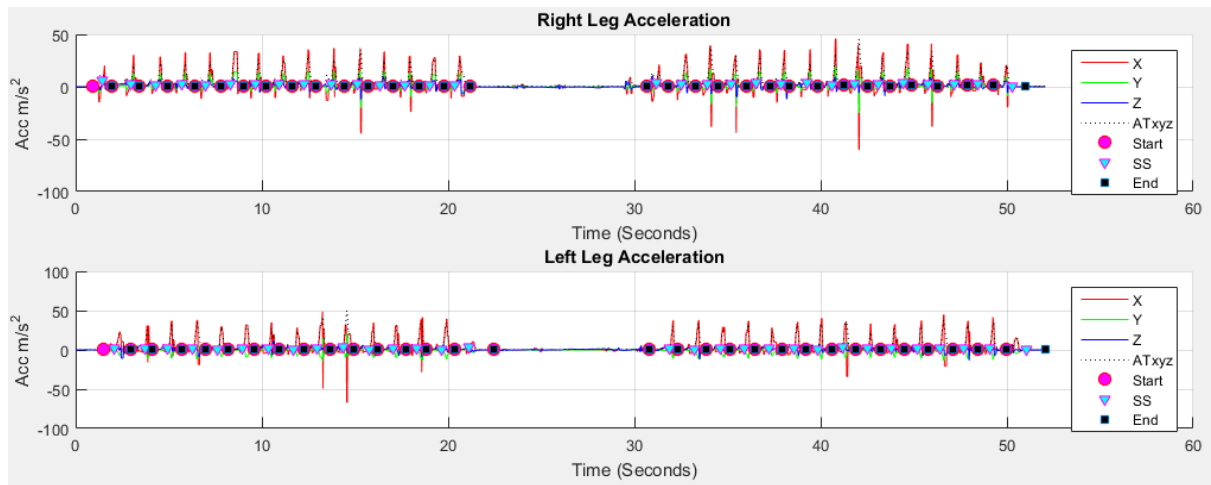


Figure 1.2: Result of stride, stance and swing event detection using proposed method

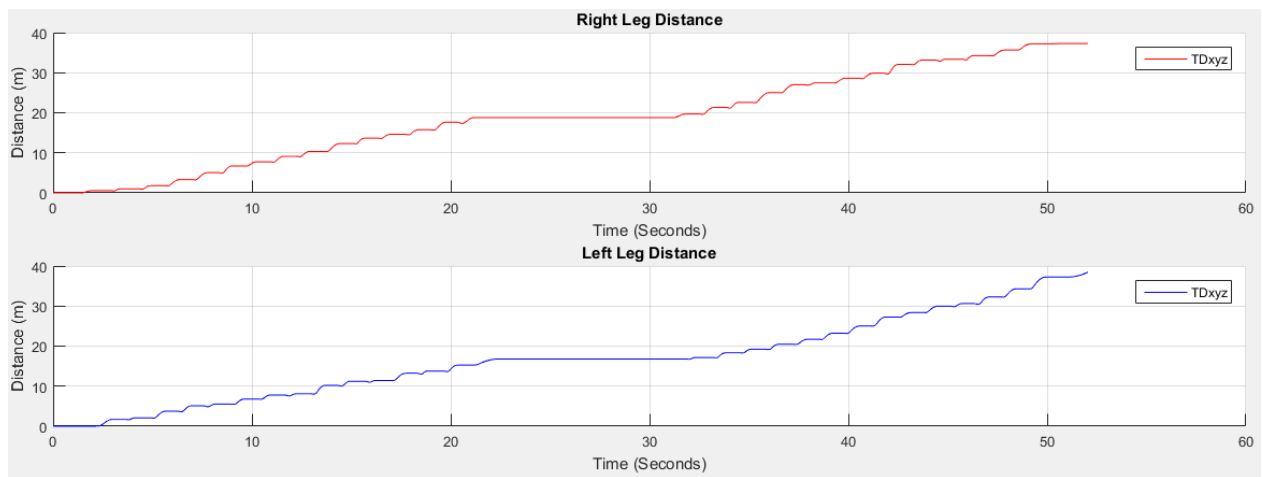


Figure 1.3: Result of distance estimation using proposed method

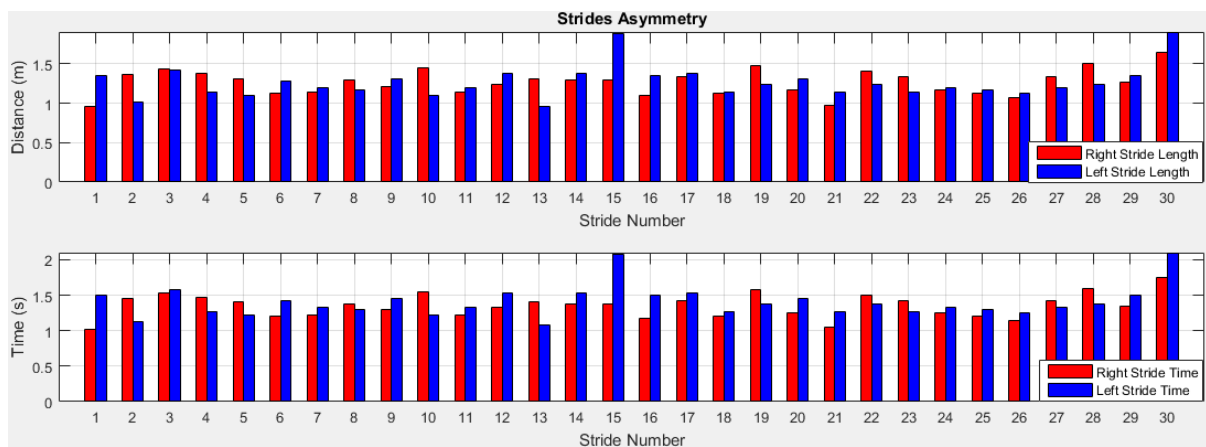


Figure 1.4: Stride asymmetry estimation of right and left legs

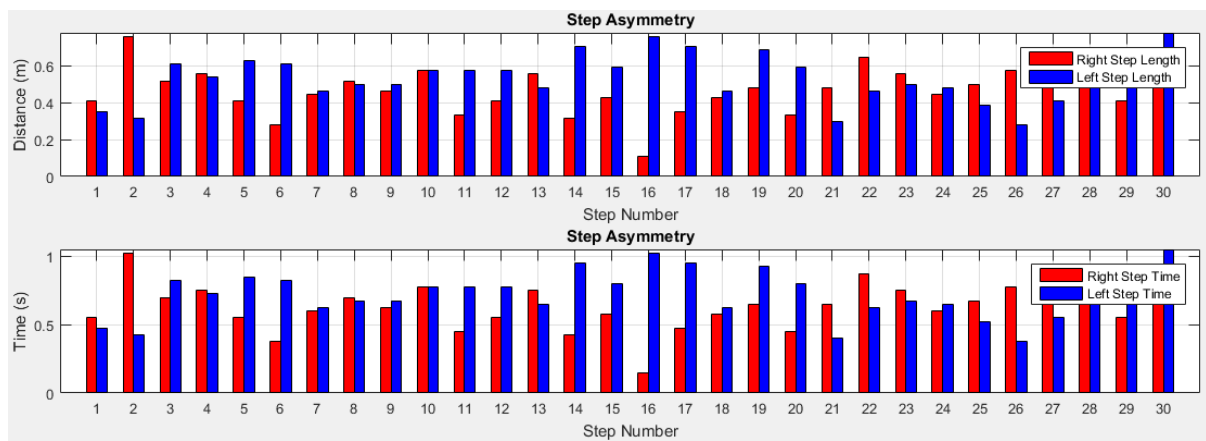


Figure 1.5: Step asymmetry estimation of right and left legs

2: Young Participant 2

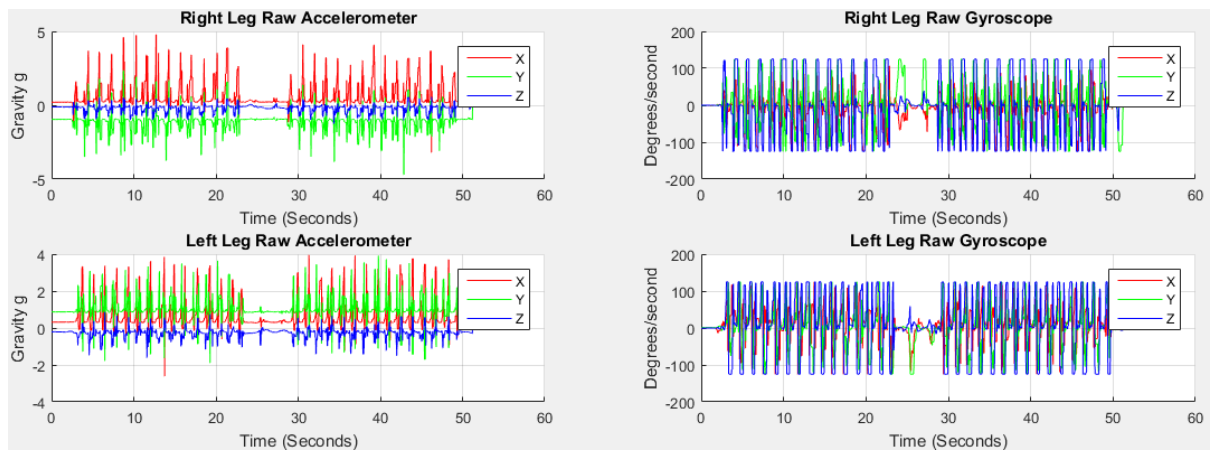


Figure 2.1: Accelerometer and gyroscope data from right and left legs

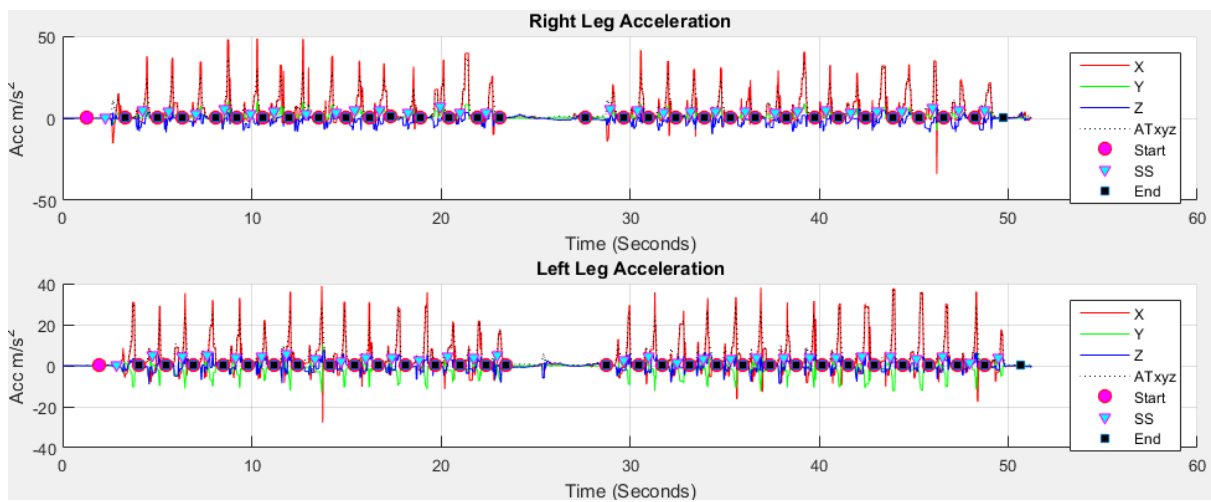


Figure 2.2: Result of stride, stance and swing event detection using proposed method

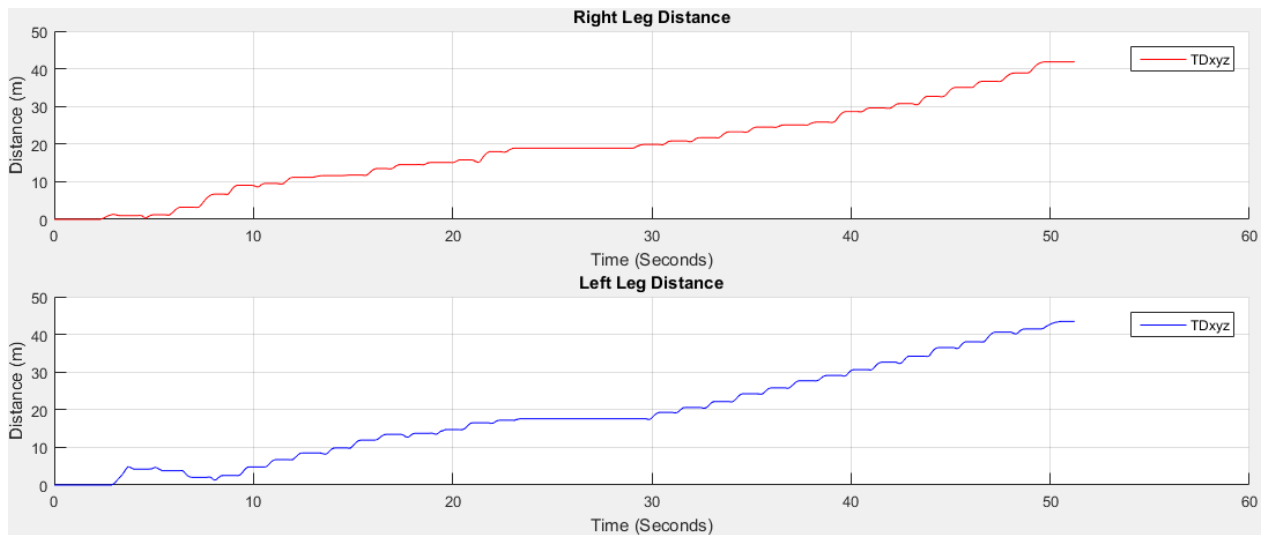


Figure 2.3: Result of distance estimation using proposed method

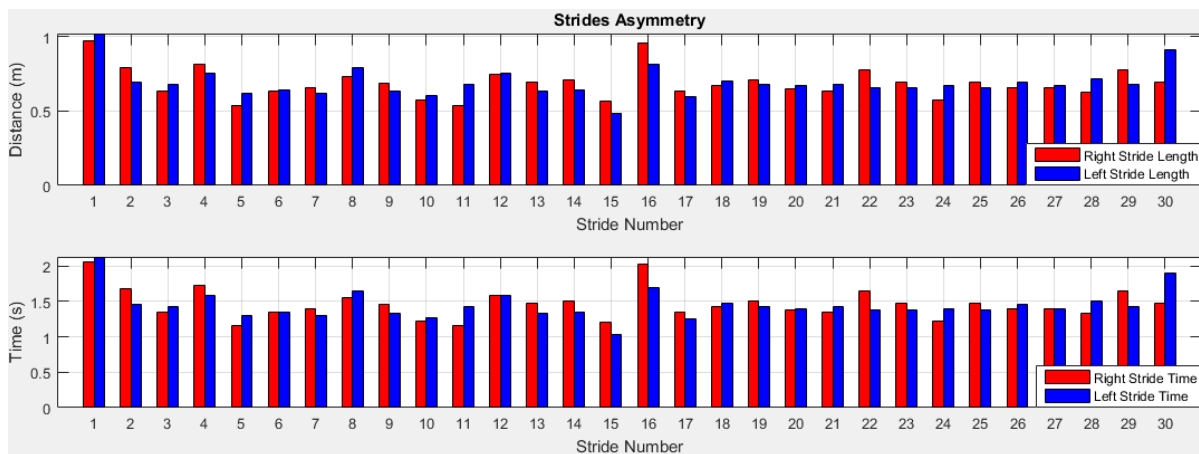


Figure 2.4: Stride asymmetry estimation of right and left legs

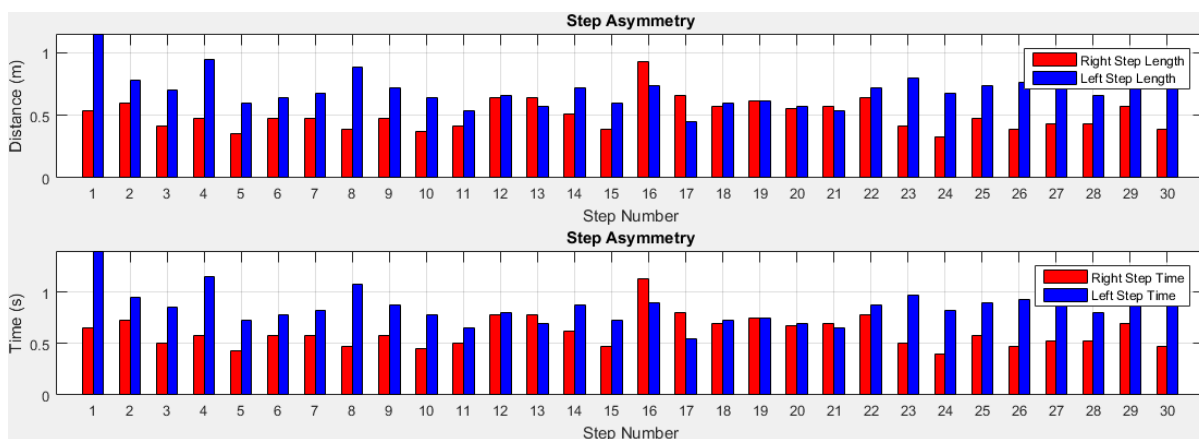


Figure 2.5: Step asymmetry estimation of right and left legs

3: Young Participant 3

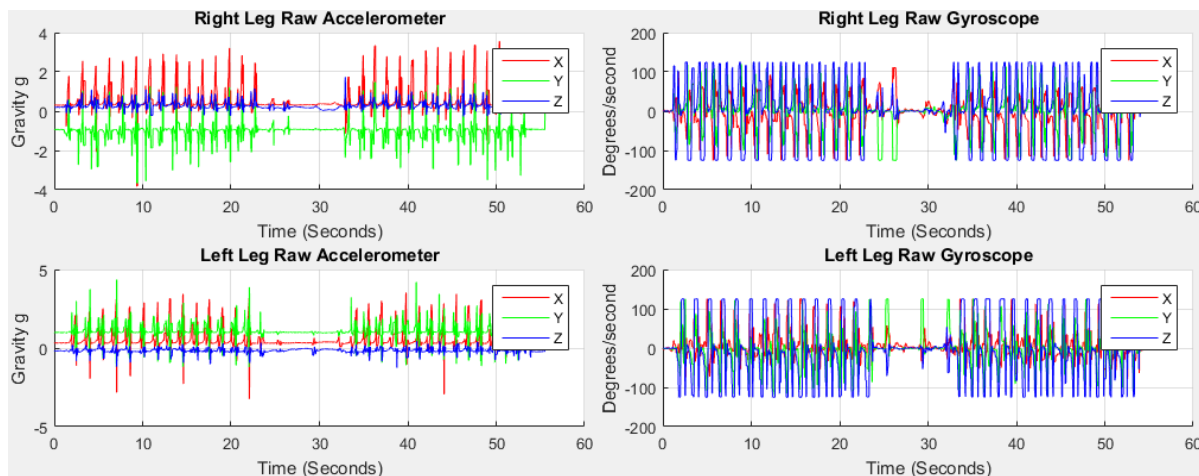


Figure 3.1: Accelerometer and gyroscope data from right and left legs

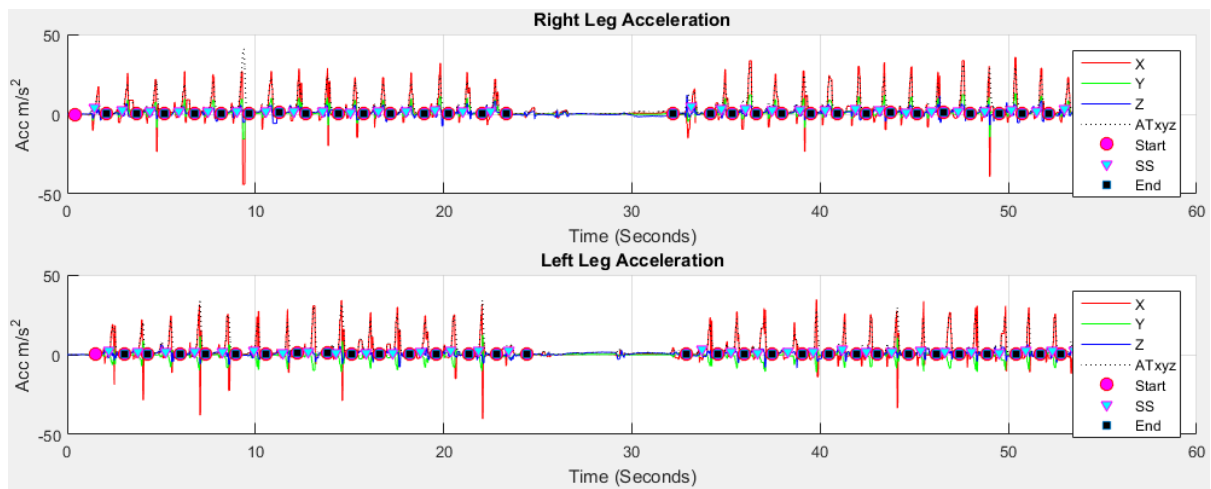


Figure 3.2: Result of stride, stance and swing event detection using proposed method

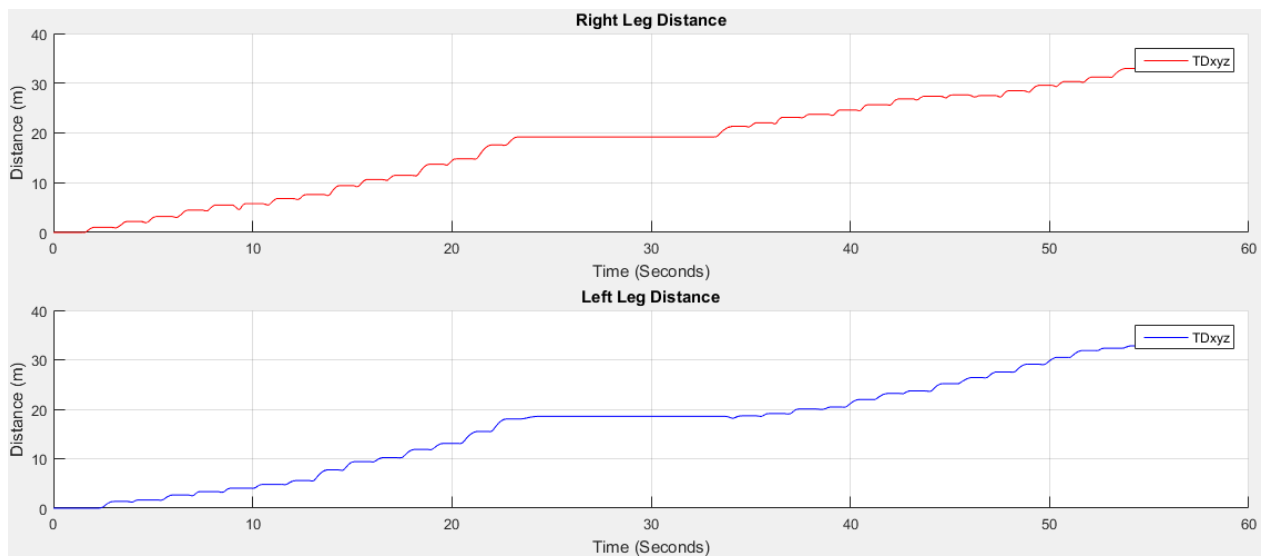


Figure 3.3: Result of distance estimation using proposed method

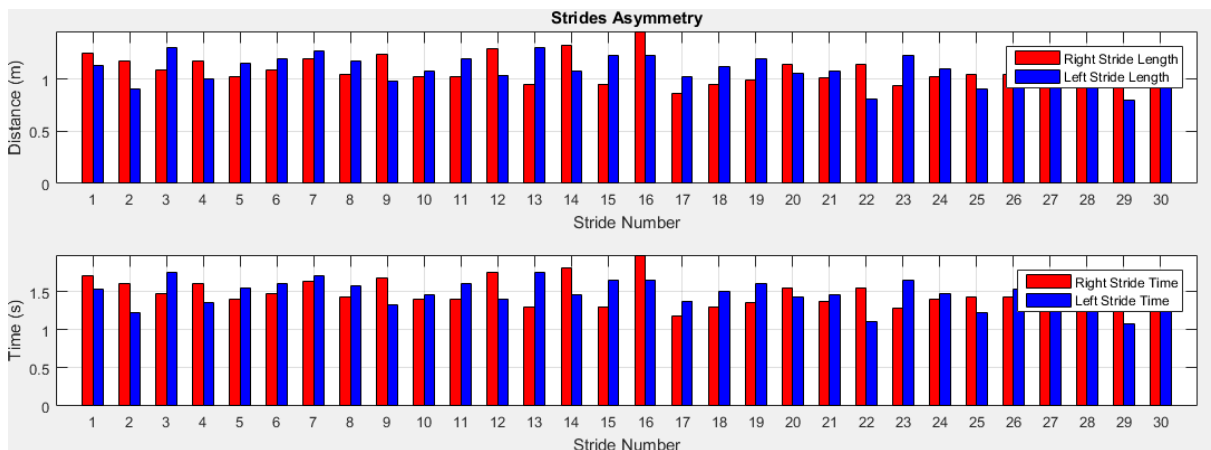


Figure 3.4: Stride asymmetry estimation of right and left legs

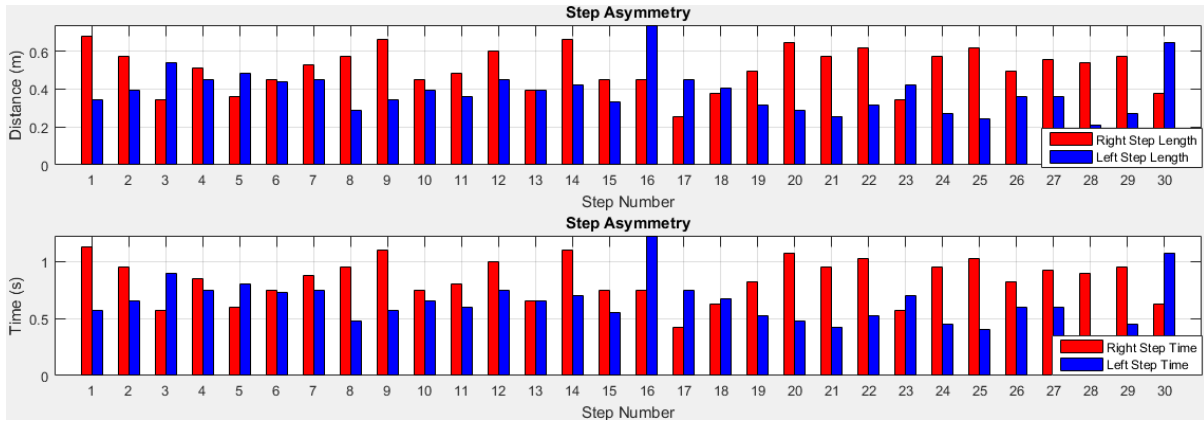


Figure 3.5: Step asymmetry estimation of right and left legs

4: Young Participant 4

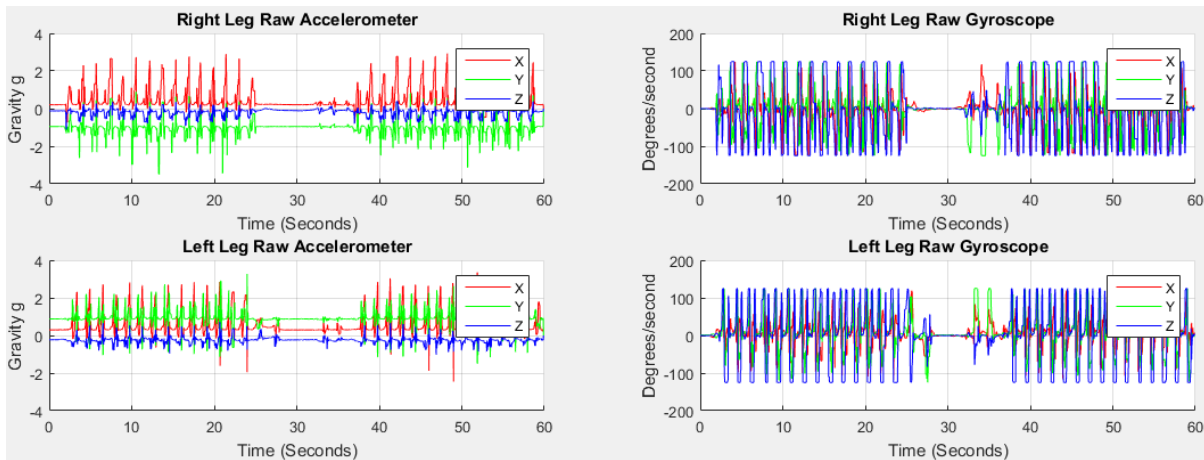


Figure 4.1: Accelerometer and gyroscope data from right and left legs

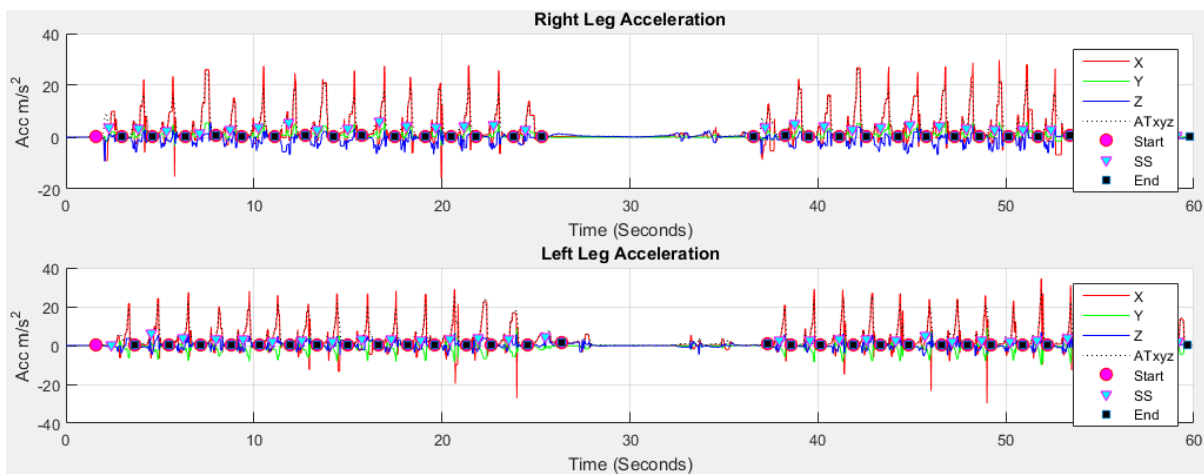


Figure 4.2: Result of stride, stance and swing event detection using proposed method

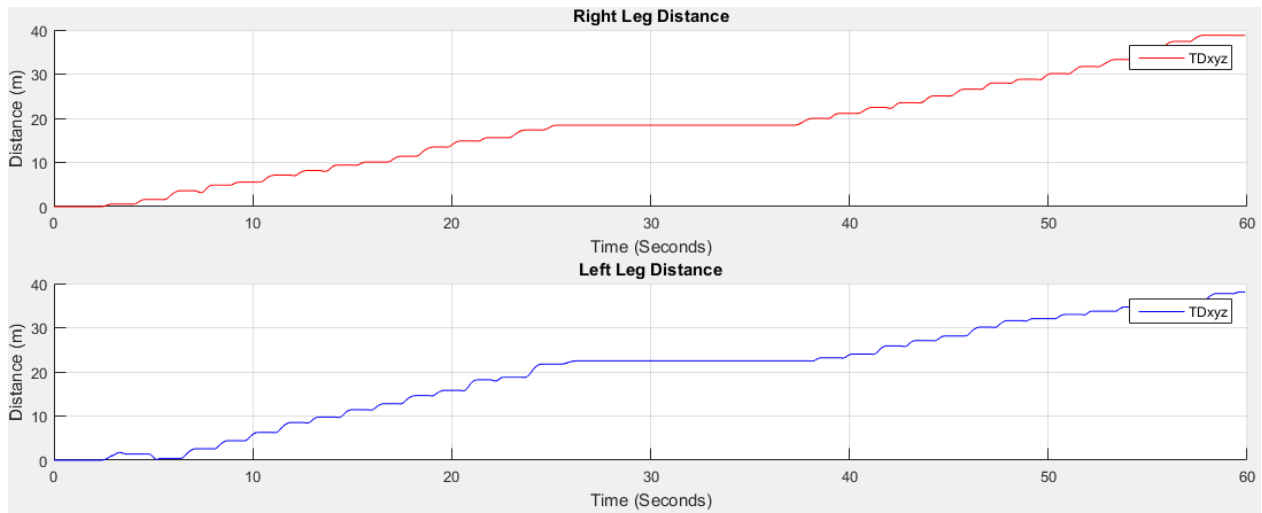


Figure 4.3: Result of distance estimation using proposed method

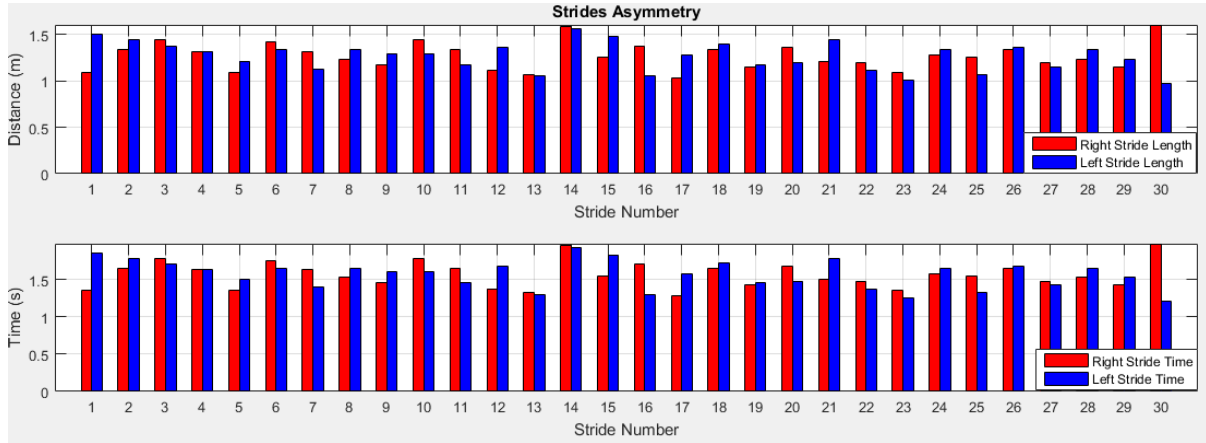


Figure 4.4: Stride asymmetry estimation of right and left legs

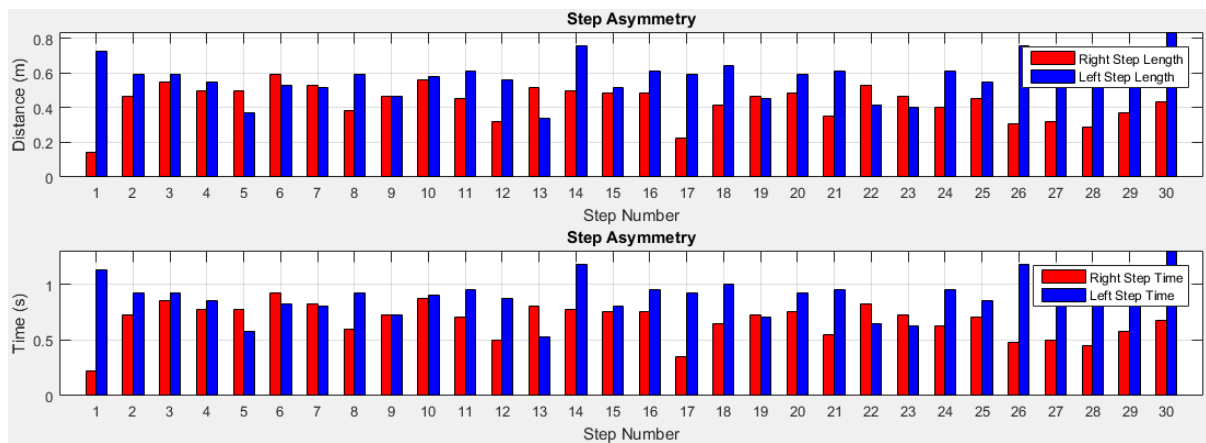


Figure 4.5: Step asymmetry estimation of right and left legs

5: Young Participant 5

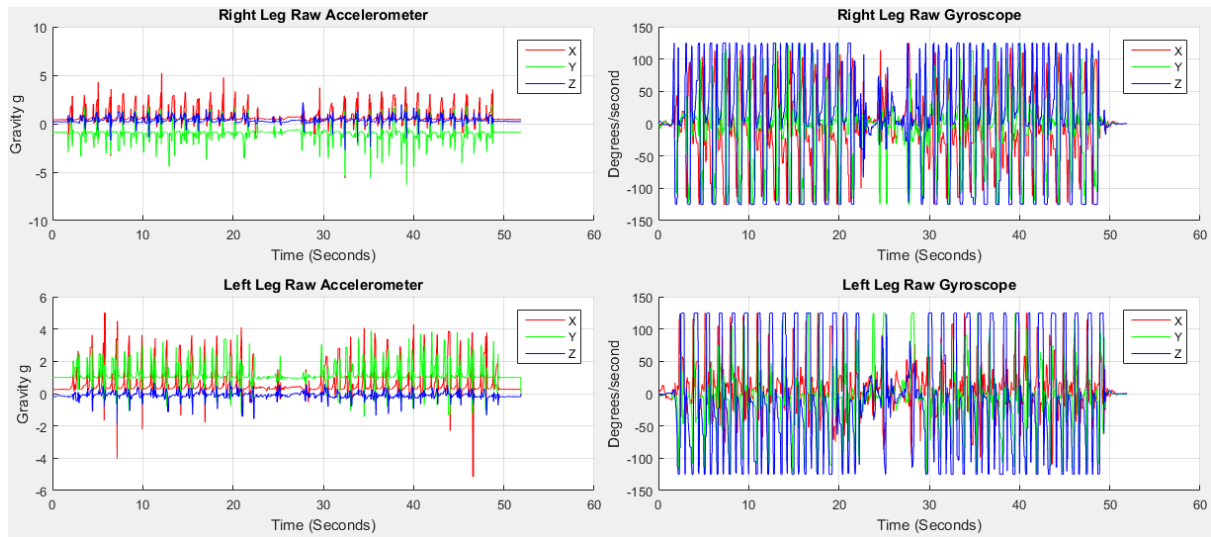


Figure 5.1: Accelerometer and gyroscope data from right and left legs

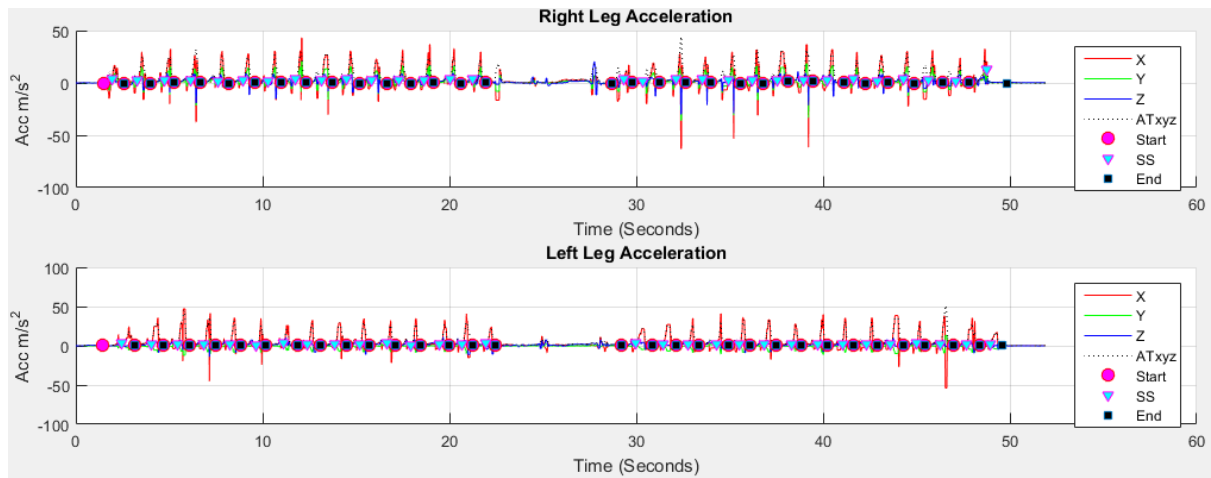


Figure 5.2: Result of stride, stance and swing event detection using proposed method

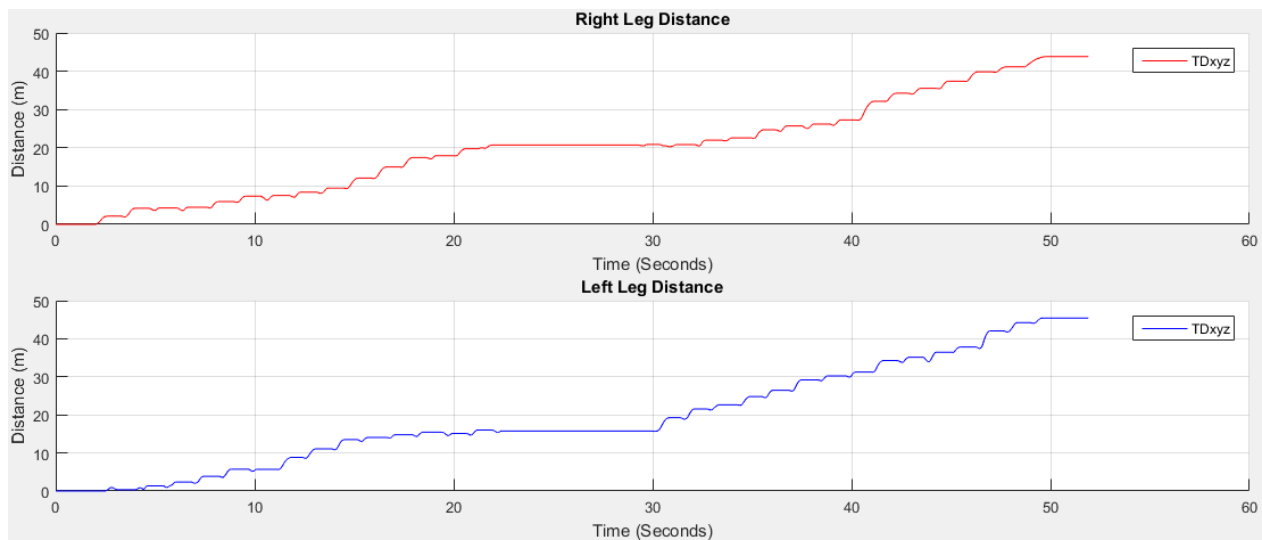


Figure 5.3: Result of distance estimation using proposed method

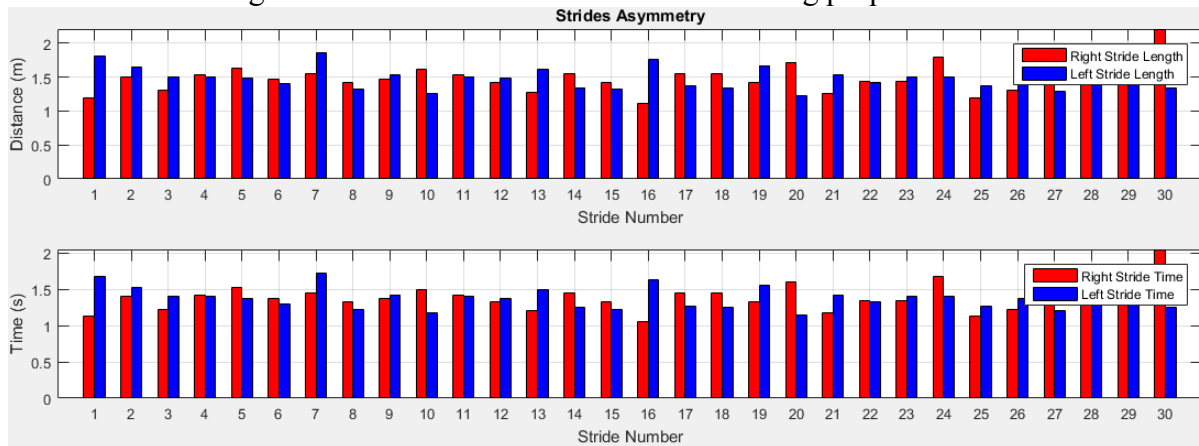


Figure 5.4: Stride asymmetry estimation of right and left legs

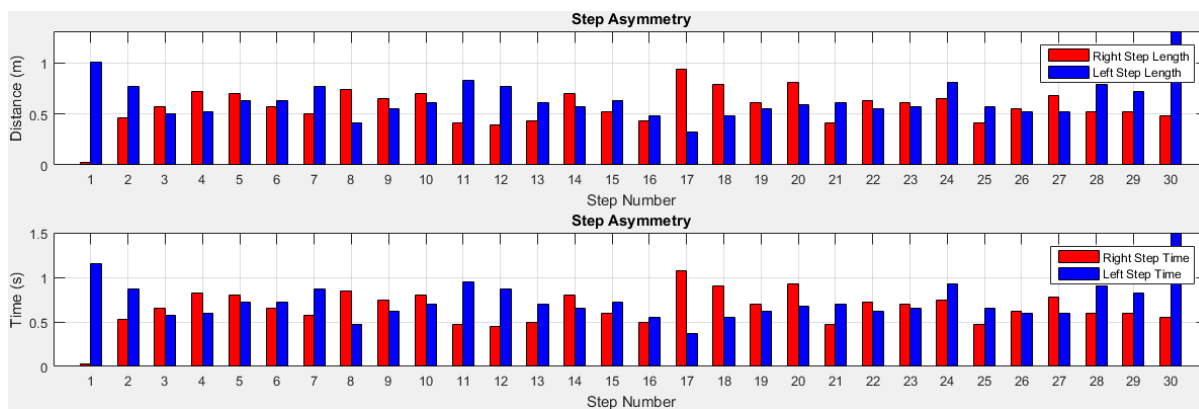


Figure 5.5: Step asymmetry estimation of right and left legs

6: Young Participant 6

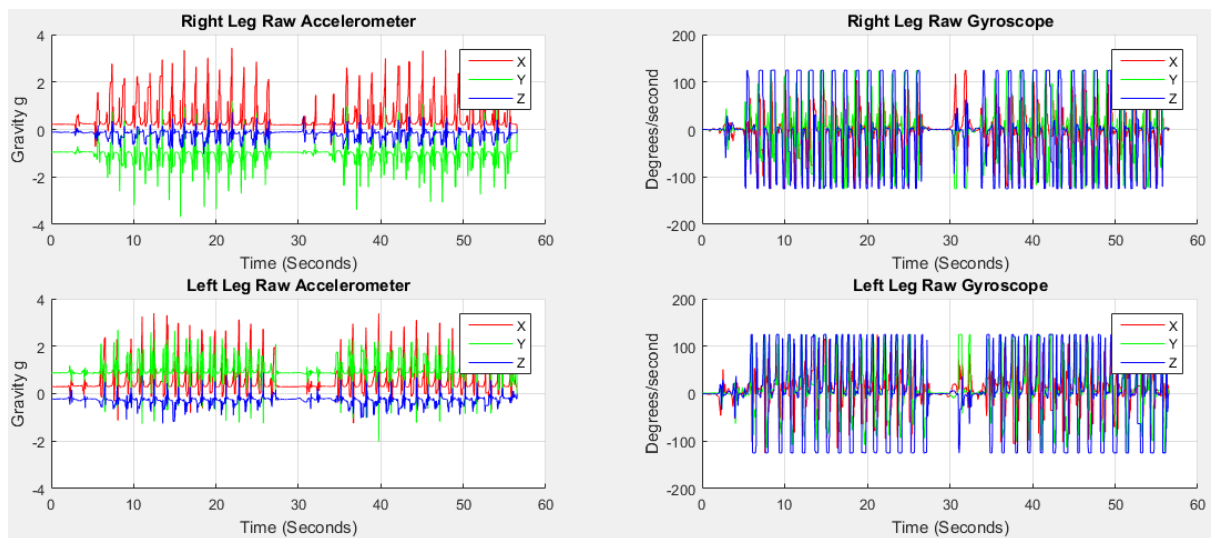


Figure 6.1: Accelerometer and gyroscope data from right and left legs

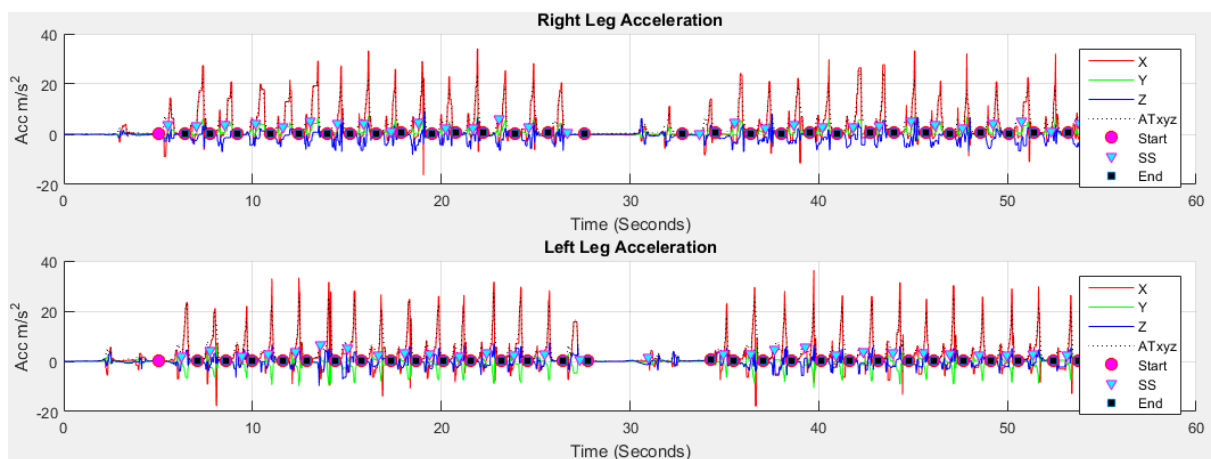


Figure 6.2: Result of stride, stance and swing event detection using proposed method

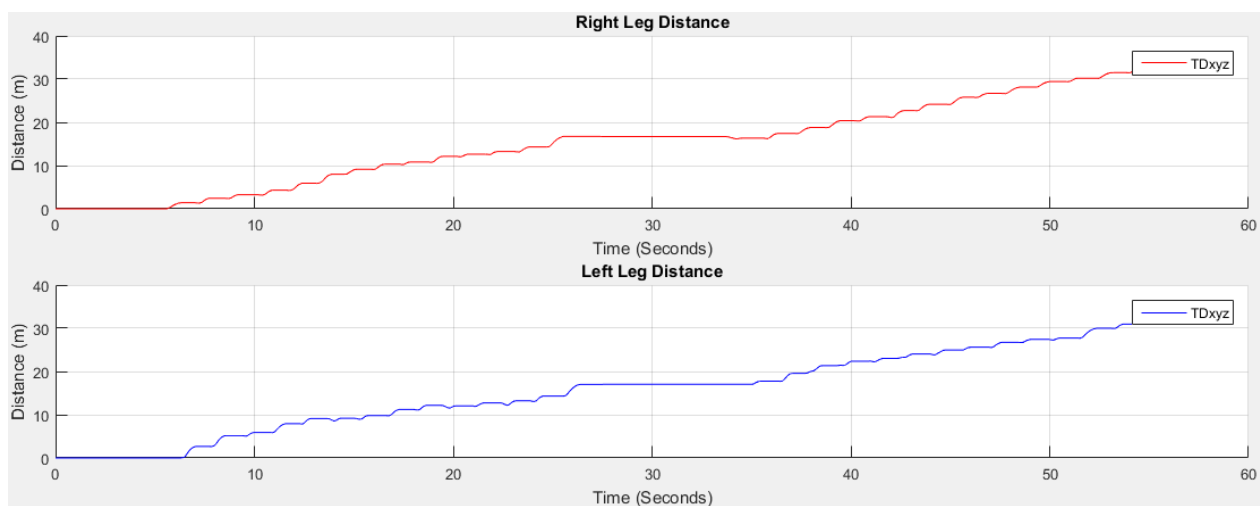


Figure 6.3: Result of distance estimation using proposed method

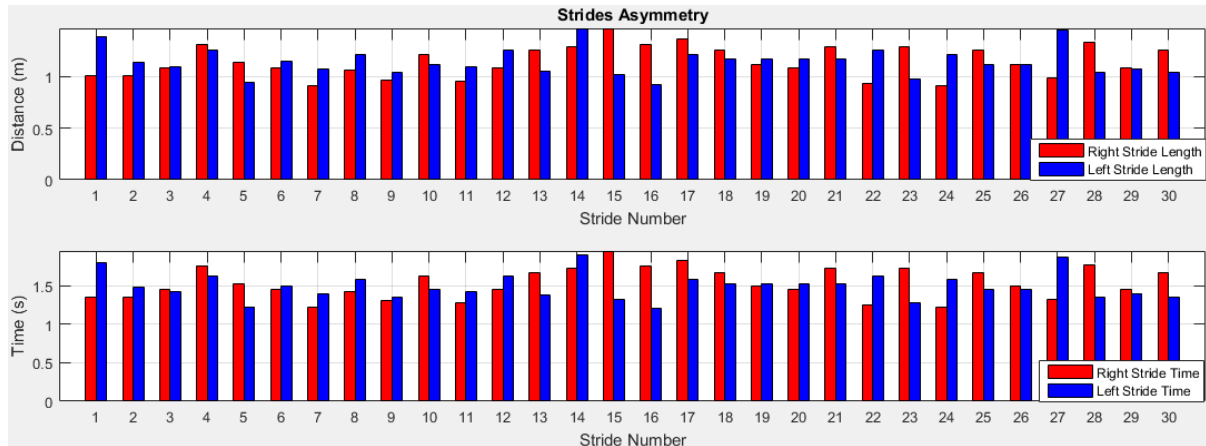


Figure 6.4: Stride asymmetry estimation of right and left legs

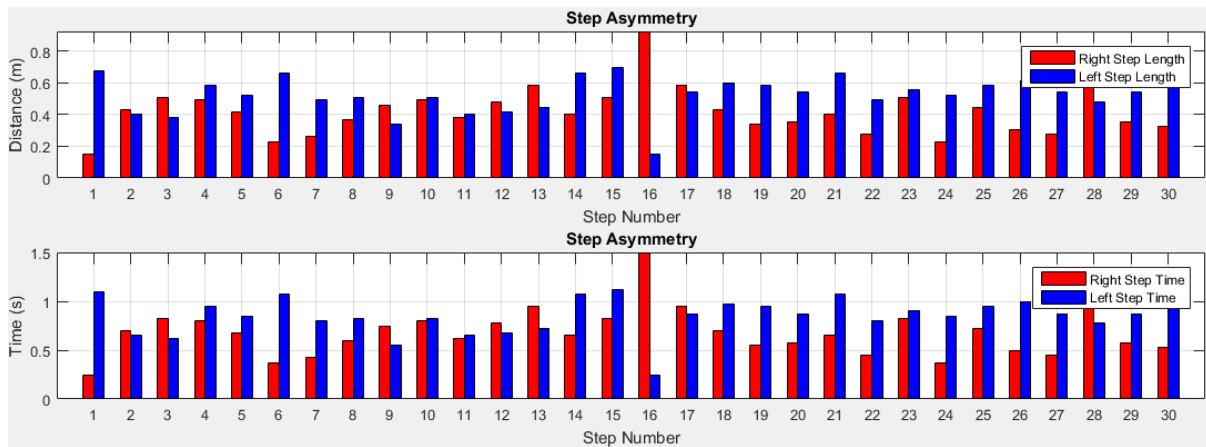


Figure 6.5: Step asymmetry estimation of right and left legs

7: Young Participant 7

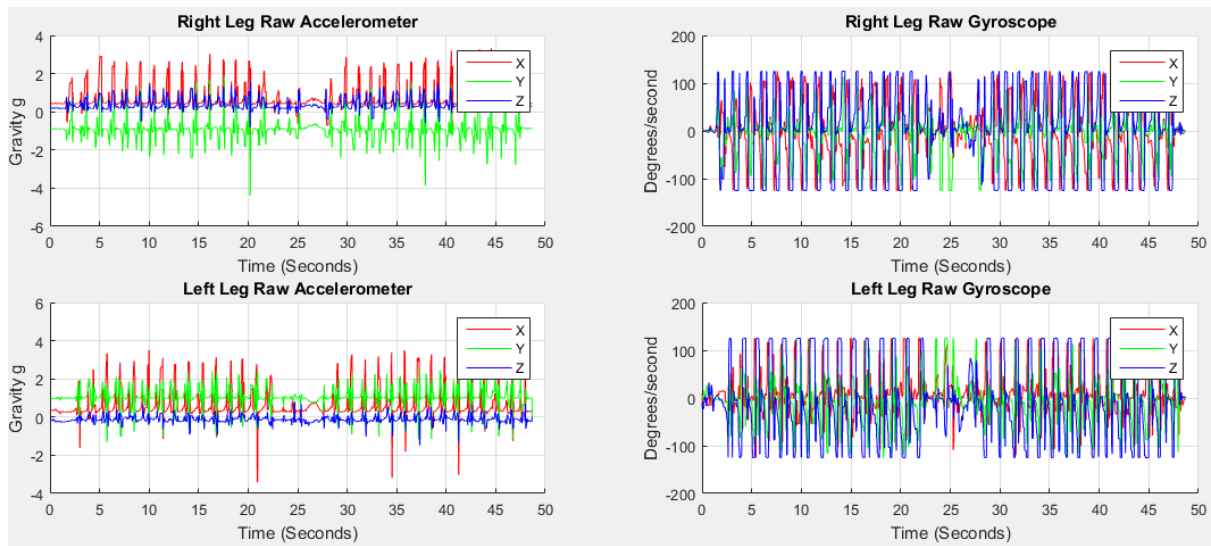


Figure 7.1: Accelerometer and gyroscope data from right and left legs

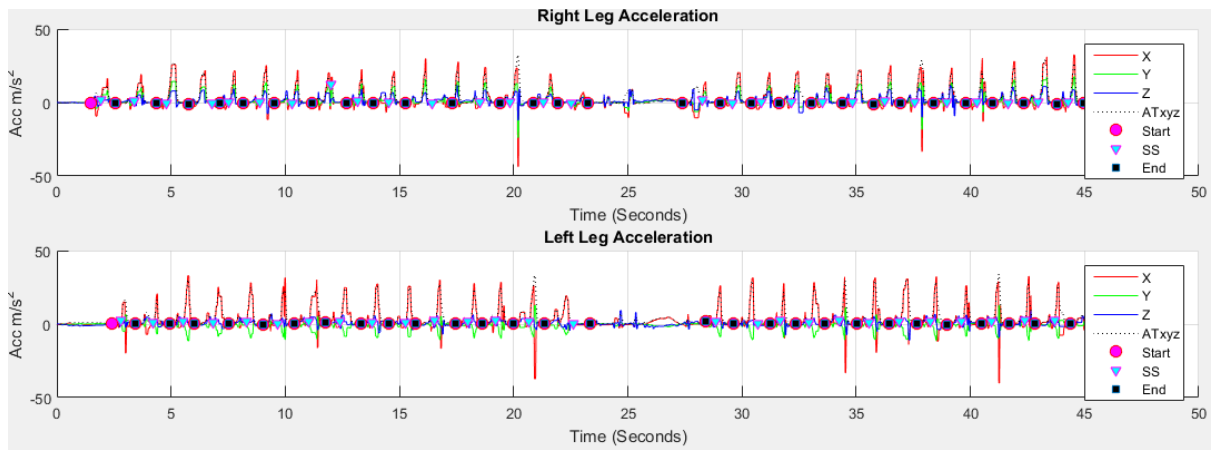


Figure 7.2: Result of stride, stance and swing event detection using proposed method

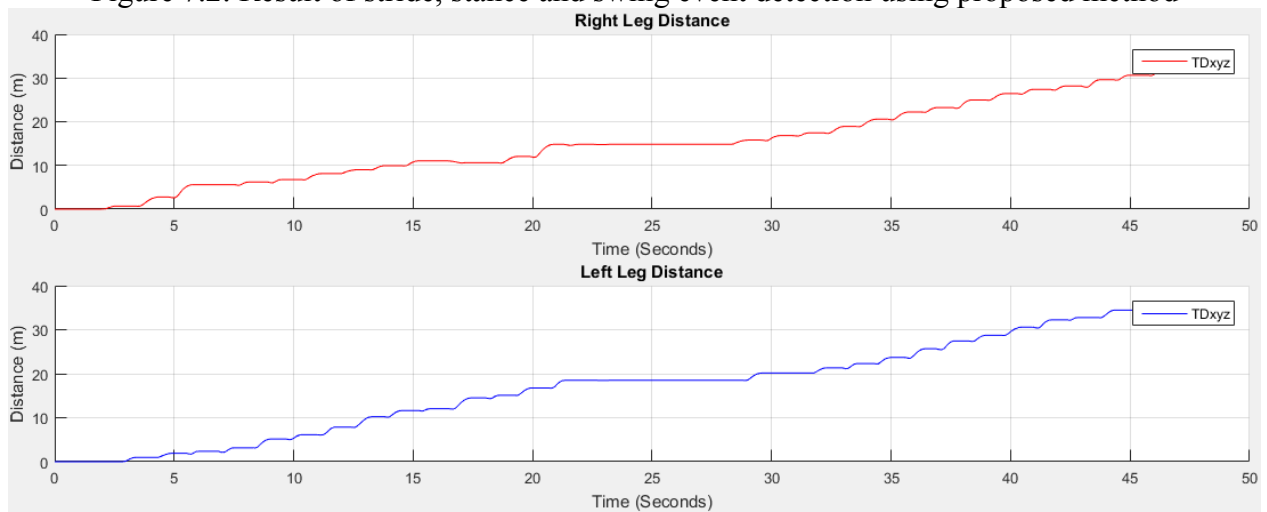


Figure 7.3: Result of distance estimation using proposed method

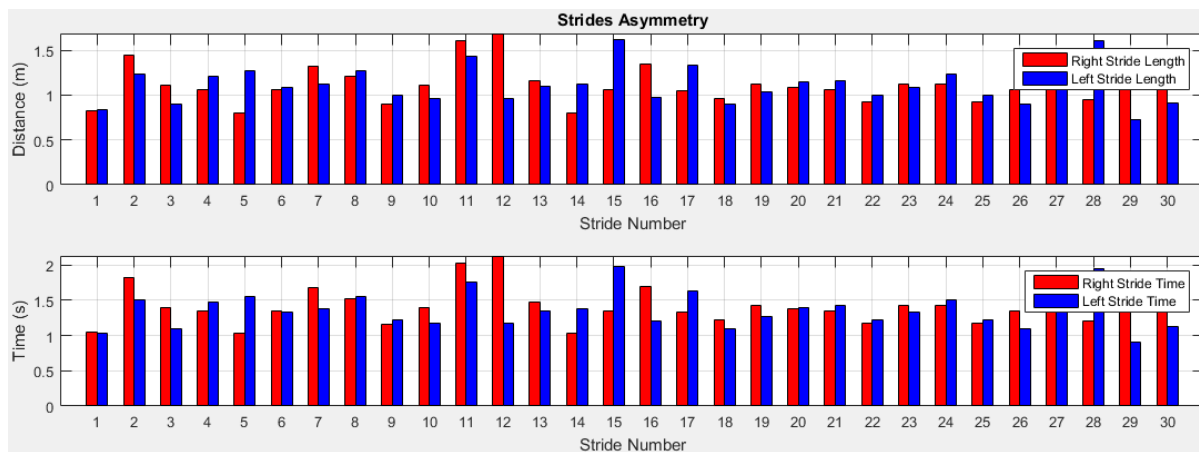


Figure 7.4: Stride asymmetry estimation of right and left legs

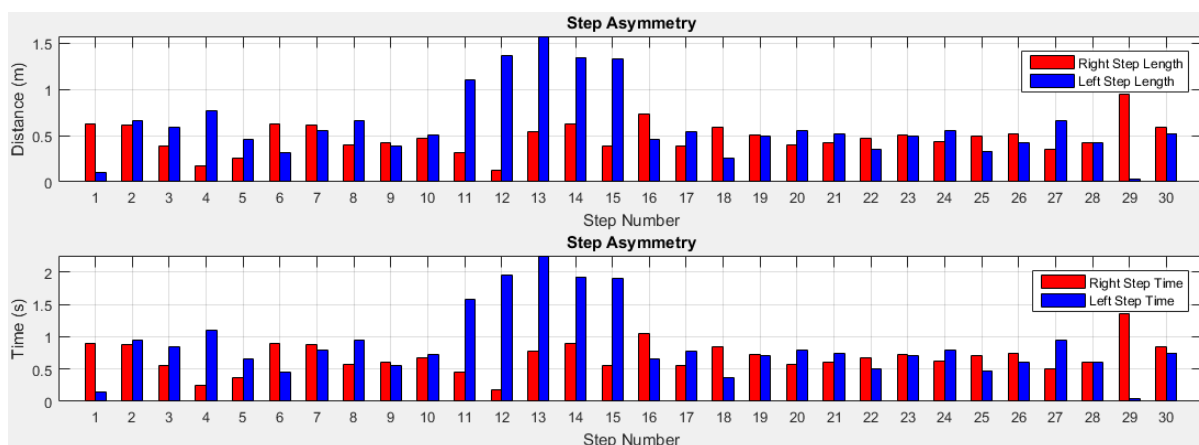


Figure 7.5: Step asymmetry estimation of right and left legs

8: Young Participant 8

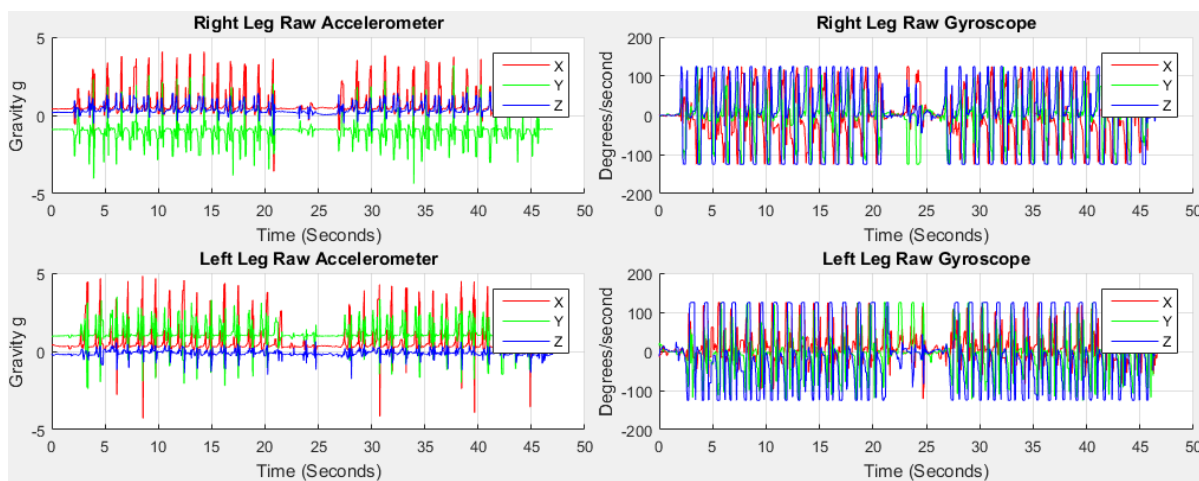


Figure 8.1: Accelerometer and gyroscope data from right and left legs

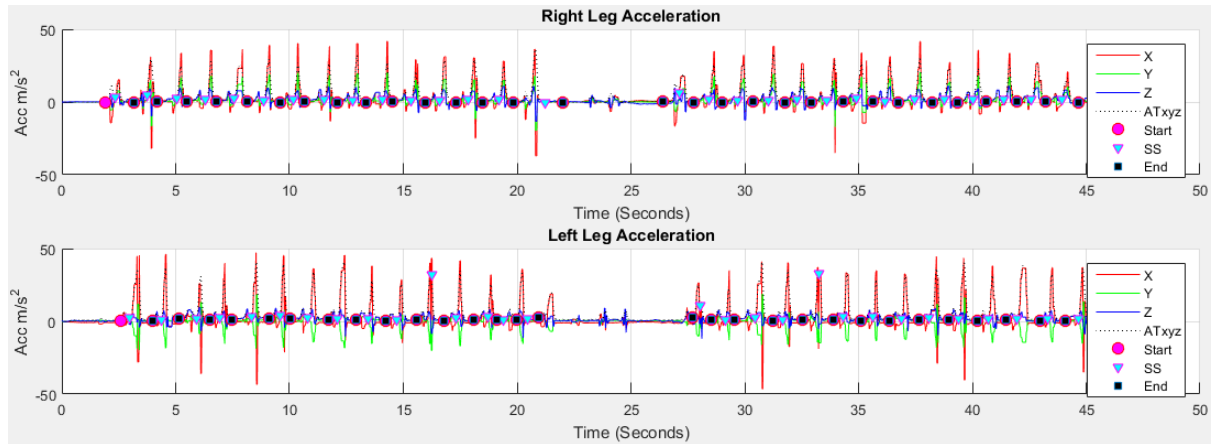


Figure 8.2: Result of stride, stance and swing event detection using proposed method

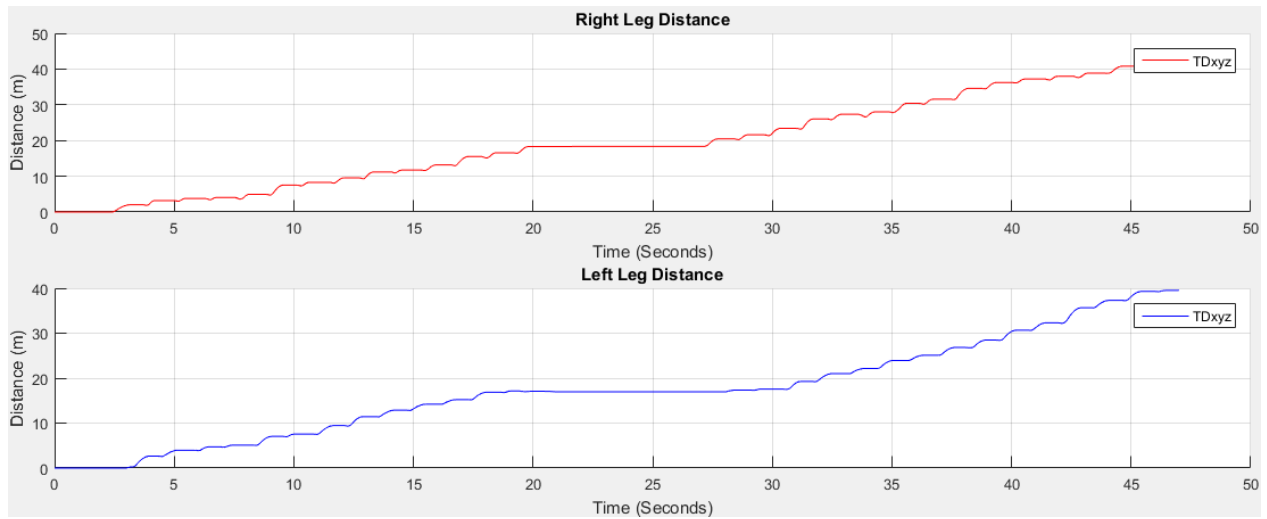


Figure 8.3: Result of distance estimation using proposed method

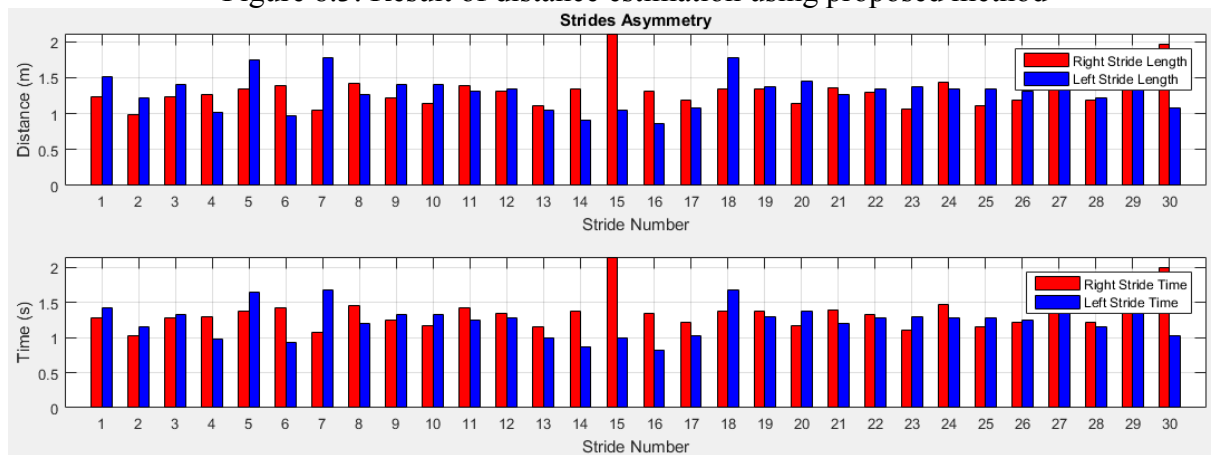


Figure 8.4: Stride asymmetry estimation of right and left legs

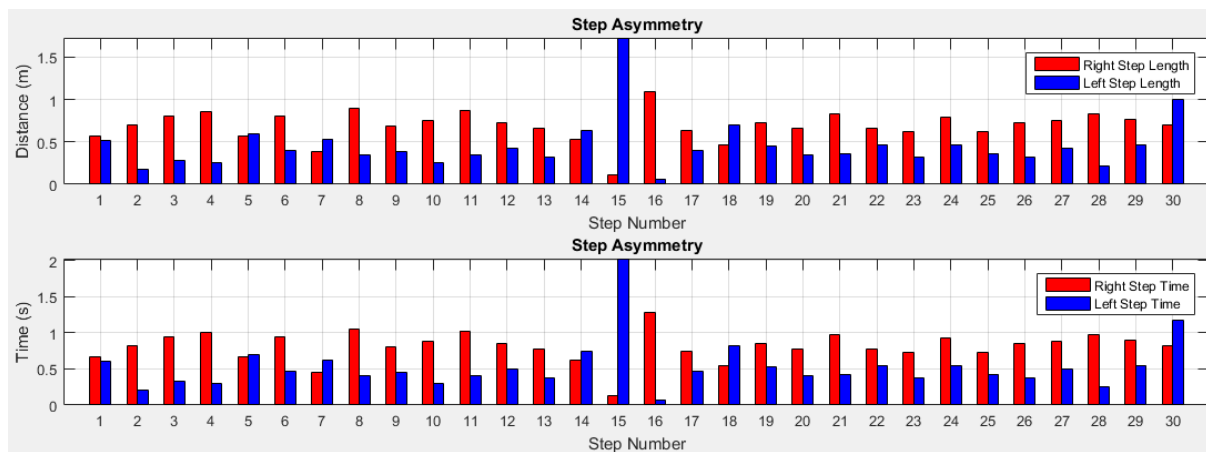


Figure 8.5: Step asymmetry estimation of right and left legs

9: Young Participant 9

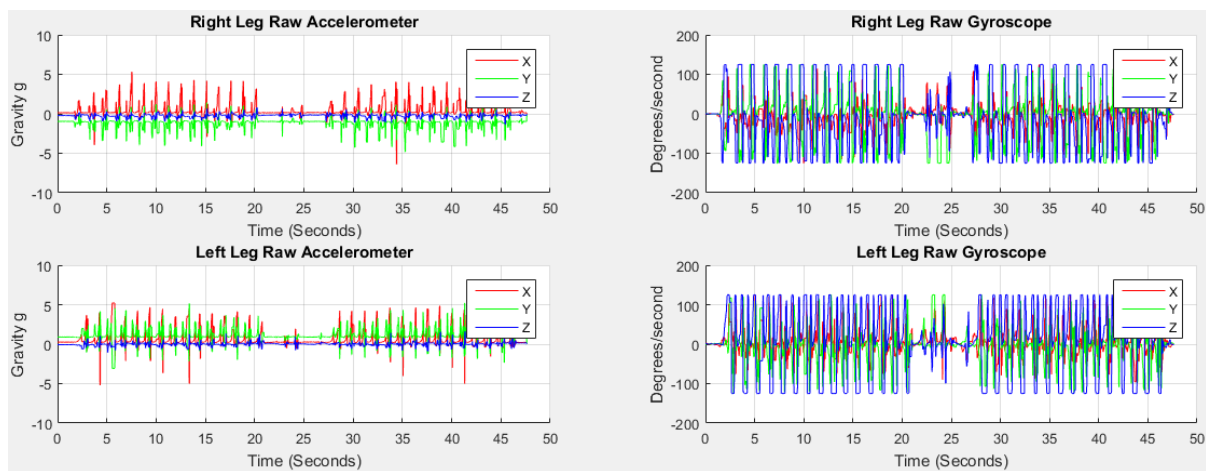


Figure 9.1: Accelerometer and gyroscope data from right and left legs

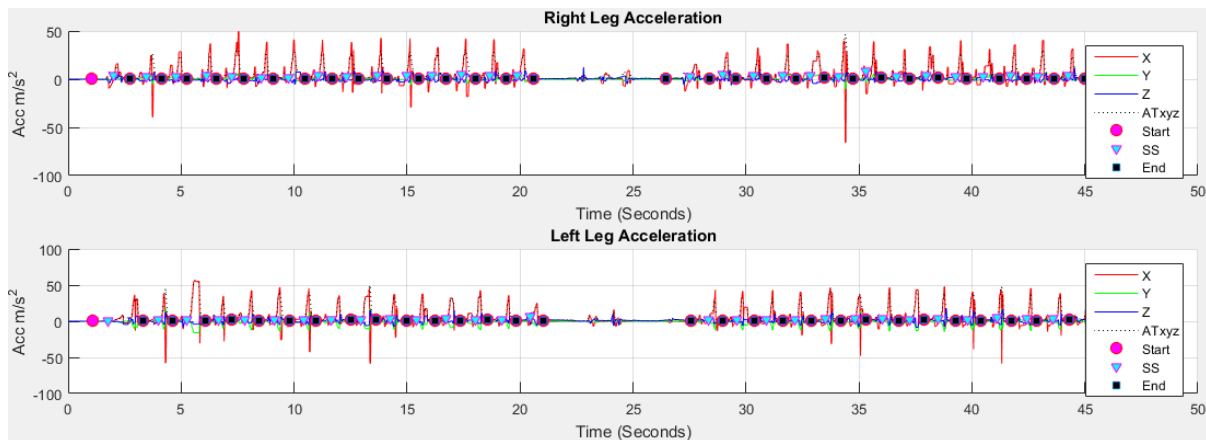


Figure 9.2: Result of stride, stance and swing event detection using proposed method

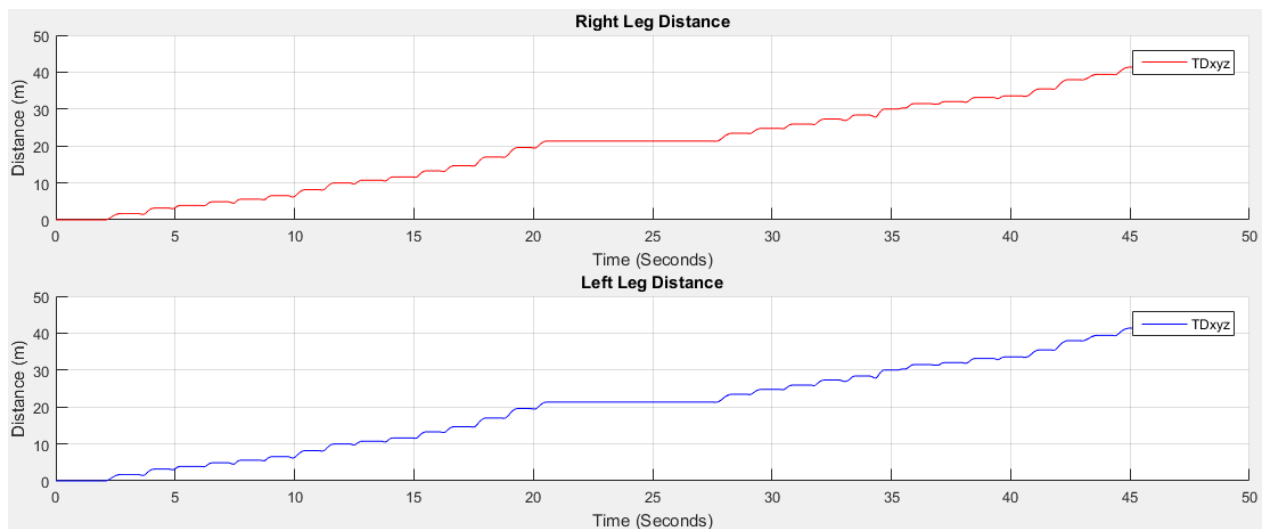


Figure 9.3: Result of distance estimation using proposed method



Figure 9.4: Stride asymmetry estimation of right and left legs

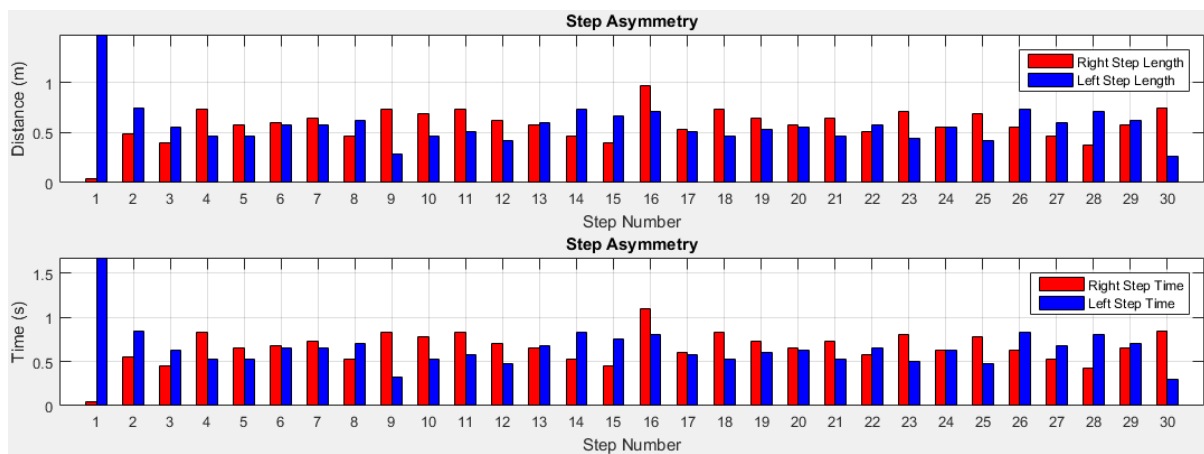


Figure 9.5: Step asymmetry estimation of right and left legs

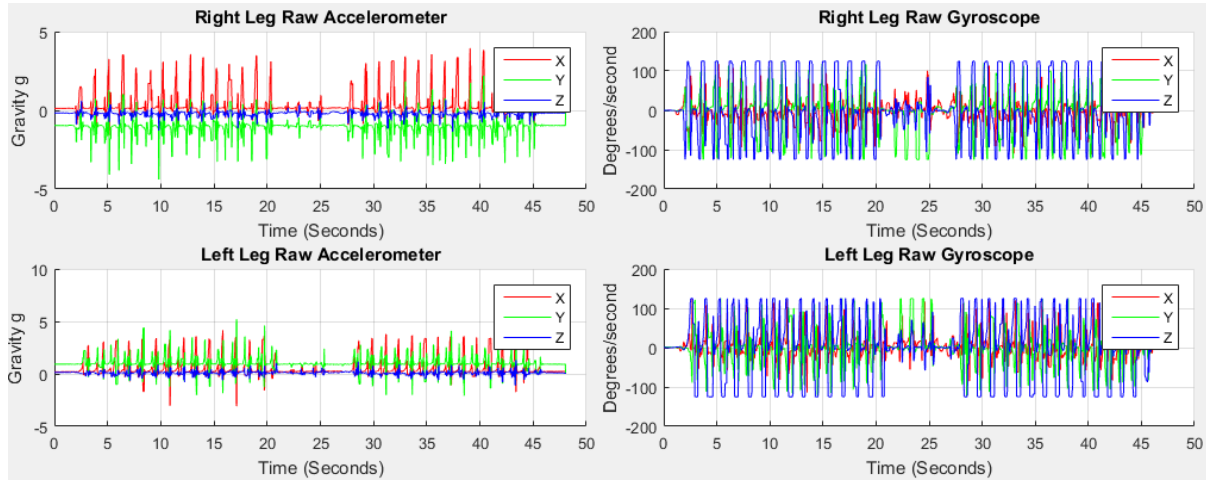


Figure 10.1: Accelerometer and gyroscope data from right and left legs

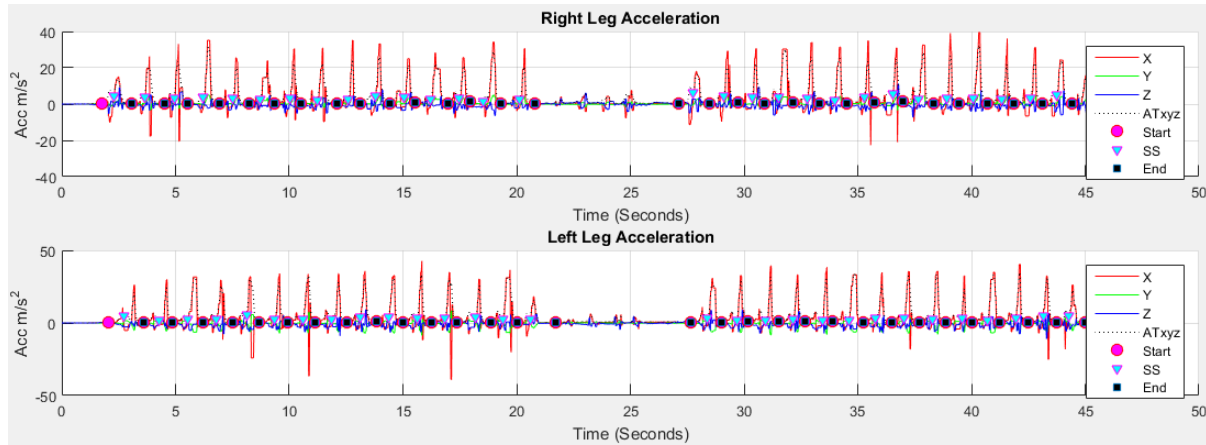


Figure 10.2: Result of stride, stance and swing event detection using proposed method

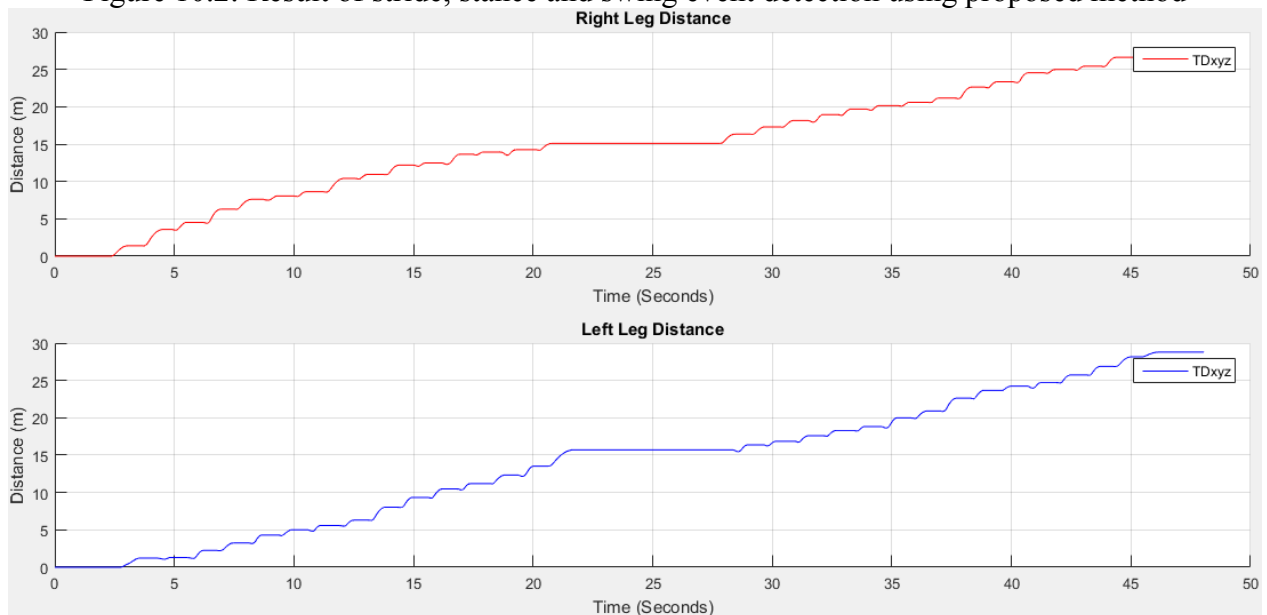


Figure 10.3: Result of distance estimation using proposed method

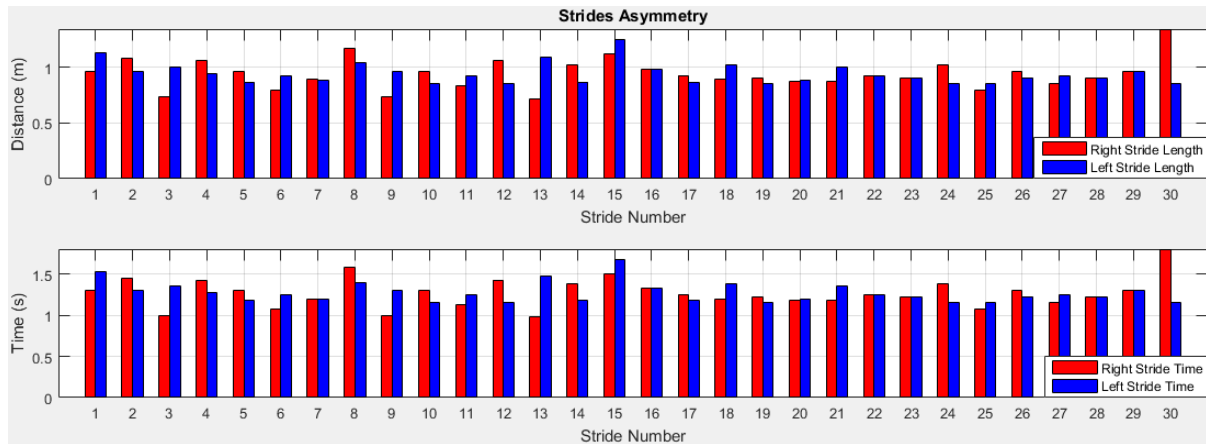


Figure 10.4: Stride asymmetry estimation of right and left legs

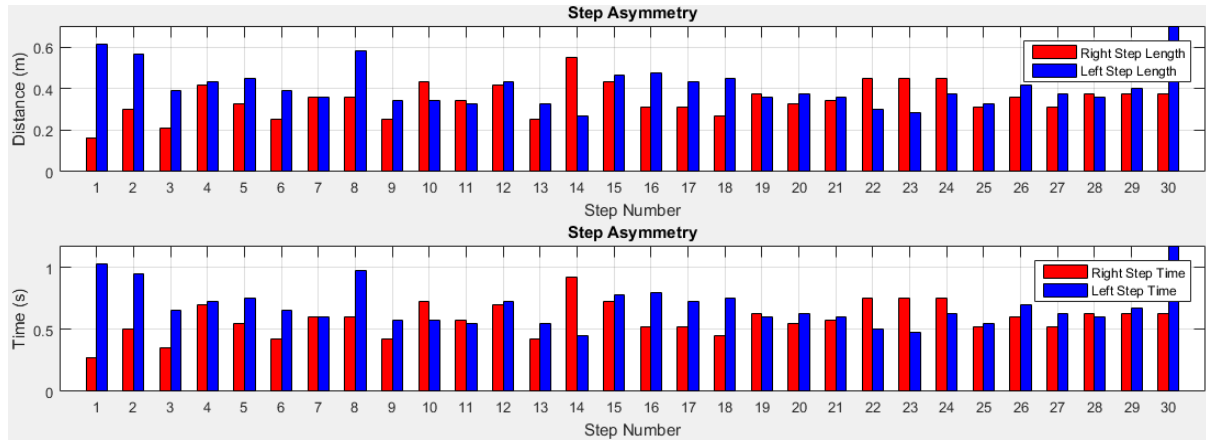


Figure 10.5: Step asymmetry estimation of right and left legs

1: Elderly Participant 1

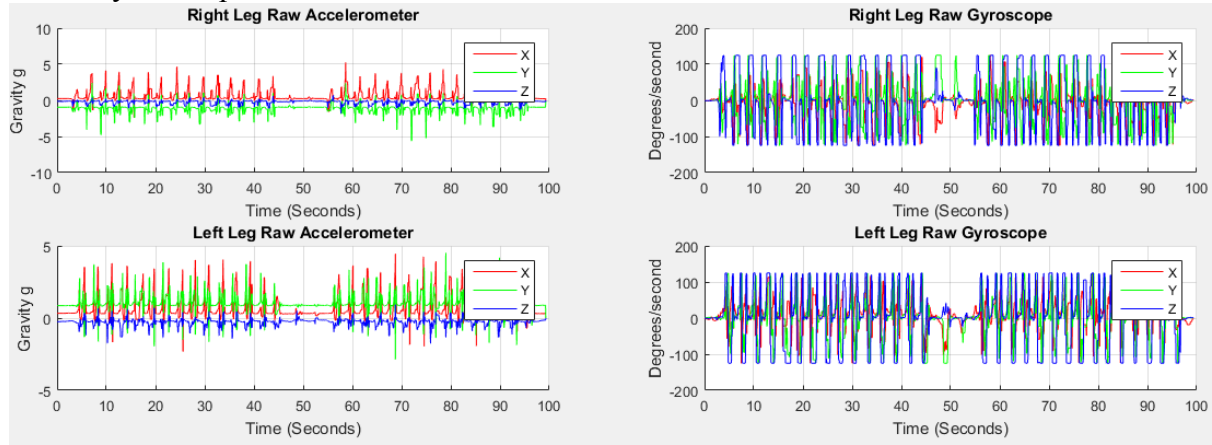


Figure 1.1: Accelerometer and gyroscope data from right and left feet

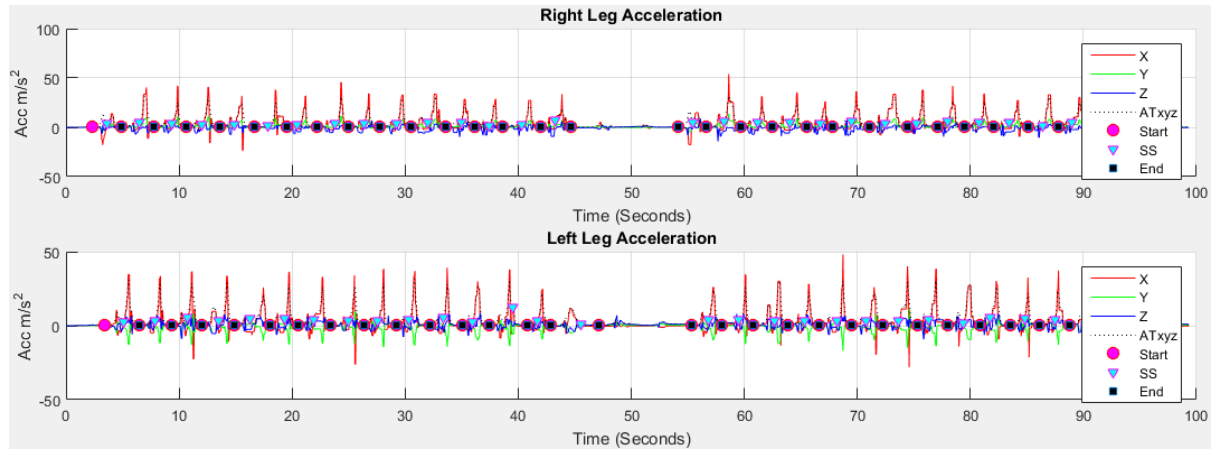


Figure 1.2: Result of stride, stance and swing event detection using proposed method

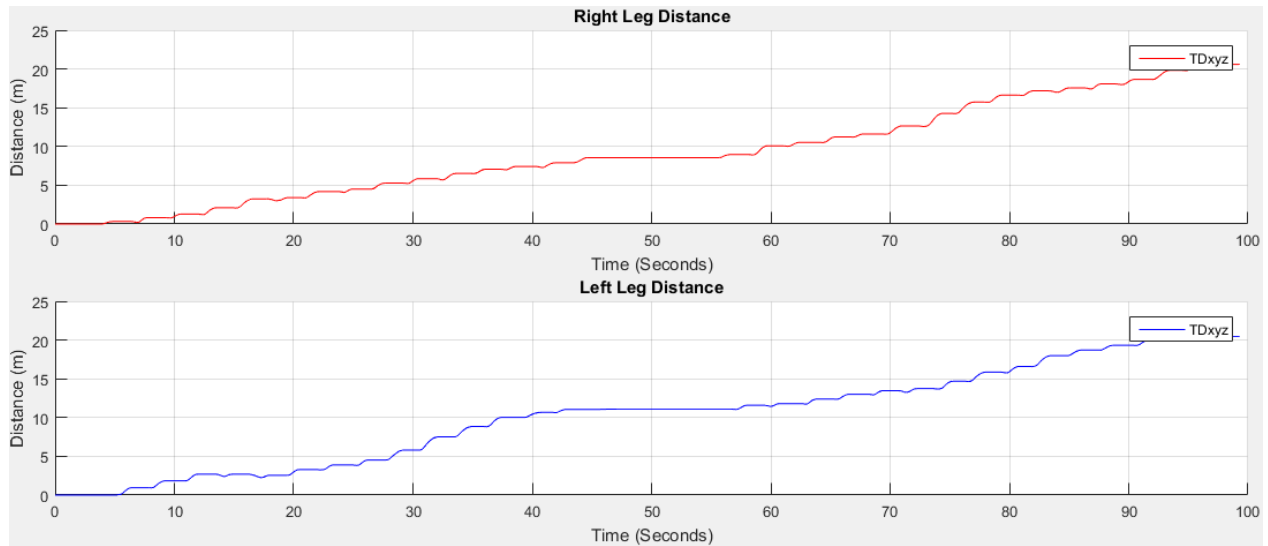


Figure 1.3: Result of distance estimation using proposed method

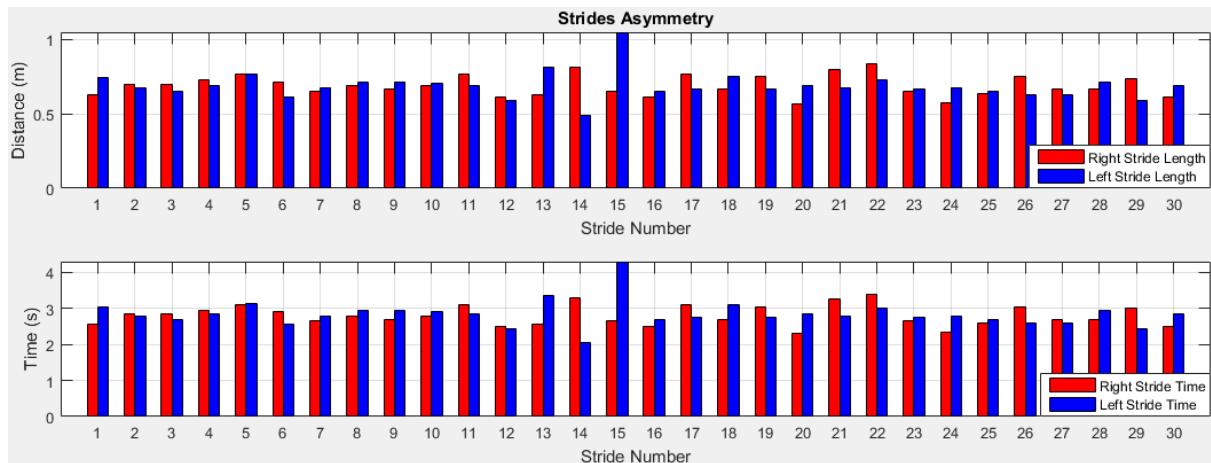


Figure 1.4: Stride asymmetry estimation of right and left legs

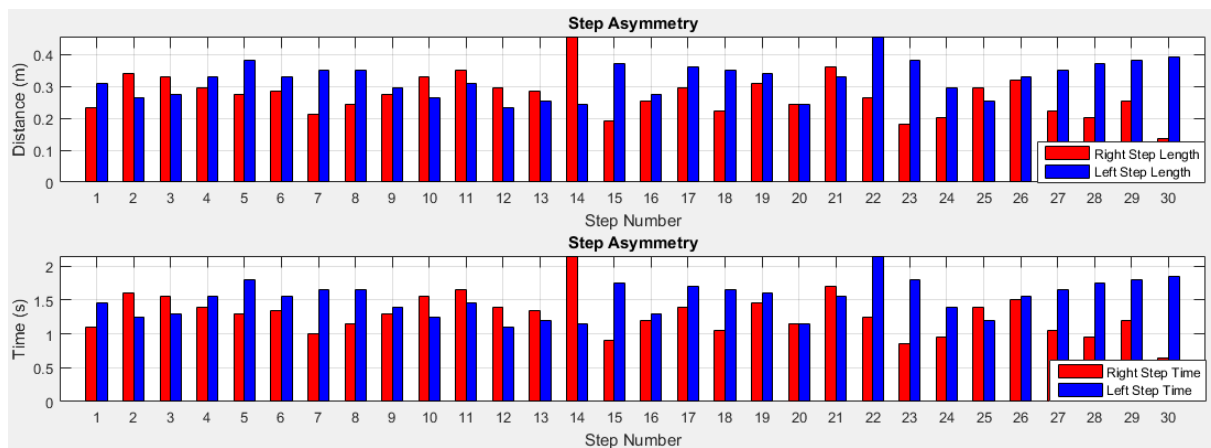


Figure 1.5: Step asymmetry estimation of right and left legs

2: Elderly Participant 2

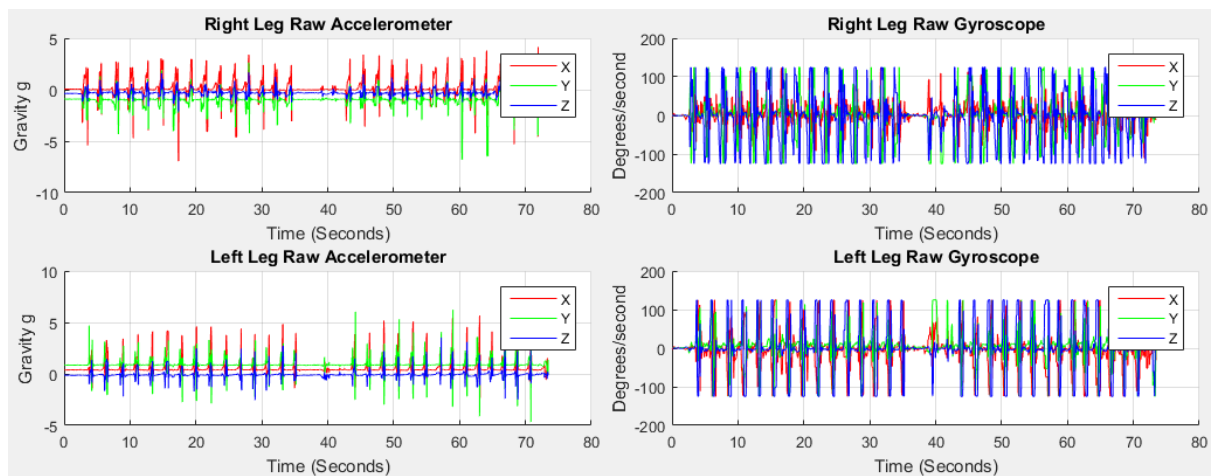


Figure 2.1: Accelerometer and gyroscope data from right and left legs

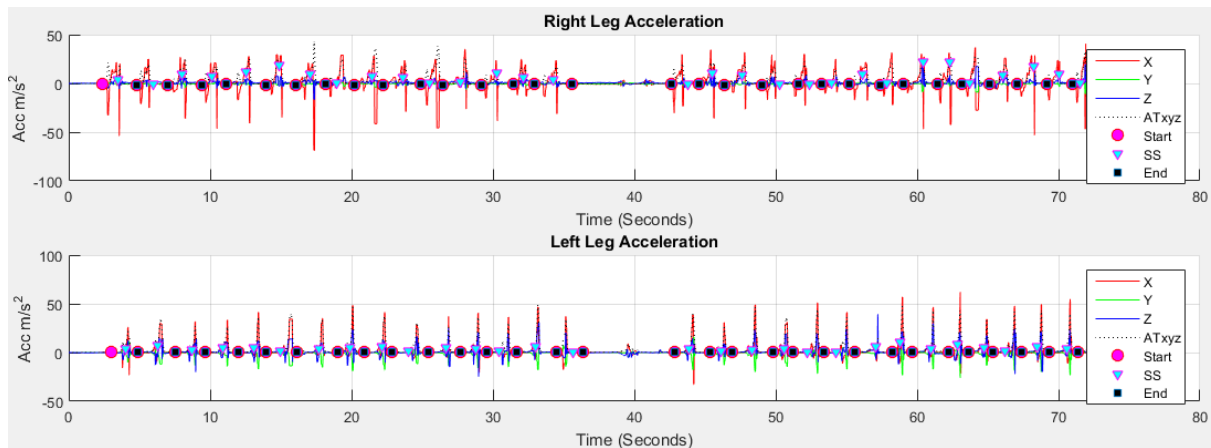


Figure 2.2: Result of stride, stance and swing event detection using proposed method

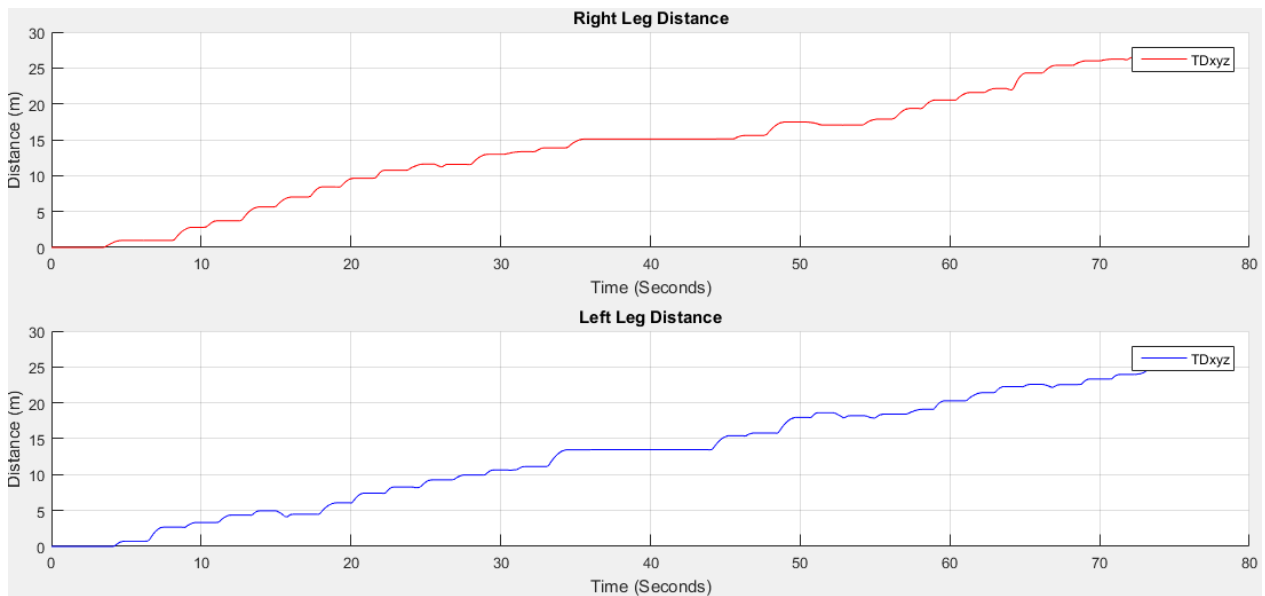


Figure 2.3: Result of distance estimation using proposed method

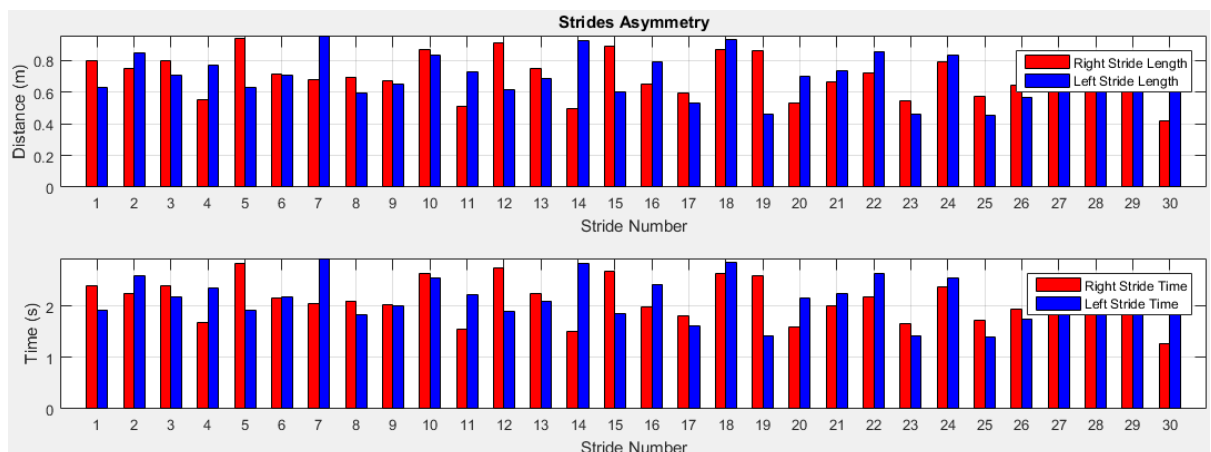


Figure 2.4: Stride asymmetry estimation of right and left legs

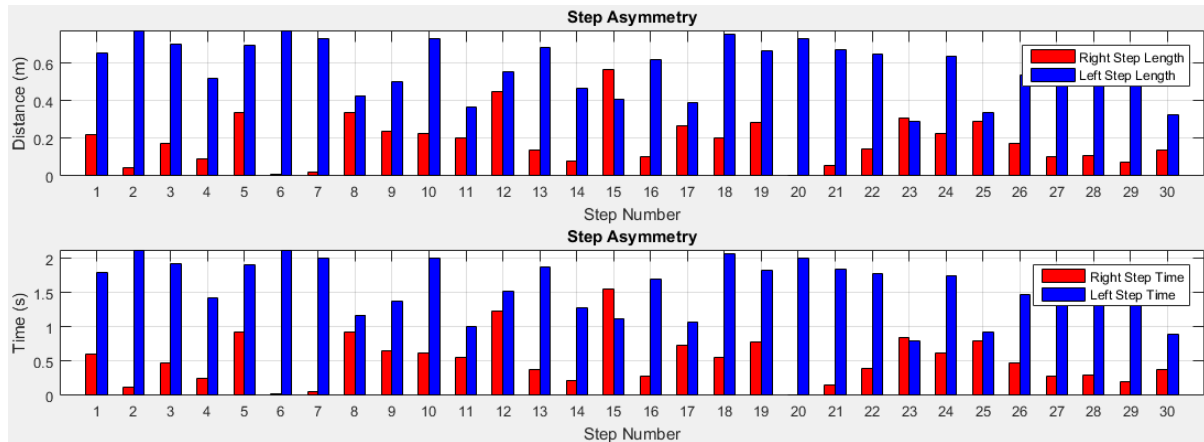


Figure 2.5: Step asymmetry estimation of right and left legs

3: Elderly Participant 3

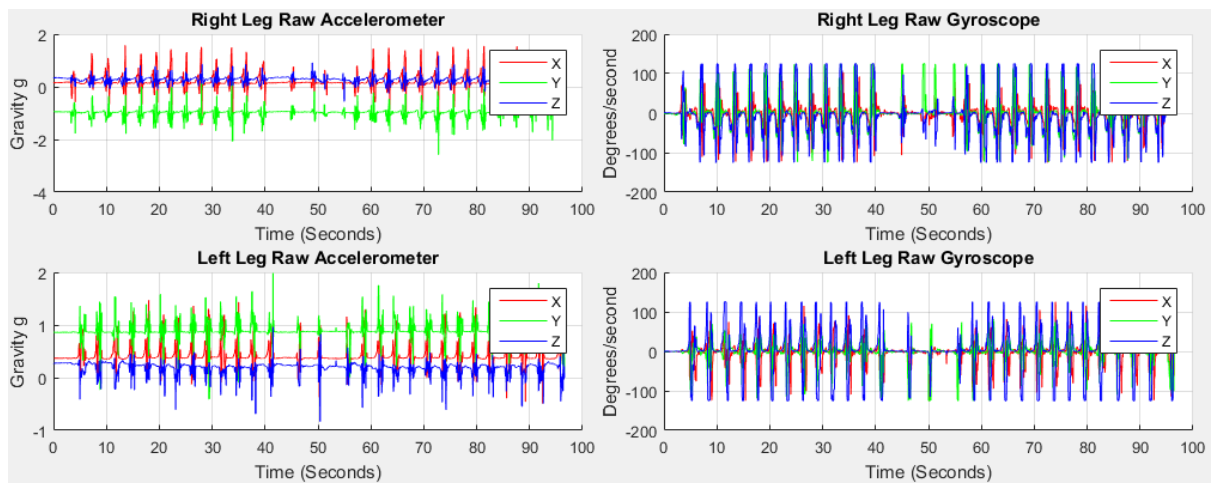


Figure 3.1: Accelerometer and gyroscope data from right and left legs

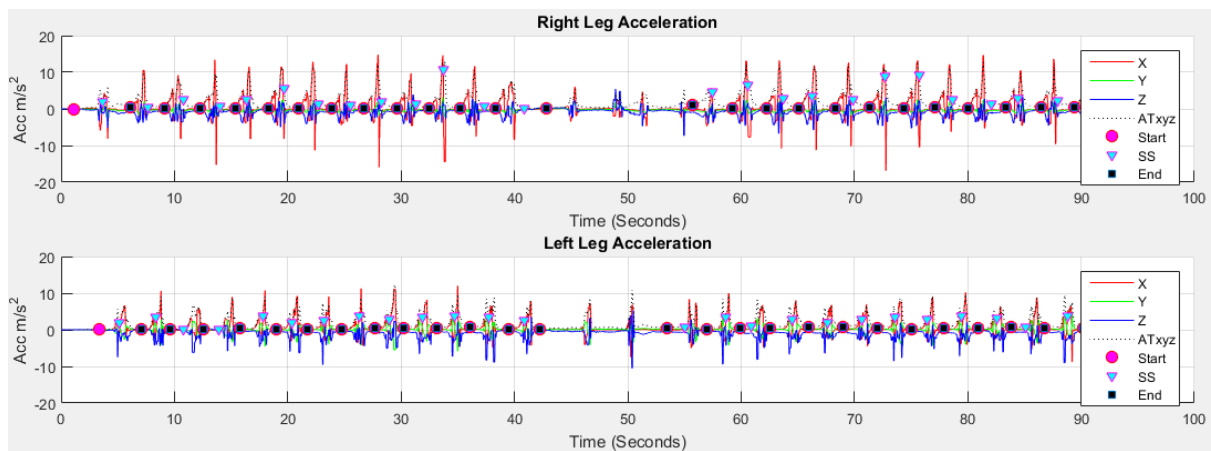


Figure 3.2: Result of stride, stance and swing event detection using proposed method

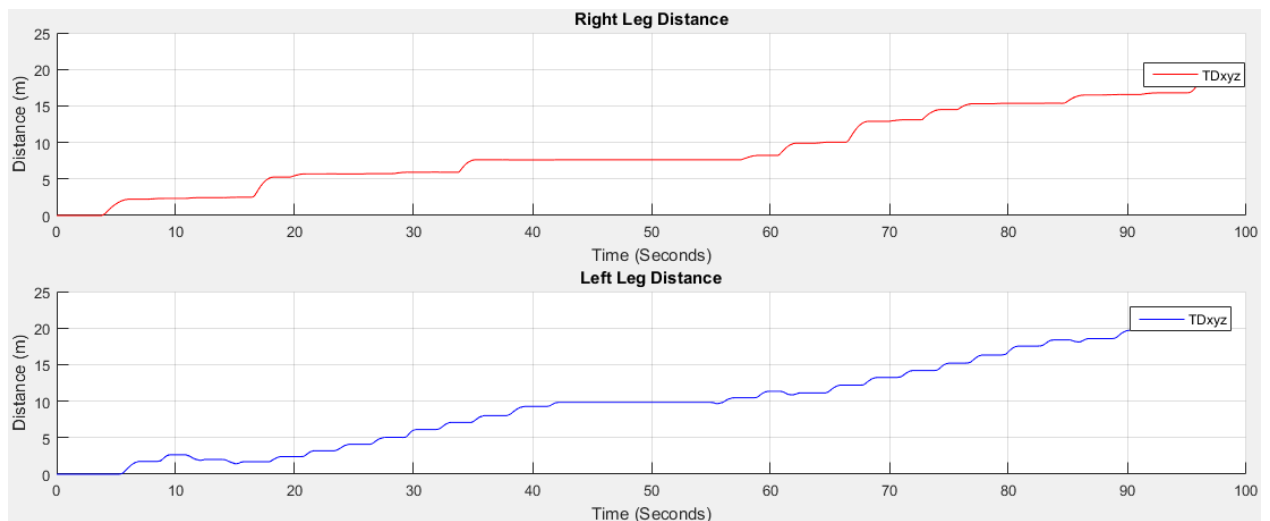


Figure 3.3: Result of distance estimation using proposed method

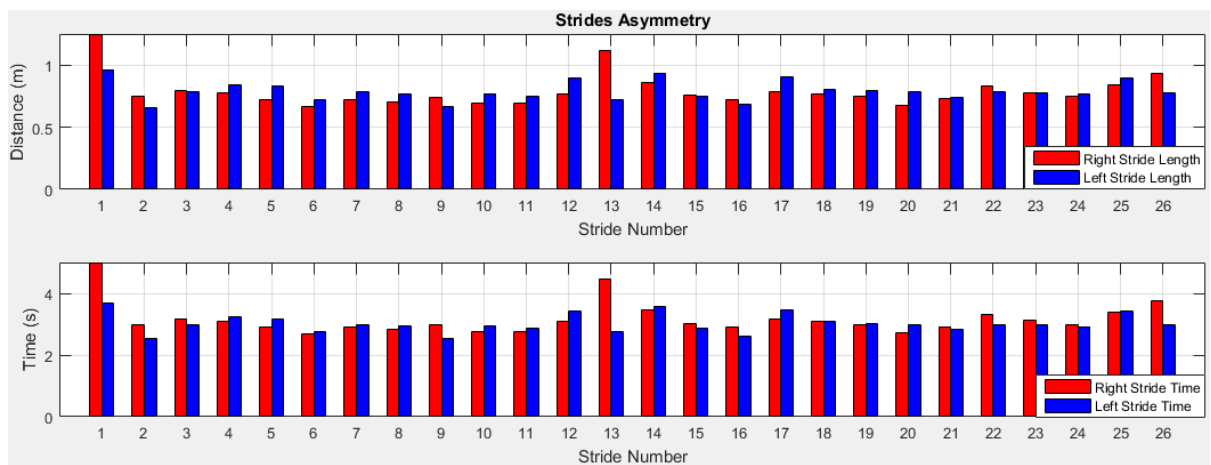


Figure 3.4: Stride asymmetry estimation of right and left legs

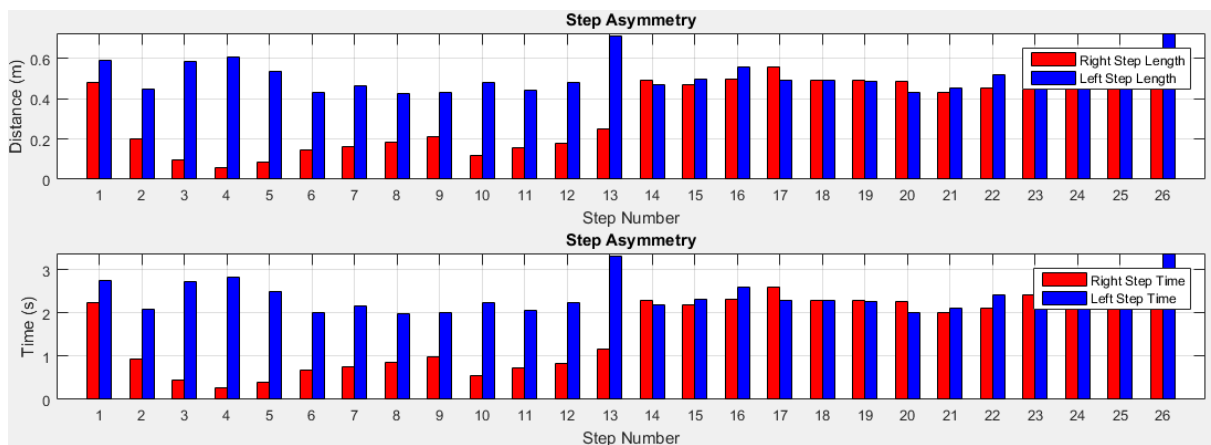


Figure 3.5: Step asymmetry estimation of right and left legs

4: Elderly Participant 4

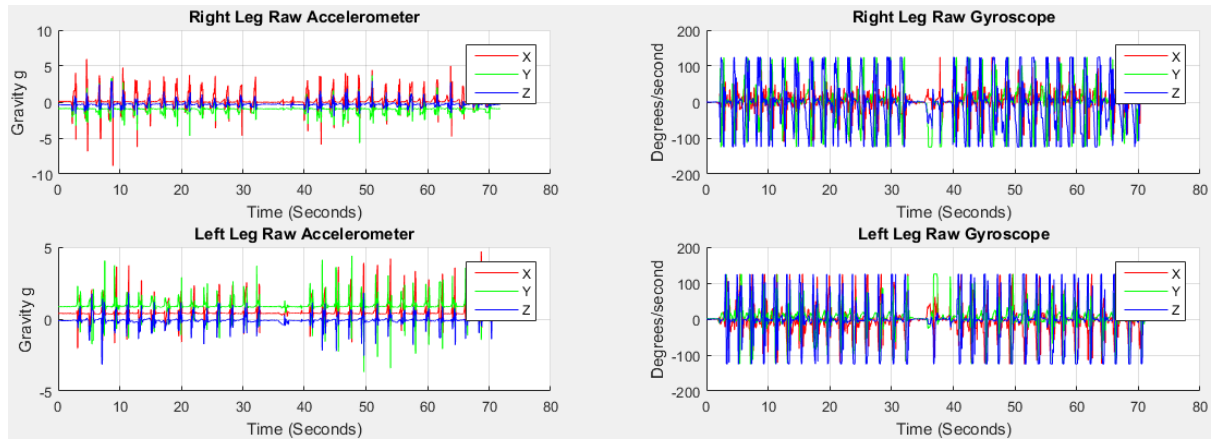


Figure 4.1: Accelerometer and gyroscope data from right and left legs

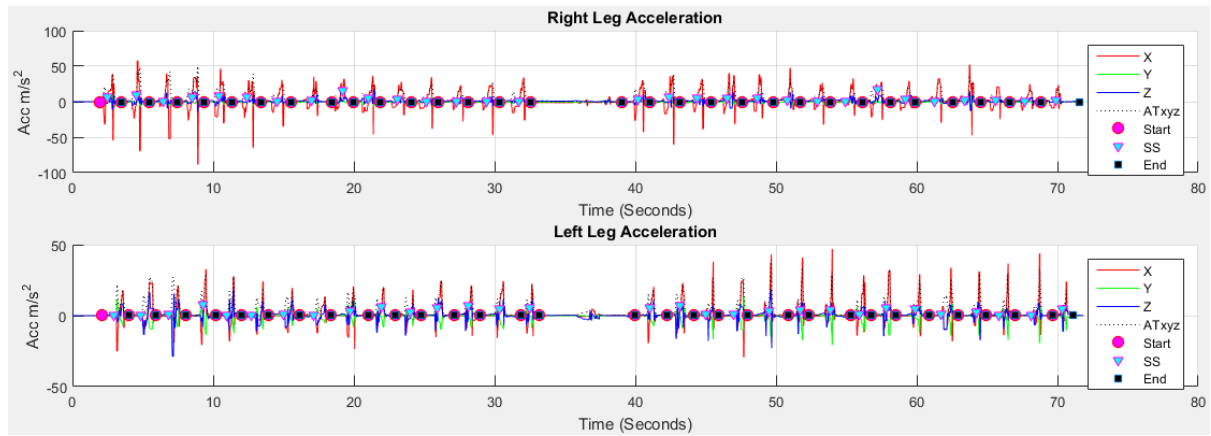


Figure 4.2: Result of stride, stance and swing event detection using proposed method

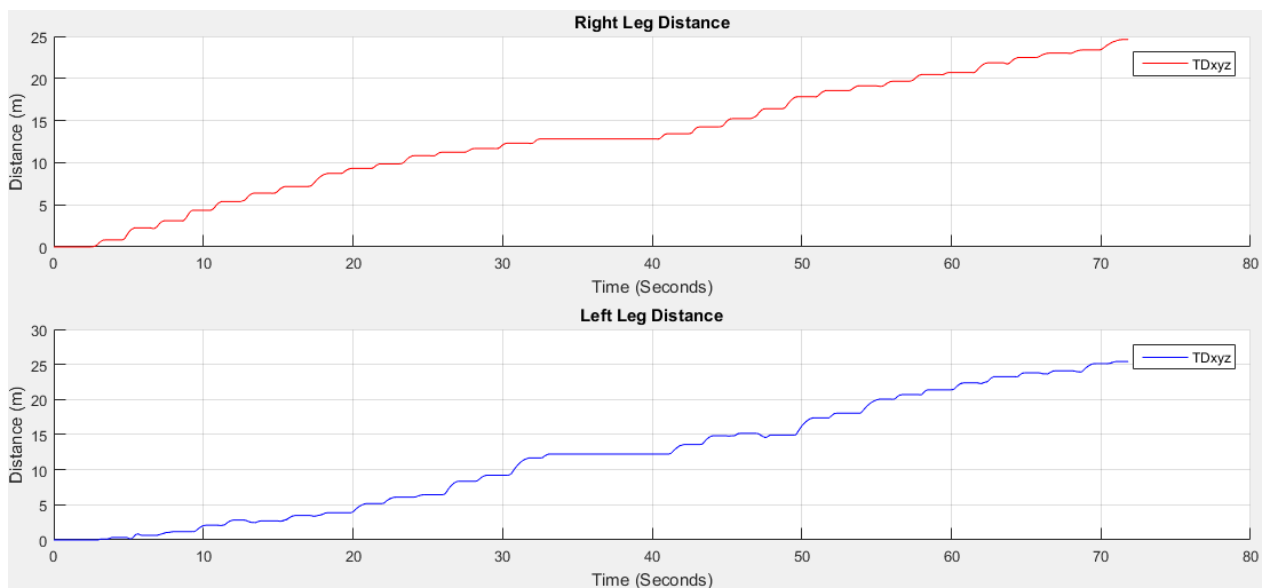


Figure 4.3: Result of distance estimation using proposed method

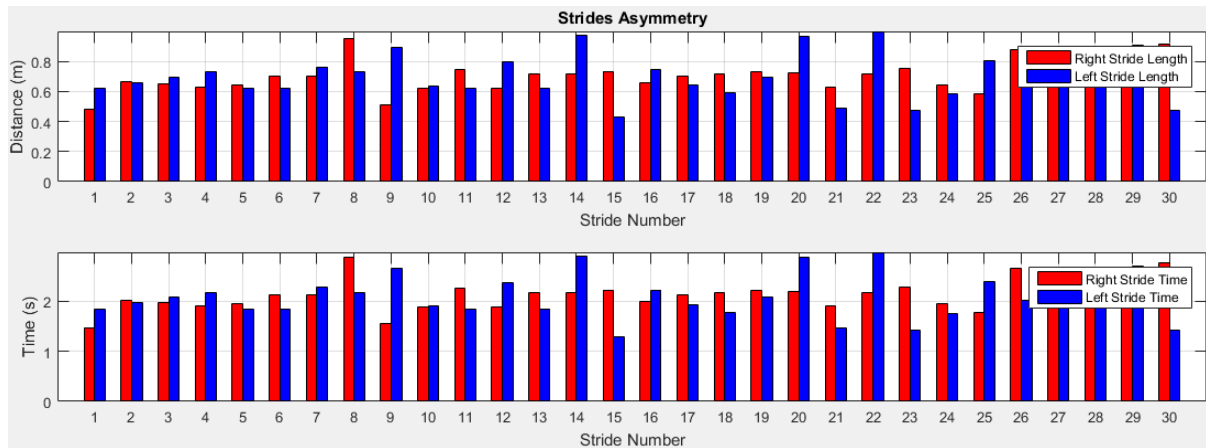


Figure 4.4: Stride asymmetry estimation of right and left legs

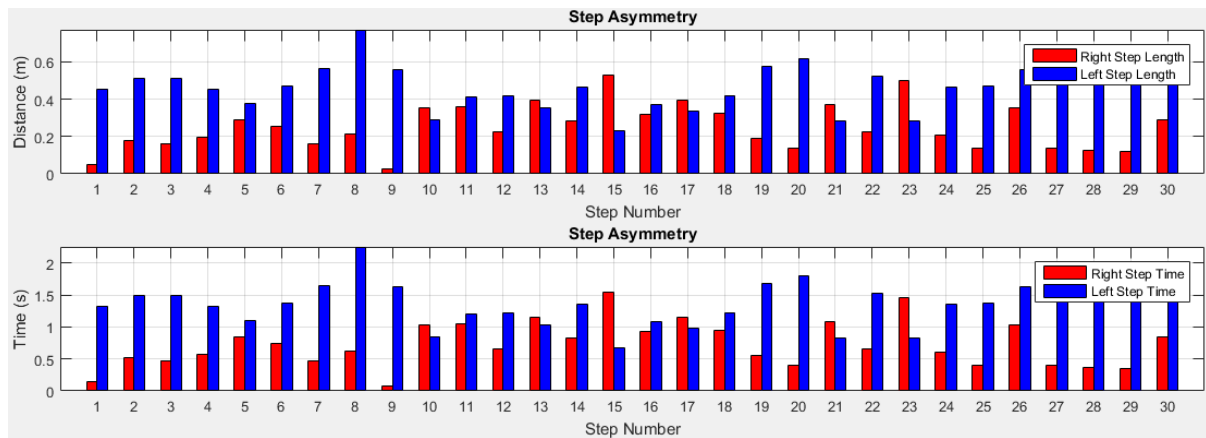


Figure 4.5: Step asymmetry estimation of right and left legs

5: Elderly Participant 5

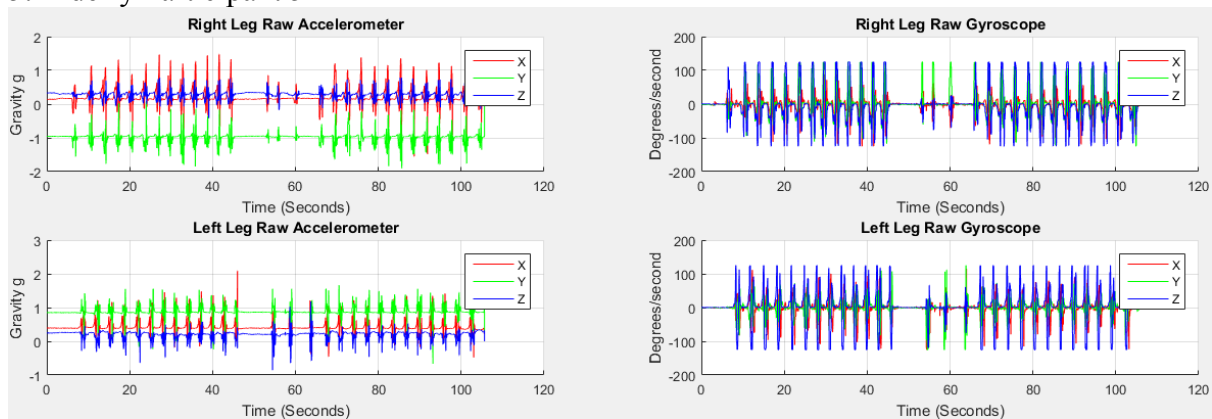


Figure 5.1: Accelerometer and gyroscope data from right and left legs

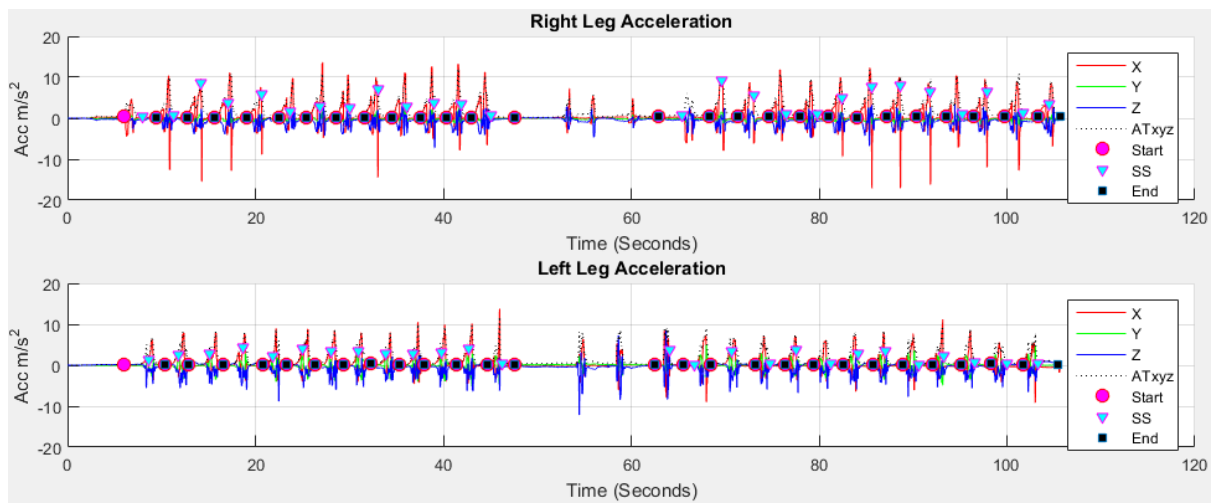


Figure 5.2: Result of stride, stance and swing event detection using proposed method

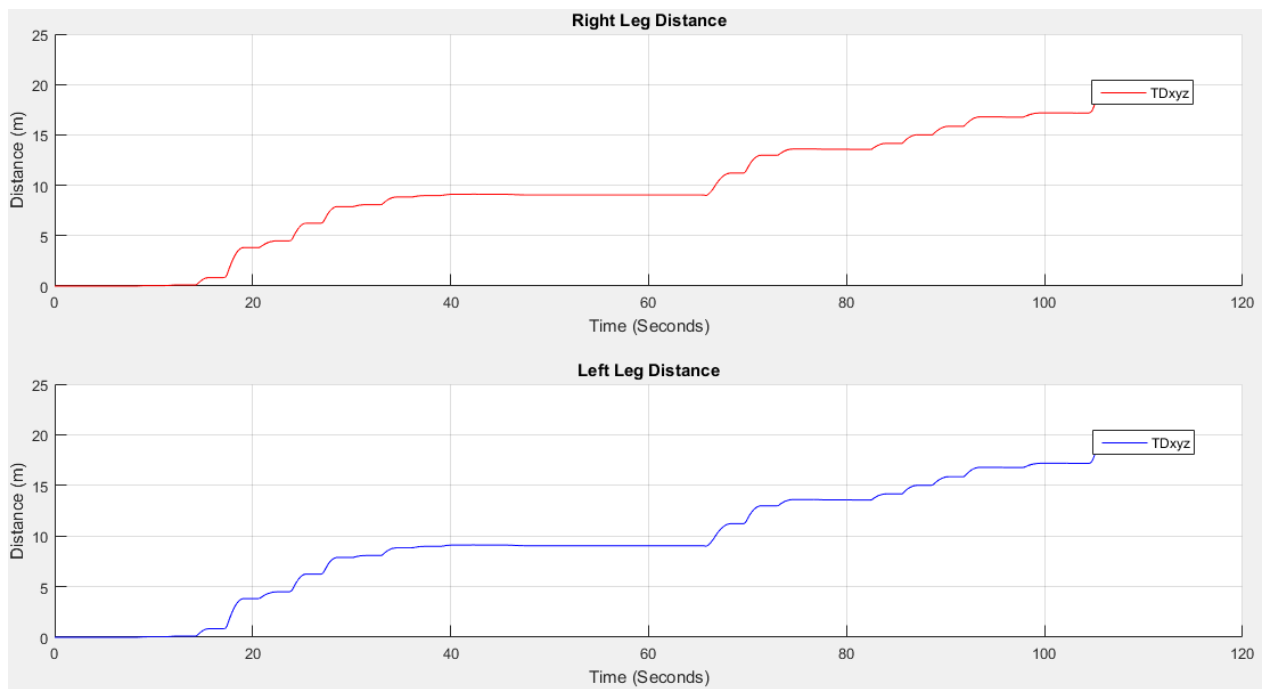


Figure 5.3: Result of distance estimation using proposed method

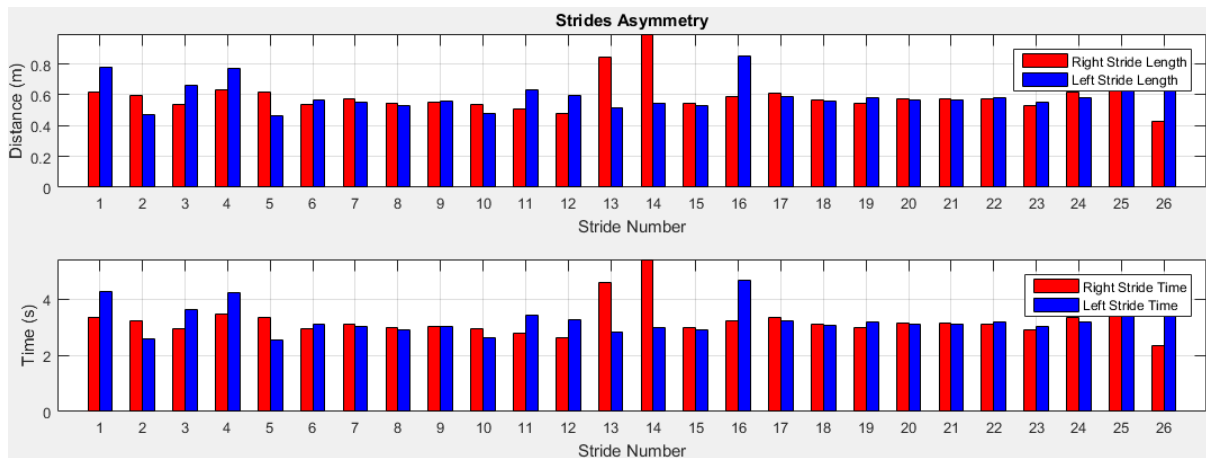


Figure 5.4: Stride asymmetry estimation of right and left legs

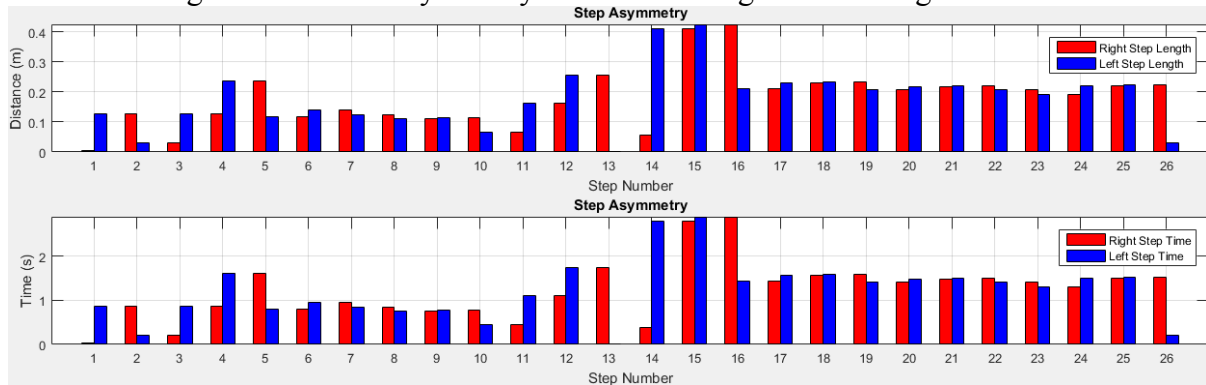


Figure 5.5: Step asymmetry estimation of right and left legs

6: Elderly Participant 6

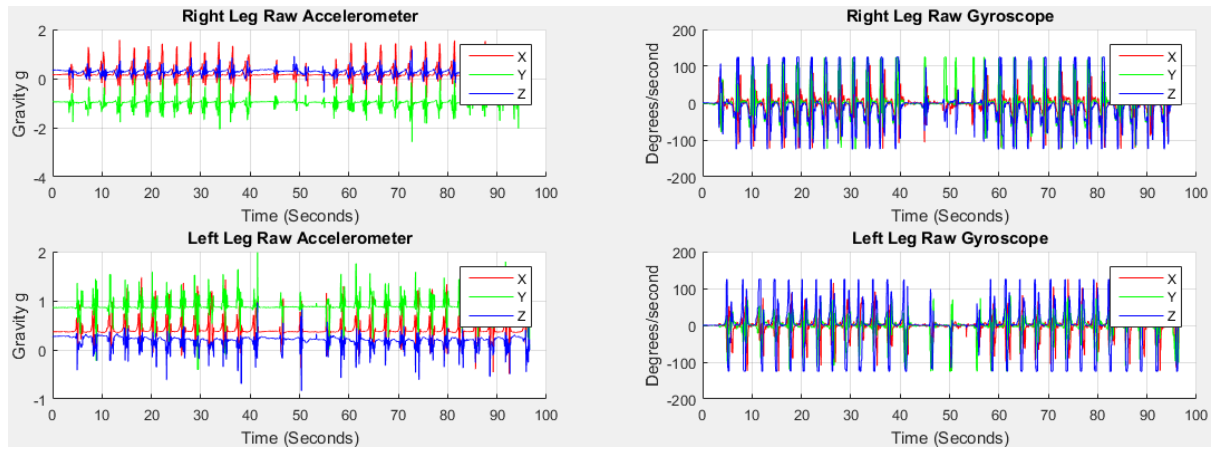


Figure 6.1: Accelerometer and gyroscope data from right and left legs

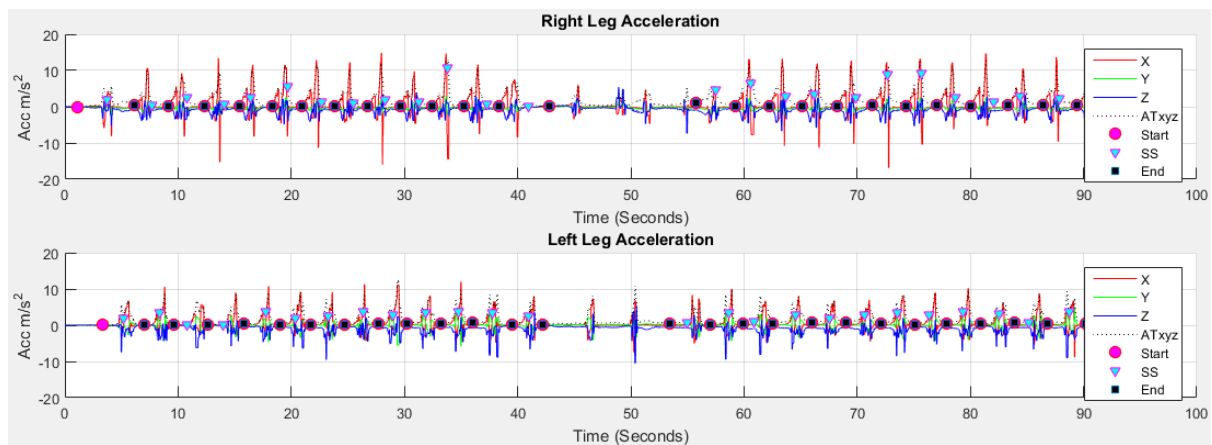


Figure 6.2: Result of stride, stance and swing event detection using proposed method

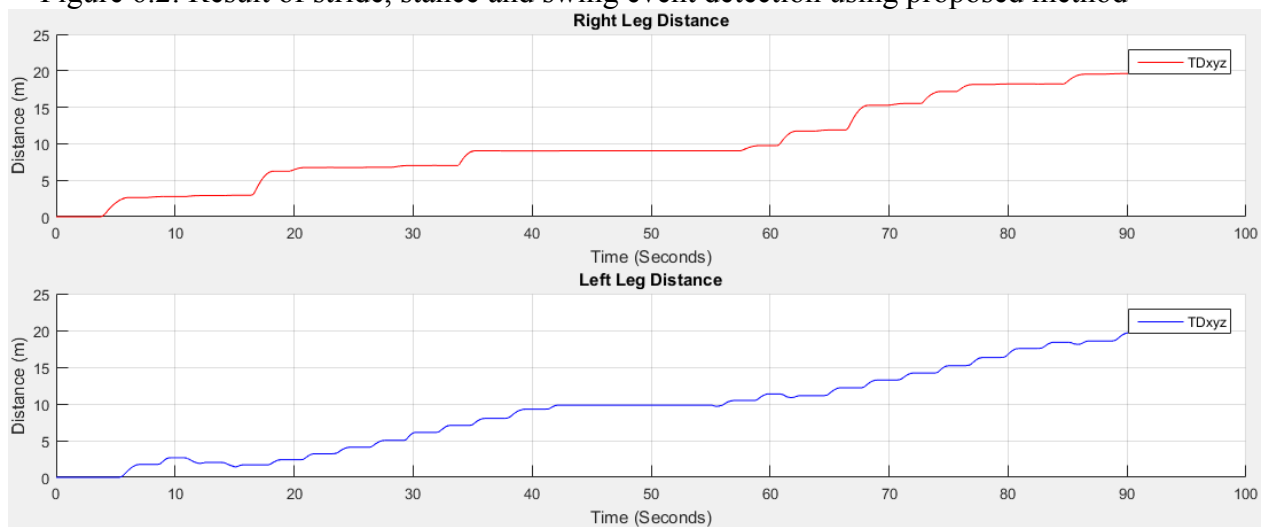


Figure 6.3: Result of distance estimation using proposed method

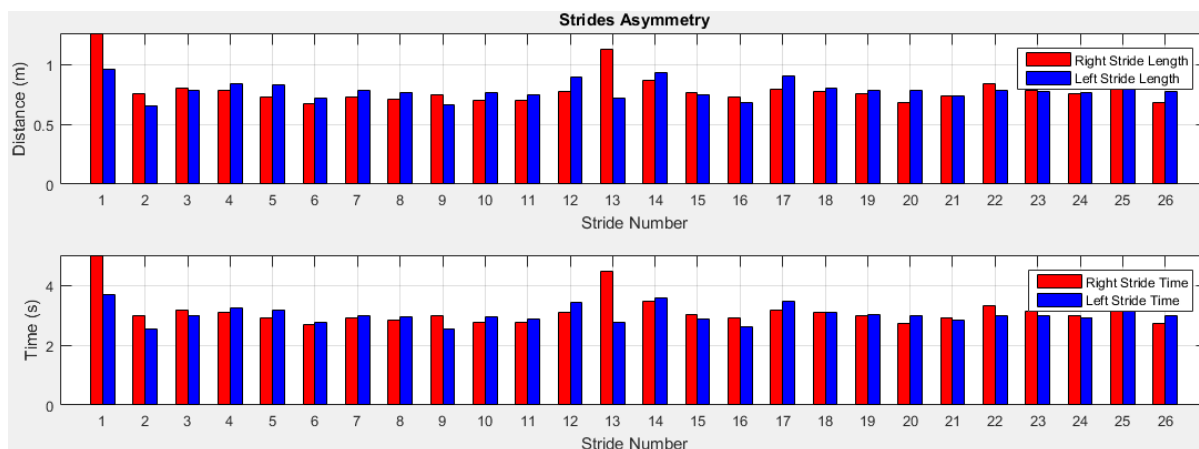


Figure 6.4: Stride asymmetry estimation of right and left legs

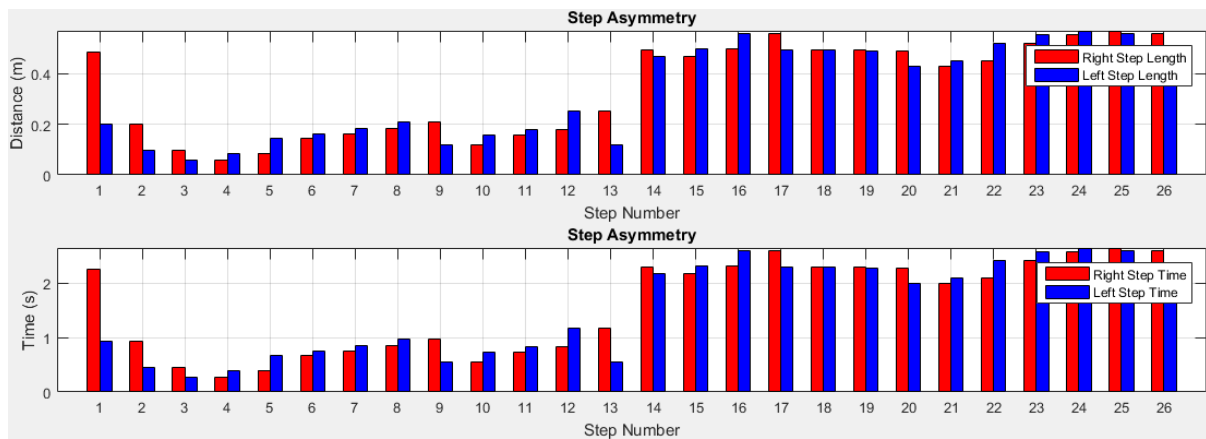


Figure 6.5: Step asymmetry estimation of right and left legs

7: Elderly Participant 7

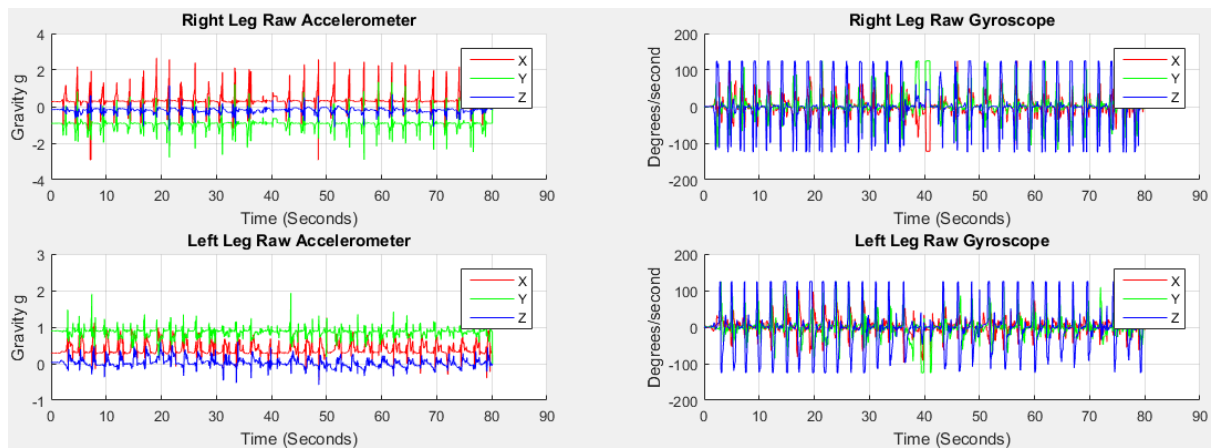


Figure 7.1: Accelerometer and gyroscope data from right and left legs

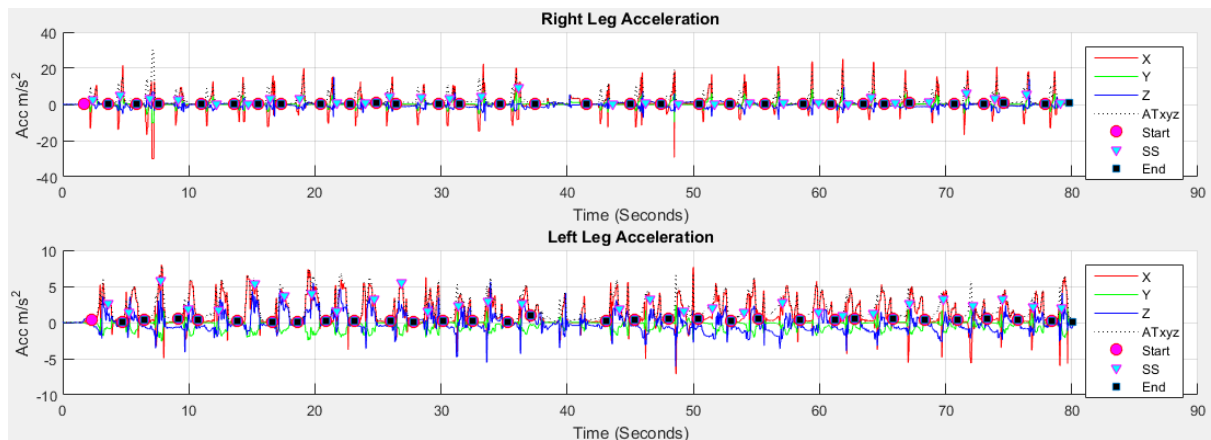


Figure 7.2: Result of stride, stance and swing event detection using proposed method

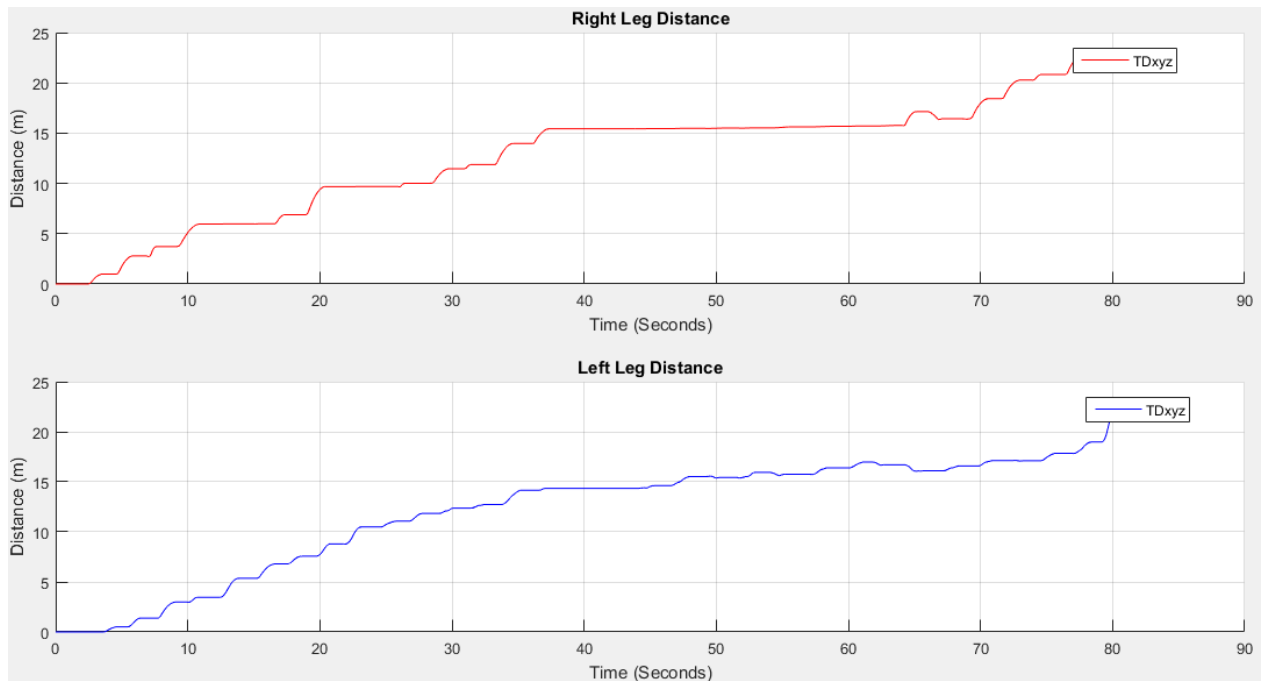


Figure 7.3: Result of distance estimation using proposed method

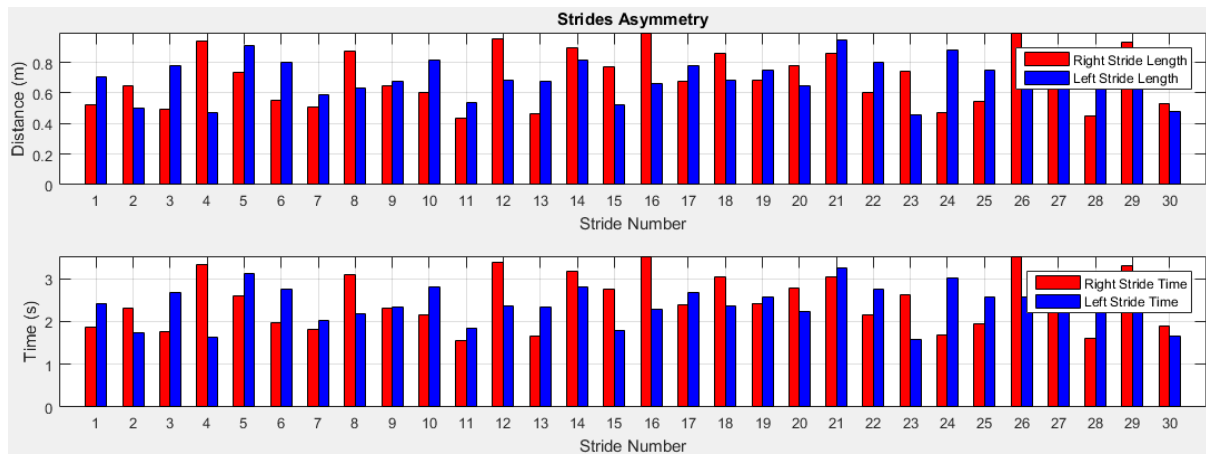


Figure 7.4: Stride asymmetry estimation of right and left legs

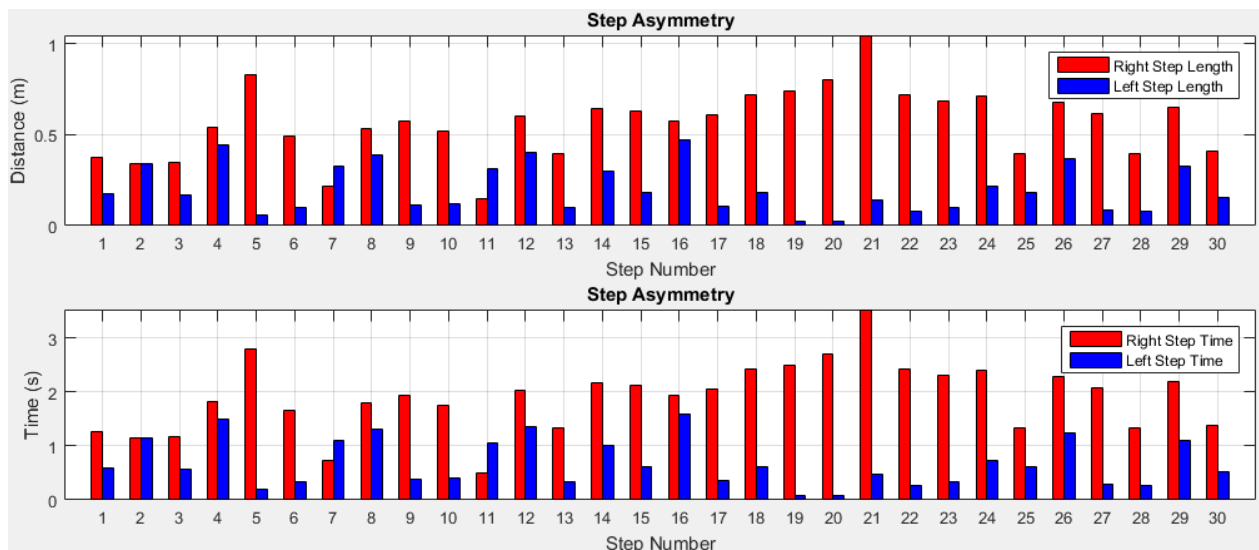


Figure 7.5: Step asymmetry estimation of right and left legs

8: Elderly Participant 8

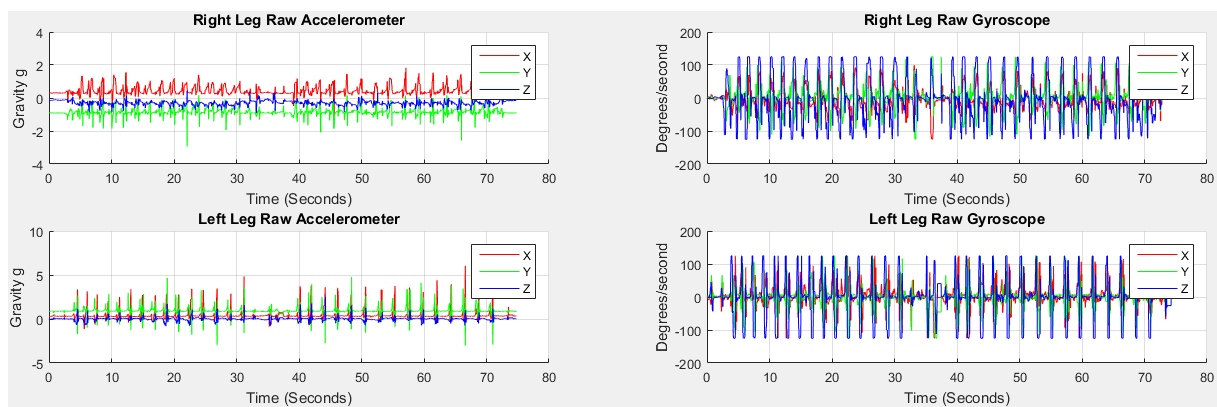


Figure 8.1: Accelerometer and gyroscope data from right and left legs

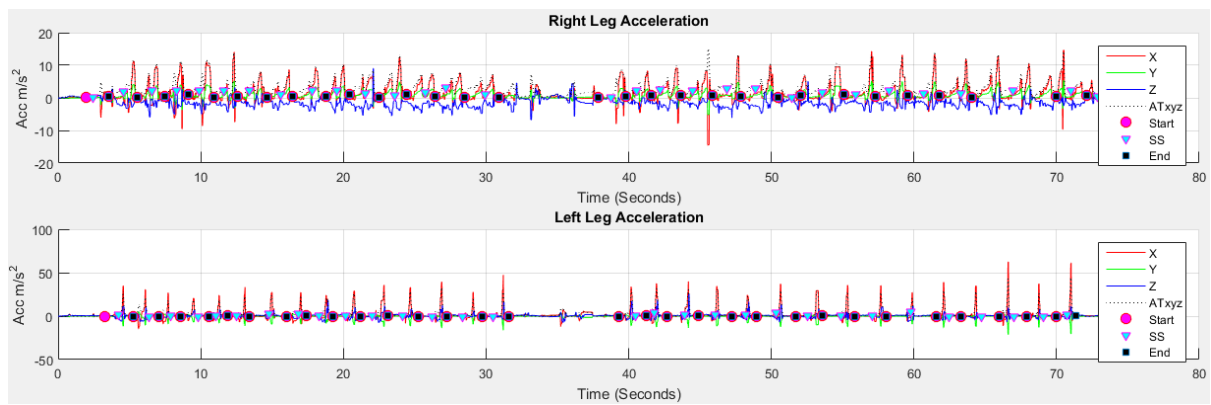


Figure 8.2: Result of stride, stance and swing event detection using proposed method

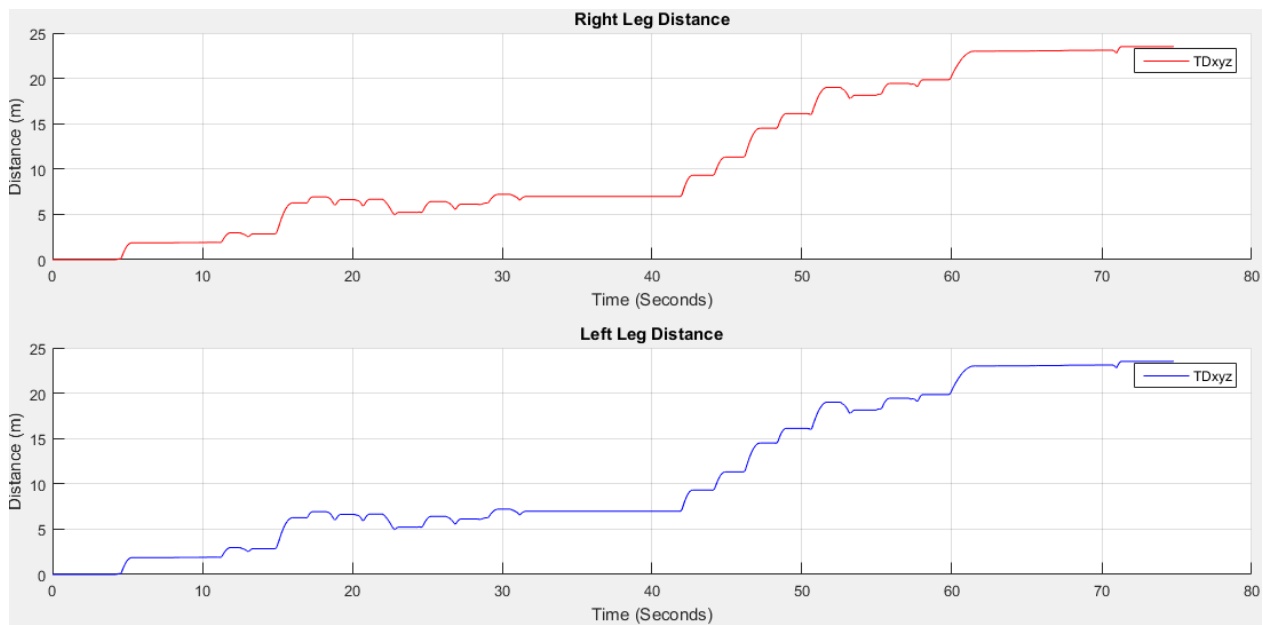


Figure 8.3: Result of distance estimation using proposed method

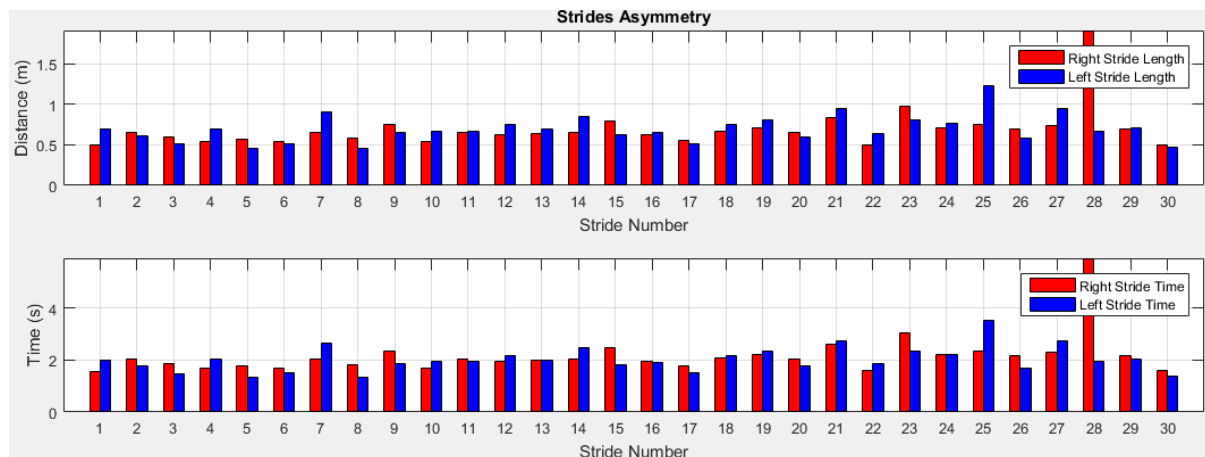


Figure 8.4: Stride asymmetry estimation of right and left legs

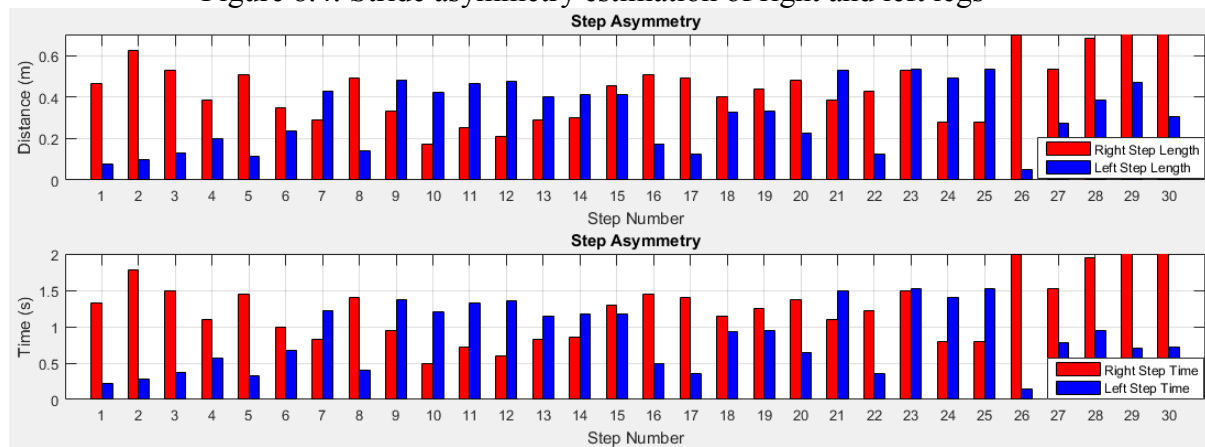


Figure 8.5: Step asymmetry estimation of right and left legs

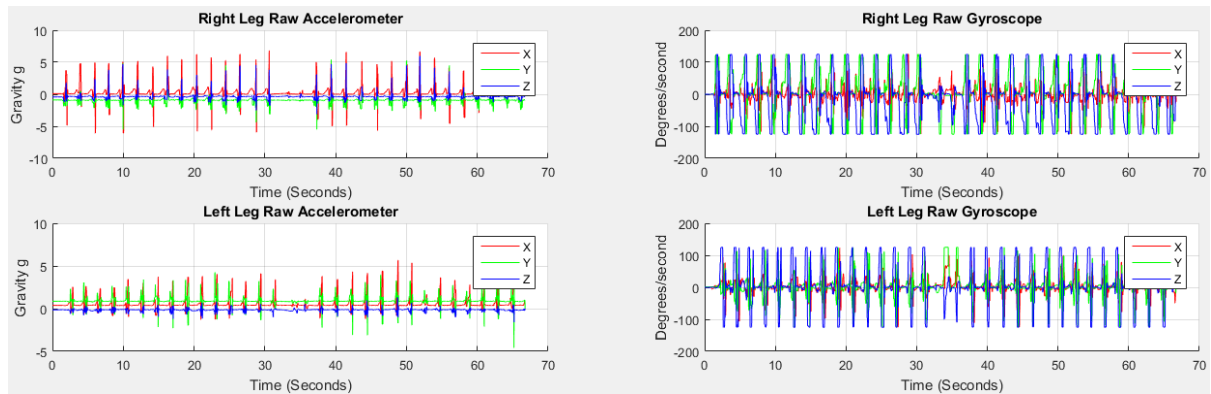


Figure 9.1: Accelerometer and gyroscope data from right and left legs

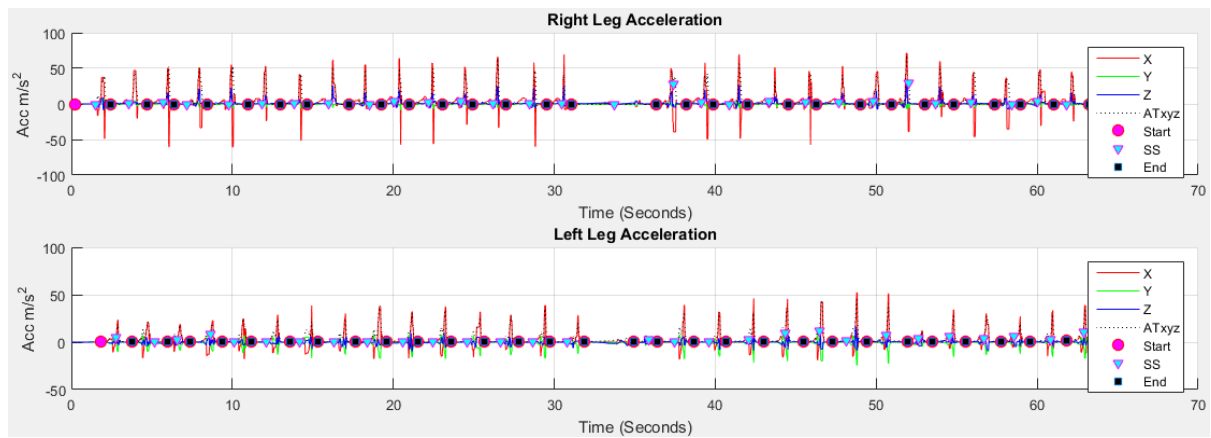


Figure 9.2: Result of stride, stance and swing event detection using proposed method

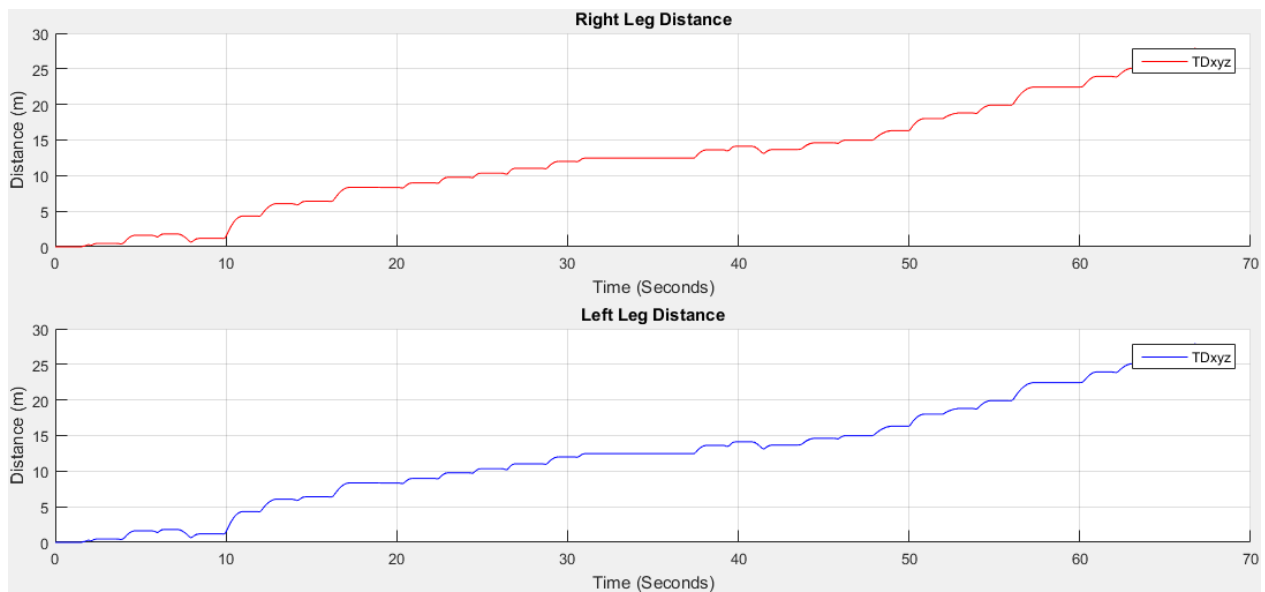


Figure 9.3: Result of distance estimation using proposed method

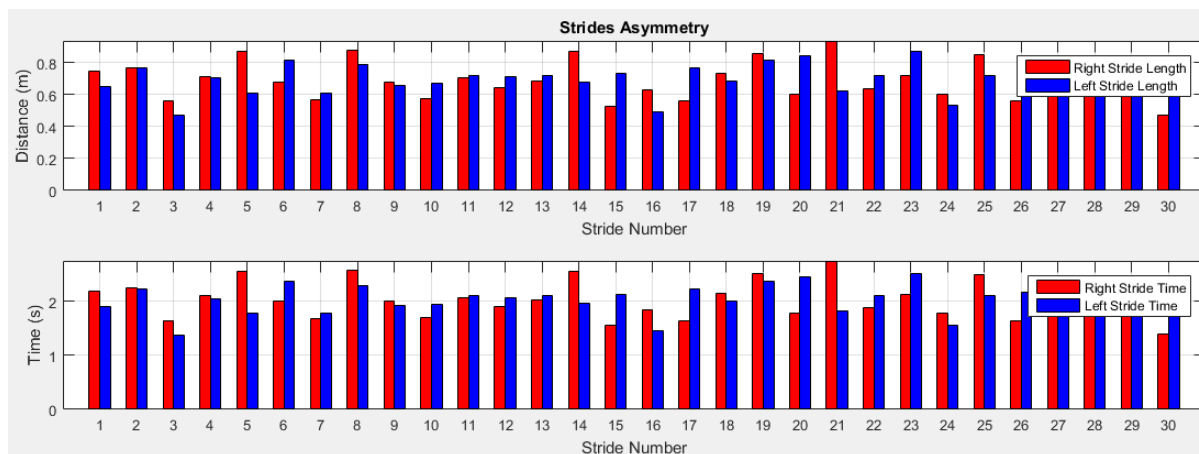


Figure 9.4: Stride asymmetry estimation of right and left legs

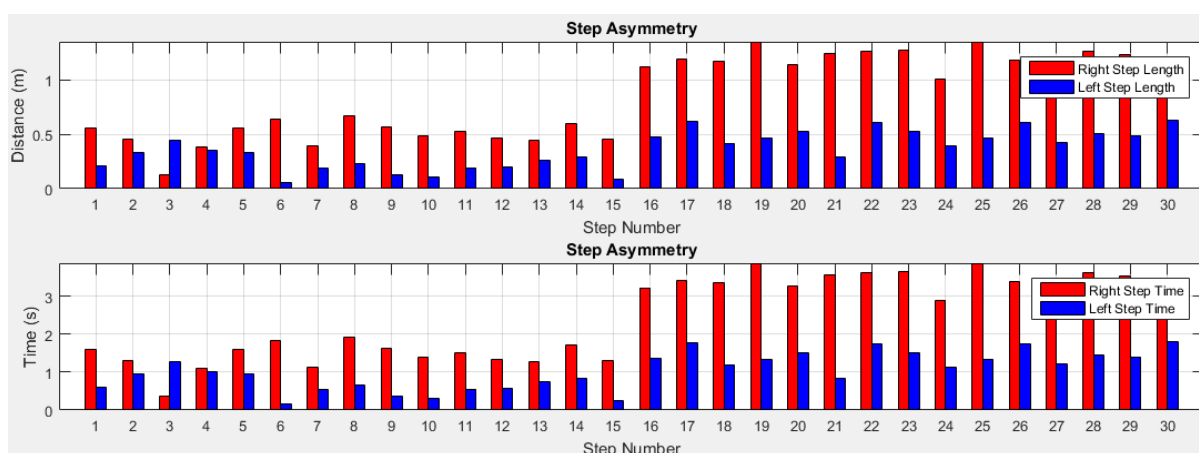


Figure 9.5: Step asymmetry estimation of right and left legs

10: Elderly Participant 10

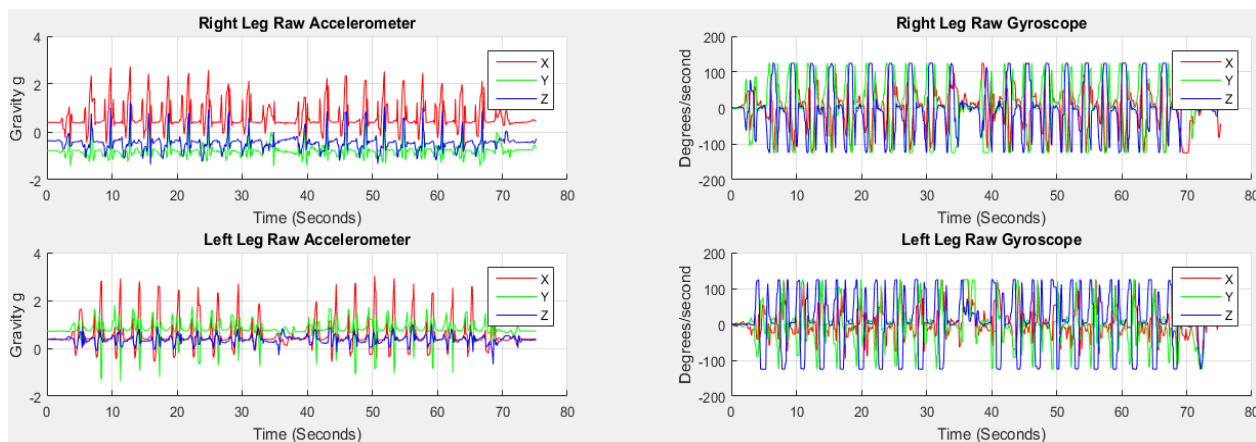


Figure 10.1: Accelerometer and gyroscope data from right and left legs

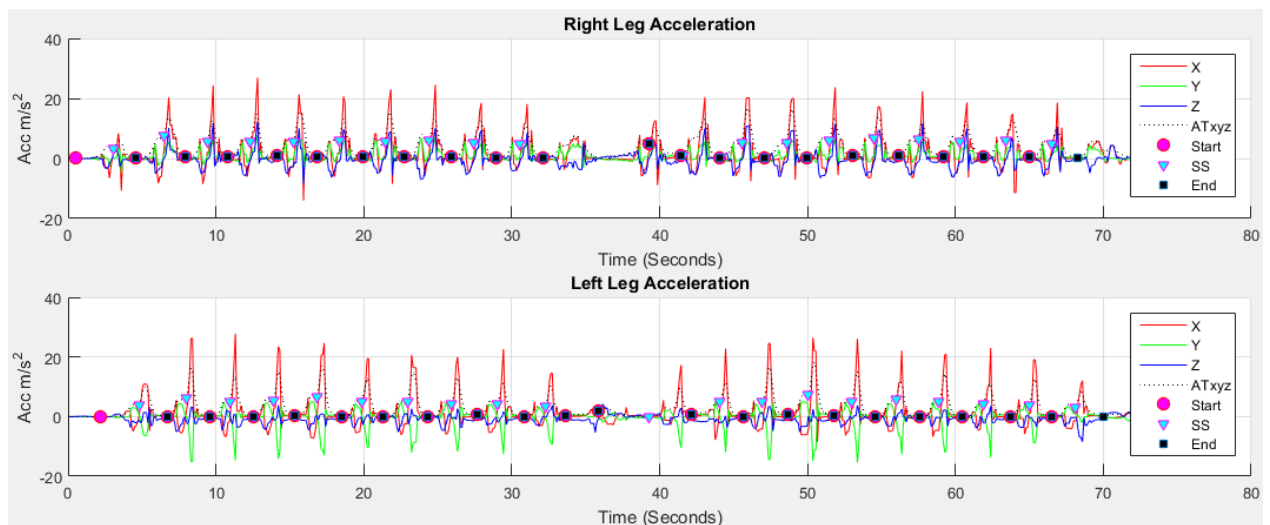


Figure 10.2: Result of stride, stance and swing event detection using proposed method

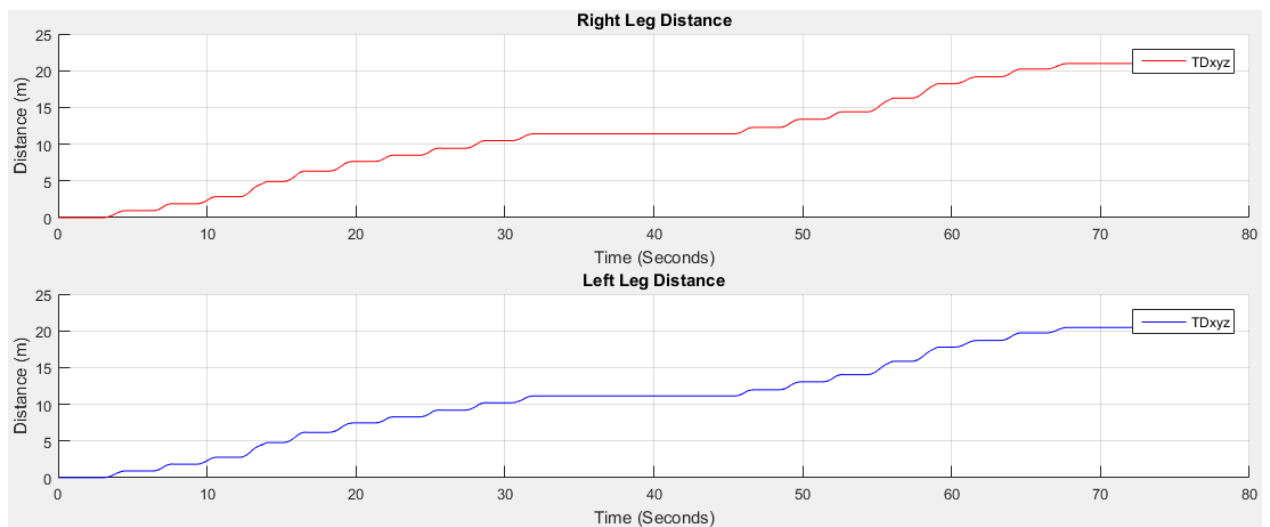


Figure 10.3: Result of distance estimation using proposed method

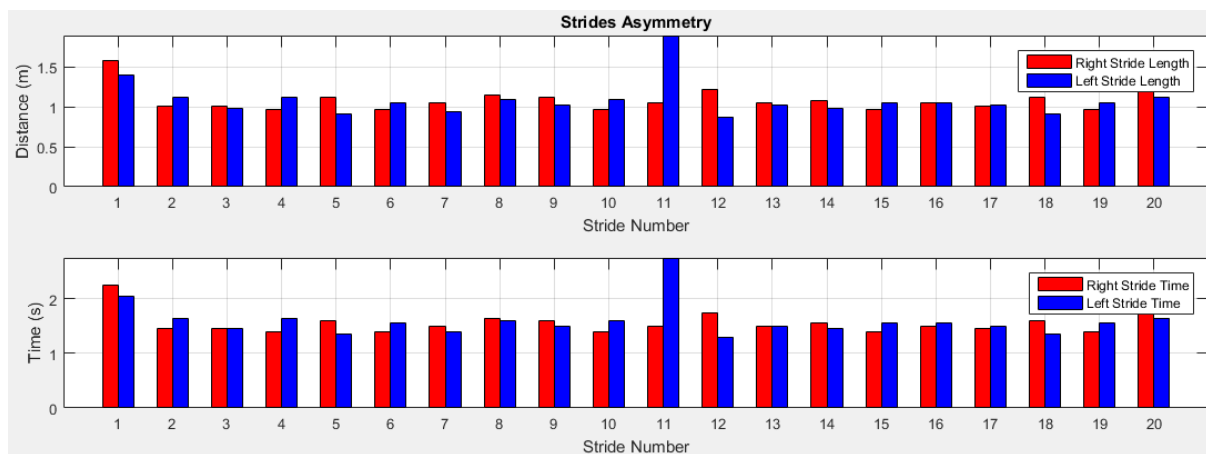


Figure 10.4: Stride asymmetry estimation of right and left legs

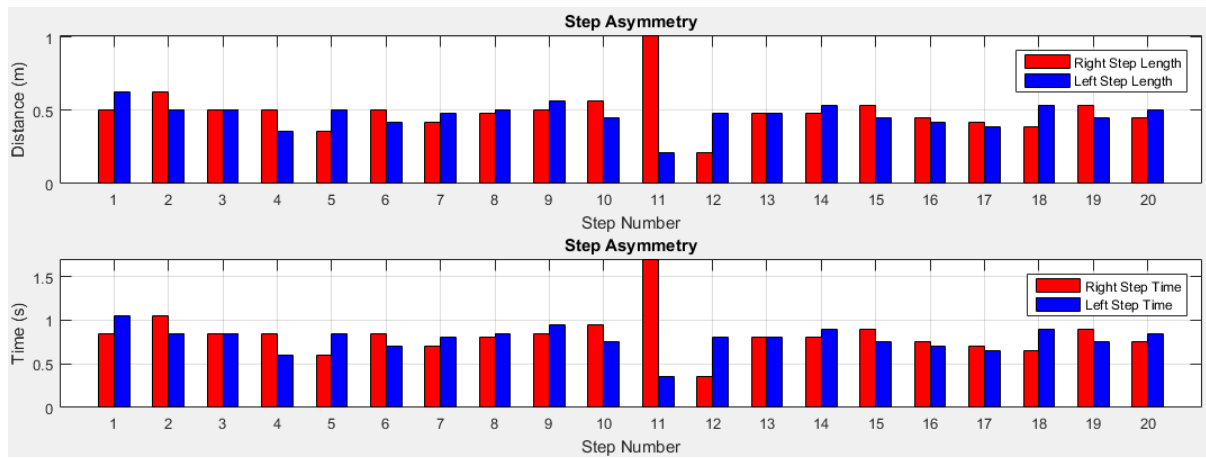


Figure 10.5: Step asymmetry estimation of right and left legs

Young Participant 1	Age	Height (m)	Weight (Kg)	Gender						
	23.0000	1.6500	60.0000	Male						
Total Time (s)	52.0500									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	38.6600	37.2979	96.4767	38.5012	99.5892					
Estimated Velocity (m/s)	0.7427	0.7166	96.4767	0.7397	99.5892					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.2656	0.1588	0.0252	0.9540	1.6456	1.2665	0.2036	0.0415	0.9631	1.9032
Stride Time (s)	1.3523	0.1666	0.0277	1.0255	1.7508	1.4065	0.2221	0.0493	1.0755	2.1010
Stride Velocity (m/s)	0.9359	0.9359	0.9359			0.9005	0.9005	0.9005		
Cadence (step/min)	34.5821					34.5821				
Step Speed (m/s)	0.9359	0.9535	0.9092			0.9005	0.9168	0.8404		
Step length (m)	0.4688	0.1279	0.0164	0.1115	0.7617	0.5357	0.1314	0.0173	0.2787	0.7803
Step time(s)	0.6311	0.1722	0.0297	0.1501	1.0255	0.7212	0.1769	0.0313	0.3752	1.0505
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.6887	0.1510	0.0221			0.7337	0.1314	0.0163		
Swing Length (m)	1.2510	0.5693	0.3241			1.2917	0.6358	0.4042		
Swing Time (s)	0.6637	0.1115	0.0131			0.6728	0.1755	0.0308		
Swing Velocity (m/s)	1.8850	1.8830	1.8830			1.9463	1.9158	1.9158		

Young Participant 2	Age	Height (m)	Weight (Kg)	Gender						
	19.0000	1.1700	55.0000	Female						
Total Time (s)	51.2250									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	42.0600	41.8235	99.4378	43.4401	96.7187					
Estimated Velocity (m/s)	0.8211	0.8165	99.4378	0.8480	96.7187					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6894	0.1029	0.0106	0.5389	0.9701	0.6893	0.0975	0.0095	0.4854	1.0193
Stride Time (s)	1.4649	0.2148	0.0462	1.1506	2.0510	1.4457	0.2009	0.0404	1.0255	2.1260
Stride Velocity (m/s)	0.4706	0.4706	0.4706			0.4768	0.4768	0.4768		
Cadence (step/min)	35.13					35.13				
Step Speed (m/s)	0.4706	0.4788	0.2293			0.4768	0.4852	0.2354		
Step length (m)	0.5032	0.1258	0.0158	0.3286	0.9242	0.6996	0.1368	0.0187	0.4518	1.1501
Step time(s)	0.6128	0.1532	0.0235	0.4002	1.1255	0.8521	0.1666	0.0277	0.5503	1.4007
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.7270	0.2032	0.0413			0.7204	0.0890	0.0079		
Swing Length (m)	1.4004	0.8569	0.7343			1.4550	1.0381	1.0776		
Swing Time (s)	0.7379	0.1442	0.0208			0.7254	0.1441	0.0208		
Swing Velocity (m/s)	1.8980	1.8980	1.8980			1.9719	2.0059	2.0059		

Young Participant 3	Age	Height (m)	Weight (Kg)	Gender						
	23.0000	1.7200	63.0000	Male						
Total Time (s)	55.5250									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	33.3800	32.9581	98.7360	32.8014	98.2667					
Estimated Velocity (m/s)	0.6012	0.5936	98.7360	0.5908	98.2667					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.0946	0.1369	0.0188	0.8612	1.4603	1.0944	0.1328	0.0176	0.7952	1.3064
Stride Time (s)	1.4873	0.1829	0.0335	1.1755	1.9759	1.4707	0.1754	0.0308	1.0755	1.7508
Stride Velocity (m/s)	0.7359	0.7359	0.7359			0.7441	0.7441	0.7441		
Cadence (step/min)	32.41					32.41				
Step Speed (m/s)	0.7359	0.7485	0.5603			0.7441	0.7570	0.5731		
Step length (m)	0.5067	0.1101	0.0121	0.2556	0.6766	0.3874	0.1145	0.0131	0.2105	0.7368
Step time(s)	0.8429	0.1831	0.0335	0.4252	1.1255	0.6445	0.1904	0.0363	0.3502	1.2256
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.7879	0.1227	0.0150			0.6961	0.1387	0.0192		
Swing Length (m)	1.1076	0.5979	0.3574			1.0975	0.6184	0.3825		
Swing Time (s)	0.6995	0.1300	0.0169			0.7745	0.1389	0.0193		
Swing Velocity (m/s)	1.5834	1.5834	1.5834			1.5690	1.4170	1.4170		

Young Participant 4	Age	Height (m)	Weight (Kg)	Gender						
	25.0000	1.5500	63.0000	Male						
Total Time (s)	59.9000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	38.5800	38.7624	99.5271	38.0767	98.6954					
Estimated Velocity (m/s)	0.6441	0.6471	99.5271	0.6357	98.6954					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.2661	0.1447	0.0209	1.0277	1.6032	1.2661	0.1546	0.0239	0.9671	1.5638
Stride Time (s)	1.5657	0.1761	0.0310	1.2755	1.9758	1.5640	0.1879	0.0353	1.2005	1.9258
Stride Velocity (m/s)	0.8087	0.8087	0.8087			0.8095	0.8095	0.8095		
Cadence (step/min)	30.05					30.05				
Step Speed (m/s)	0.8087	0.8218	0.6754			0.8095	0.8227	0.6768		
Step length (m)	0.4328	0.1033	0.0107	0.1450	0.5960	0.5756	0.1141	0.0130	0.3383	0.8376
Step time(s)	0.6719	0.1604	0.0257	0.2251	0.9254	0.8937	0.1771	0.0314	0.5252	1.3005
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.7153	0.1611	0.0260			0.7845	0.1296	0.0168		
Swing Length (m)	1.2961	0.4891	0.2393			1.2750	0.7640	0.5837		
Swing Time (s)	0.8504	0.1279	0.0163			0.7795	0.1601	0.0256		
Swing Velocity (m/s)	1.5241	1.5241	1.5241			1.4993	1.6356	1.6356		

Young Participant 5	Age	Height (m)	Weight (Kg)	Gender						
	26.0000	1.6500	61.0000	Male						
Total Time (s)	51.9000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	45.3600	43.8421	96.6537	45.4254	99.8559					
Estimated Velocity (m/s)	0.8740	0.8447	96.6537	0.8752	99.8559					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.4856	0.2062	0.0425	1.1190	2.2107	1.4855	0.1590	0.0253	1.2348	1.8660
Stride Time (s)	1.3865	0.1890	0.0357	1.0505	2.0510	1.3790	0.1449	0.0210	1.1506	1.7258
Stride Velocity (m/s)	1.0715	1.0715	1.0715			1.0772	1.0772	1.0772		
Cadence (step/min)	34.68					34.68				
Step Speed (m/s)	1.0715	1.0912	1.1907			1.0772	1.0971	1.2037		
Step length (m)	0.5727	0.1710	0.0292	0.0219	0.9400	0.6405	0.1883	0.0355	0.3279	1.3116
Step time(s)	0.6553	0.1957	0.0383	0.0250	1.0755	0.7329	0.2155	0.0464	0.3752	1.5007
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.7420	0.1313	0.0172			0.7879	0.1266	0.0160		
Swing Length (m)	1.4712	1.0718	1.1487			1.5330	1.1008	1.2118		
Swing Time (s)	0.6445	0.1366	0.0187			0.5911	0.0980	0.0096		
Swing Velocity (m/s)	2.2827	2.2827	2.2827			2.3786	2.5933	2.5933		

Young Participant 6	Age	Height (m)	Weight (Kg)	Gender						
	25.0000	1.7200	60.0000	Male						
Total Time (s)	56.5250									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	34.8600	34.9764	99.6662	35.4092	98.4245					
Estimated Velocity (m/s)	0.6167	0.6188	99.6662	0.6264	98.4245					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.1437	0.1515	0.0230	0.9089	1.4580	1.1431	0.1315	0.0173	0.9169	1.4631
Stride Time (s)	1.5357	0.2002	0.0401	1.2255	1.9509	1.4907	0.1686	0.0284	1.2005	1.9008
Stride Velocity (m/s)	0.7447	0.7447	0.7447			0.7669	0.7669	0.7669		
Cadence (step/min)	38.14					38.14				
Step Speed (m/s)	0.7447	0.7571	0.5732			0.7669	0.7800	0.6083		
Step length (m)	0.4190	0.1484	0.0220	0.1542	0.9255	0.5280	0.1197	0.0143	0.1542	0.7095
Step time(s)	0.6795	0.2406	0.0579	0.2501	1.5007	0.8562	0.1940	0.0376	0.2501	1.1505
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.7328	0.1617	0.0262			0.7695	0.1000	0.0100		
Swing Length (m)	1.1707	0.5774	0.3334			1.1844	0.8454	0.7148		
Swing Time (s)	0.8029	0.1236	0.0153			0.7212	0.1451	0.0211		
Swing Velocity (m/s)	1.4582	1.4582	1.4582			1.4752	1.6423	1.6423		

Young Participant 7	Age	Height (m)	Weight (Kg)	Gender						
	29.0000	1.6500	62.0000	Male						
Total Time (s)	48.6750									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	33.9800	32.8346	96.6292	34.3799	98.8230					
Estimated Velocity (m/s)	0.6981	0.6746	96.6292	0.7063	98.8230					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.1133	0.2098	0.0440	0.8028	1.6860	1.1126	0.2106	0.0443	0.7283	1.6230
Stride Time (s)	1.4124	0.2615	0.0684	1.0255	2.1261	1.3624	0.2531	0.0641	0.9005	1.9760
Stride Velocity (m/s)	0.7882	0.7882	0.7882			0.8166	0.8166	0.8166		
Cadence (step/min)	36.98					36.98				
Step Speed (m/s)	0.7882	0.8024	0.6439			0.8166	0.8319	0.6921		
Step length (m)	0.4784	0.1638	0.0268	0.1222	0.9429	0.6112	0.3713	0.1379	0.0349	1.5715
Step time(s)	0.6854	0.2347	0.0551	0.1751	1.3507	0.8754	0.5319	0.2829	0.0500	2.2512
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.6428	0.2228	0.0496			0.6595	0.2127	0.0452		
Swing Length (m)	1.0983	0.7311	0.5344			1.1511	0.7527	0.5666		
Swing Time (s)	0.7696	0.1448	0.0210			0.7029	0.1485	0.0221		
Swing Velocity (m/s)	1.4271	1.4271	1.4271			1.4957	1.6377	1.6377		

Young Participant 8	Age	Height (m)	Weight (Kg)	Gender						
	20.0000	1.5700	59.0000	Male						
Total Time (s)	47.0000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	40.0400	40.8586	97.9555	39.5247	98.7130					
Estimated Velocity (m/s)	0.8519	0.8693	97.9555	0.8410	98.7130					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.3106	0.2313	0.0535	0.9942	2.1126	1.3086	0.2375	0.0564	0.8622	1.7784
Stride Time (s)	1.3440	0.2328	0.0542	1.0255	2.1511	1.2398	0.2205	0.0486	0.8254	1.6759
Stride Velocity (m/s)	0.9751	0.9751	0.9751			1.0555	1.0555	1.0555		
Cadence (step/min)	38.29					38.29				
Step Speed (m/s)	0.9751	0.9936	0.9873			1.0555	1.0772	1.1604		
Step length (m)	0.6933	0.1765	0.0312	0.1065	1.0868	0.4518	0.2975	0.0885	0.0639	1.7260
Step time(s)	0.8138	0.2072	0.0429	0.1251	1.2757	0.5303	0.3492	0.1219	0.0750	2.0261
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.7221	0.2019	0.0408			0.5311	0.1529	0.0234		
Swing Length (m)	1.3743	0.7833	0.6135			1.3201	0.8302	0.6893		
Swing Time (s)	0.6220	0.1006	0.0101			0.7087	0.1698	0.0288		
Swing Velocity (m/s)	2.2095	2.2095	2.2095			2.1224	1.8627	1.8627		

Young Participant 9	Age	Height (m)	Weight (Kg)	Gender						
	28.0000	1.7100	63.0000	Male						
Total Time (s)	47.6250									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	42.0600	41.9621	99.7673	41.7334	99.2236					
Estimated Velocity (m/s)	0.8831	0.8811	99.7673	0.8763	99.2236					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
			Right						Left	
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.3761	0.1767	0.0312	1.1266	2.0118	1.3762	0.2322	0.0539	1.1476	2.3485
Stride Time (s)	1.3082	0.1648	0.0271	1.0756	1.9010	1.3149	0.2176	0.0474	1.1006	2.2262
Stride Velocity (m/s)	1.0519	1.0519	1.0519			1.0467	1.0467	1.0467		
Cadence (step/min)	37.79					37.79				
Step Speed (m/s)	1.0519	1.0724	1.1500			1.0467	1.0670	1.1384		
Step length (m)	0.5795	0.1636	0.0268	0.0442	0.9720	0.5758	0.2088	0.0436	0.2651	1.4801
Step time(s)	0.6562	0.1853	0.0343	0.0500	1.1006	0.6520	0.2364	0.0559	0.3002	1.6759
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.6862	0.1366	0.0187			0.6345	0.1044	0.0109		
Swing Length (m)	1.4099	0.5759	0.3317			1.3937	2.3612	5.5754		
Swing Time (s)	0.6220	0.1019	0.0104			0.6804	0.1955	0.0382		
Swing Velocity (m/s)	2.2667	2.2667	2.2667			2.2407	2.0485	2.0485		

Young Participant 10	Age	Height (m)	Weight (Kg)	Gender						
	35.0000	1.7500	73.0000	Male						
Total Time (s)	48.0500									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	28.7600	26.5916	92.4603	28.7914	99.8909					
Estimated Velocity (m/s)	0.5985	0.5534	92.4603	0.5992	99.8909					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.9404	0.1343	0.0180	0.7181	1.3416	0.9404	0.0938	0.0088	0.8487	1.2447
Stride Time (s)	1.2698	0.1778	0.0316	0.9755	1.8009	1.2723	0.1244	0.0155	1.1506	1.6759
Stride Velocity (m/s)	0.7406	0.7406	0.7406			0.7391	0.7391	0.7391		
Cadence (step/min)	37.46					37.46				
Step Speed (m/s)	0.7406	0.7555	0.5707			0.7391	0.7540	0.5685		
Step length (m)	0.3498	0.0818	0.0067	0.1647	0.5539	0.4102	0.0994	0.0099	0.2695	0.7037
Step time(s)	0.5845	0.1366	0.0187	0.2751	0.9255	0.6854	0.1661	0.0276	0.4502	1.1756
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.6462	0.1190	0.0142			0.6412	0.0909	0.0083		
Swing Length (m)	0.8935	0.5170	0.2673			0.9670	0.4313	0.1860		
Swing Time (s)	0.6237	0.1275	0.0163			0.6312	0.1292	0.0167		
Swing Velocity (m/s)	1.4327	1.4327	1.4327			1.5506	1.5322	1.5322		

Elderly Participant 1	Age	Height (m)	Weight (Kg)	Gender						
	67.0000	1.5700	68.0000	Male						
Total Time (s)	99.3000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	21.0300	20.5910	97.9123	20.4708	97.3409					
Estimated Velocity (m/s)	0.2118	0.2074	97.9123	0.2062	97.3409					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6889	0.0702	0.0049	0.5630	0.8382	0.6891	0.0902	0.0081	0.4931	1.0478
Stride Time (s)	2.8047	0.2805	0.0787	2.3012	3.4017	2.8464	0.3660	0.1340	2.0510	4.3022
Stride Velocity (m/s)	0.2456	0.2456	0.2456			0.2421	0.2421	0.2421		
Cadence (step/min)	11.13					11.13				
Step Speed (m/s)	0.2456	0.2501	0.0625			0.2421	0.2464	0.0607		
Step length (m)	0.2719	0.0643	0.0041	0.1377	0.4556	0.3221	0.0541	0.0029	0.2331	0.4556
Step time(s)	1.2840	0.3037	0.0922	0.6503	2.1511	1.5208	0.2556	0.0653	1.1006	2.1511
Step Ratio (Step length/cadence)	0.02					0.02				
Stance Time (s)	1.3457	0.2315	0.0535			1.4274	0.3481	0.1216		
Swing Length (m)	0.6896	0.3485	0.1215			0.6853	0.4392	0.1929		
Swing Time (s)	1.4591	0.2341	0.0549			1.4194	0.2071	0.0418		
Swing Velocity (m/s)	0.4726	0.4717	0.4717			0.4688	0.4831	0.4831		

Elderly Participant 2	Age	Height (m)	Weight (Kg)	Gender						
	63.0000	1.7300	62.0000	Female						
Total Time (s)	73.4500									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	26.8200	26.4892	98.7666	25.2723	94.2292					
Estimated Velocity (m/s)	0.3651	0.3606	98.7666	0.3441	94.2292					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6929	0.1353	0.0183	0.4184	0.9373	0.6930	0.1357	0.0184	0.4527	0.9548
Stride Time (s)	2.0957	0.4044	0.1635	1.2754	2.8260	2.1307	0.4124	0.1701	1.4005	2.9260
Stride Velocity (m/s)	0.3306	0.3306	0.3306			0.3253	0.3253	0.3253		
Cadence (step/min)	24.50					24.50				
Step Speed (m/s)	0.3306	0.3346	0.1120			0.3253	0.3291	0.1083		
Step length (m)	0.1820	0.1408	0.0198	-0.1461	0.5662	0.5832	0.1458	0.0212	0.2922	0.7762
Step time(s)	0.4985	0.3856	0.1487	-0.4001	1.5505	1.5972	0.3992	0.1594	0.8003	2.1257
Step Ratio (Step length/cadence)	0.02					0.02				
Stance Time (s)	0.9853	0.2655	0.0705			1.0870	0.2469	0.0609		
Swing Length (m)	0.8820	0.6585	0.4336			0.8433	0.6916	0.4783		
Swing Time (s)	1.1104	0.2307	0.0532			1.0437	0.2568	0.0659		
Swing Velocity (m/s)	0.7943	0.7943	0.7943			0.7595	0.8080	0.8080		

Elderly Participant 3	Age	Height (m)	Weight (Kg)	Gender						
	86.0000	1.4200	64.0000	Male						
Total Time (s)	96.5750									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	20.7000	20.8989	99.0393	20.6760	99.8842					
Estimated Velocity (m/s)	0.2143	0.2164	99.0393	0.2141	99.8842					
Detected Stride Number	26.0000	26.0000	100.0000	26.0000	100.0000					
Detected Step Number	26.0000	26.0000	100.0000	26.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.7901	0.1315	0.0173	0.6653	1.2490	0.7898	0.0780	0.0061	0.6586	0.9616
Stride Time (s)	3.1729	0.5238	0.2744	2.6757	5.0013	3.0239	0.2961	0.0877	2.5257	3.6760
Stride Velocity (m/s)	0.2490	0.2490	0.2490			0.2612	0.2612	0.2612		
Cadence (step/min)	18.63					18.63				
Step Speed (m/s)	0.2490	0.2510	0.0630			0.2612	0.2634	0.0694		
Step length (m)	-0.1633	0.3575	0.1278	-0.5682	0.4824	0.1952	0.3440	0.1183	-0.2519	0.7236
Step time(s)	-0.7617	1.6678	2.7816	-2.6507	2.2506	0.9108	1.6050	2.5759	-1.1753	3.3759
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	1.6427	0.4033	0.1626			1.5292	0.2439	0.0595		
Swing Length (m)	0.8025	1.1141	1.2413			0.7953	0.5205	0.2709		
Swing Time (s)	1.5302	0.3247	0.1054			1.4946	0.2224	0.0494		
Swing Velocity (m/s)	0.5244	0.5244	0.5244			0.5198	0.5321	0.5321		

Elderly Participant 4	Age	Height (m)	Weight (Kg)	Gender						
	73.0000	1.4400	65.0000	Male						
Total Time (s)	71.8250									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	24.6000	24.6303	99.8769	25.4147	96.6884					
Estimated Velocity (m/s)	0.3425	0.3429	99.8769	0.3538	96.6884					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6929	0.0989	0.0098	0.4836	0.9506	0.6928	0.1469	0.0216	0.4318	0.9990
Stride Time (s)	2.1032	0.2967	0.0881	1.4755	2.8760	2.0716	0.4340	0.1883	1.3005	2.9760
Stride Velocity (m/s)	0.3295	0.3295	0.3295			0.3344	0.3344	0.3344		
Cadence (step/min)	25.06					25.06				
Step Speed (m/s)	0.3295	0.3334	0.1112			0.3344	0.3385	0.1146		
Step length (m)	0.2484	0.1259	0.0158	-0.0257	0.5311	0.4720	0.1252	0.0157	0.2313	0.7709
Step time(s)	0.7253	0.3675	0.1351	-0.0750	1.5505	1.3780	0.3655	0.1336	0.6752	2.2508
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	1.1029	0.1900	0.0361			1.0204	0.2560	0.0655		
Swing Length (m)	0.8217	0.3438	0.1182			0.8482	0.6649	0.4421		
Swing Time (s)	1.0003	0.2136	0.0456			1.0512	0.2618	0.0685		
Swing Velocity (m/s)	0.8214	0.8214	0.8214			0.8479	0.8069	0.8069		

Elderly Participant 5	Age	Height (m)	Weight (Kg)	Gender						
	75.0000	1.3200	62.0000	Male						
Total Time (s)	105.6250									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	15.5000	20.1874	69.7587	19.0633	77.0108					
Estimated Velocity (m/s)	0.1467	0.1911	69.7587	0.1805	77.0108					
Detected Stride Number	26.0000	26.0000	100.0000	26.0000	100.0000					
Detected Step Number	26.0000	26.0000	100.0000	26.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.5917	0.1095	0.0120	0.4283	0.9947	0.5917	0.0937	0.0088	0.4640	0.8545
Stride Time (s)	3.2383	0.5948	0.3538	2.3506	5.4263	3.2460	0.5103	0.2604	2.5506	4.6761
Stride Velocity (m/s)	0.1827	0.1827	0.1827			0.1823	0.1823	0.1823		
Cadence (step/min)	17.04					17.04				
Step Speed (m/s)	0.1827	0.1842	0.0339			0.1823	0.1837	0.0338		
Step length (m)	-0.0557	0.2005	0.0402	-0.4257	0.2569	0.0546	0.2006	0.0402	-0.2569	0.4257
Step time(s)	-0.3799	1.3664	1.8669	-2.9007	1.7504	0.3722	1.3671	1.8689	-1.7504	2.9007
Step Ratio (Step length/cadence)	0.003					0.003				
Stance Time (s)	1.6196	0.3026	0.0916			1.6292	0.3636	0.1322		
Swing Length (m)	0.7756	0.9104	0.8289			0.7327	0.8279	0.6855		
Swing Time (s)	1.6187	0.4003	0.1602			1.6167	0.2991	0.0895		
Swing Velocity (m/s)	0.4791	0.4791	0.4791			0.4527	0.4532	0.4532		

Elderly Participant 6	Age	Height (m)	Weight (Kg)	Gender						
	62.0000	1.6800	59.0000	Male						
Total Time (s)	96.5750									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	20.7000	20.7377	99.8179	20.6760	99.8842					
Estimated Velocity (m/s)	0.2143	0.2147	99.8179	0.2141	99.8842					
Detected Stride Number	26.0000	26.0000	100.0000	26.0000	100.0000					
Detected Step Number	26.0000	26.0000	100.0000	26.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.7900	0.1314	0.0173	0.6737	1.2648	0.7898	0.0780	0.0061	0.6586	0.9616
Stride Time (s)	3.1335	0.5171	0.2674	2.6757	5.0013	3.0239	0.2961	0.0877	2.5257	3.6760
Stride Velocity (m/s)	0.2521	0.2521	0.2521			0.2612	0.2612	0.2612		
Cadence (step/min)	18.63					18.63				
Step Speed (m/s)	0.2521	0.2542	0.0646			0.2612	0.2634	0.0694		
Step length (m)	-0.1633	0.3575	0.1278	-0.5682	0.4824	0.1868	0.3330	0.1109	-0.2519	0.5682
Step time(s)	-0.7617	1.6678	2.7816	-2.6507	2.2506	0.8714	1.5538	2.4142	-1.1753	2.6507
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	1.6091	0.3821	0.1460			1.5292	0.2439	0.0595		
Swing Length (m)	0.7961	1.0520	1.1068			0.7953	0.5205	0.2709		
Swing Time (s)	1.5244	0.3275	0.1072			1.4946	0.2224	0.0494		
Swing Velocity (m/s)	0.5223	0.5223	0.5223			0.5217	0.5321	0.5321		

Elderly Participant 7	Age	Height (m)	Weight (Kg)	Gender						
	71.0000	1.6500	64.0000	Male						
Total Time (s)	80.1000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	23.7700	22.9554	96.5728	23.2947	98.0005					
Estimated Velocity (m/s)	0.2968	0.2866	96.5728	0.2908	98.0005					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6941	0.1794	0.0322	0.4334	0.9947	0.6939	0.1307	0.0171	0.4543	0.9453
Stride Time (s)	2.4683	0.6315	0.3988	1.5505	3.5261	2.3932	0.4462	0.1991	1.5755	3.2510
Stride Velocity (m/s)	0.2812	0.2812	0.2812			0.2899	0.2899	0.2899		
Cadence (step/min)	21.47					21.47				
Step Speed (m/s)	0.2812	0.2841	0.0807			0.2899	0.2930	0.0859		
Step length (m)	0.1680	0.1747	0.0305	-0.2152	0.4750	0.5645	0.1912	0.0365	0.1484	1.0464
Step time(s)	0.5660	0.5888	0.3467	-0.7252	1.6005	1.9023	0.6442	0.4150	0.5002	3.5261
Step Ratio (Step length/cadence)	0.02					0.02				
Stance Time (s)	1.2662	0.3561	0.1268			1.1787	0.2943	0.0866		
Swing Length (m)	0.7653	0.9251	0.8558			0.7766	0.8934	0.7981		
Swing Time (s)	1.2020	0.3521	0.1240			1.2145	0.2146	0.0460		
Swing Velocity (m/s)	0.6366	0.6366	0.6366			0.6460	0.6394	0.6394		

Elderly Participant 8	Age	Height (m)	Weight (Kg)	Gender						
	67.0000	1.5800	60.0000	Male						
Total Time (s)	74.8000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	26.2100	26.8913	97.4006	23.5050	89.6797					
Estimated Velocity (m/s)	0.3504	0.3595	97.4006	0.3142	89.6797					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6932	0.2528	0.0639	0.4953	1.9081	0.6926	0.1675	0.0280	0.4538	1.2217
Stride Time (s)	2.1599	0.7787	0.6064	1.5505	5.9020	2.0098	0.4799	0.2303	1.3254	3.5262
Stride Velocity (m/s)	0.3209	0.3209	0.3209			0.3446	0.3446	0.3446		
Cadence (step/min)	24.06					24.06				
Step Speed (m/s)	0.3209	0.3247	0.1054			0.3446	0.3489	0.1218		
Step length (m)	0.3444	0.3203	0.1026	-0.7536	0.7010	0.3124	0.1583	0.0251	0.0526	0.5345
Step time(s)	0.9828	0.9140	0.8354	-2.1507	2.0007	0.8604	0.4435	0.1967	0.1501	1.5255
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	1.0495	0.4316	0.1863			1.0278	0.2793	0.0780		
Swing Length (m)	0.8962	1.3252	1.7561			0.7856	1.2665	1.6041		
Swing Time (s)	1.1104	0.4352	0.1894			0.9820	0.2690	0.0724		
Swing Velocity (m/s)	0.8071	0.8071	0.8071			0.7075	0.8000	0.8000		

Elderly Participant 9	Age	Height (m)	Weight (Kg)	Gender						
	63.0000	1.2700	62.0000	Female						
Total Time (s)	66.7500									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	23.2600	27.9676	79.7611	22.9786	98.7900					
Estimated Velocity (m/s)	0.3485	0.4190	79.7611	0.3442	98.7900					
Detected Stride Number	30.0000	30.0000	100.0000	30.0000	100.0000					
Detected Step Number	30.0000	30.0000	100.0000	30.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	0.6927	0.1188	0.0141	0.4727	0.9368	0.6926	0.0968	0.0094	0.4697	0.8697
Stride Time (s)	2.0408	0.3457	0.1195	1.4005	2.7510	2.0166	0.2782	0.0774	1.3755	2.5259
Stride Velocity (m/s)	0.3394	0.3394	0.3394			0.3434	0.3434	0.3434		
Cadence (step/min)	26.99					26.99				
Step Speed (m/s)	0.3394	0.3436	0.1181			0.3434	0.3478	0.1209		
Step length (m)	0.8462	0.3802	0.1445	0.1307	1.3508	0.3622	0.1700	0.0289	0.0610	0.6275
Step time(s)	2.4284	1.0910	1.1903	0.3751	3.8765	1.0396	0.4878	0.2380	0.1751	1.8007
Step Ratio (Step length/cadence)	0.03					0.01				
Stance Time (s)	1.0621	0.2186	0.0478			0.9837	0.2181	0.0475		
Swing Length (m)	0.9328	0.8875	0.7877			0.7679	1.2501	1.5628		
Swing Time (s)	0.9787	0.2440	0.0595			1.0329	0.2003	0.0401		
Swing Velocity (m/s)	0.9531	0.9531	0.9531			0.7846	0.7434	0.7434		

Elderly Participant 10	Age	Height (m)	Weight (Kg)	Gender						
	67.0000	1.5700	68.0000	Male						
Total Time (s)	37.6000									
	Actual	Right Leg	Accuracy	Left Leg	Accuracy					
Total Distance (m)	22.3500	10.7724	48.1985	10.5724	47.3039					
Estimated Velocity (m/s)	0.5944	0.2865	48.1985	0.2812	47.3039					
Detected Stride Number	20.0000	20.0000	100.0000	20.0000	100.0000					
Detected Step Number	20.0000	20.0000	100.0000	20.0000	100.0000					
	Right					Left				
Gait Features	Mean	StaDev	Variance	MinRange	MaxRange	Mean	StaDev	Variance	MinRange	MaxRange
Stride Length (m)	1.0824	0.1372	0.0188	0.7758	1.4777	1.0842	0.2780	0.0773	0.9227	2.1188
Stride Time (s)	1.5170	0.1860	0.0346	1.1015	2.0527	1.5996	0.4074	0.1659	1.4019	3.1542
Stride Velocity (m/s)	0.7135	0.7135	0.7135			0.6778	0.6617	0.6617		
Cadence (step/min)	31.91					31.91				
Step Speed (m/s)	0.7135	0.7379	0.5444			0.6778	0.6826	0.4659		
Step length (m)	0.4955	0.1494	0.0223	0.2083	1.0119	0.4896	0.0870	0.0076	-0.6250	-0.2083
Step time(s)	0.8336	0.2513	0.0631	0.3505	1.7023	0.8236	0.1463	0.0214	-1.0514	-0.3505
Step Ratio (Step length/cadence)	0.01					0.01				
Stance Time (s)	0.8186	0.2151	0.0462			0.7911	0.2637	0.0696		
Swing Length (m)	0.5294	0.2644	0.0699			0.5929	0.5208	0.2712		
Swing Time (s)	0.6984	0.2642	0.0698			0.8486	0.1604	0.0257		
Swing Velocity (m/s)	0.7579	0.7579	0.7579			0.8489	0.6986	0.6986		