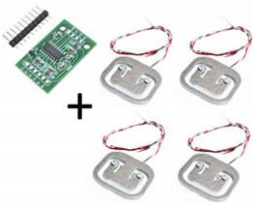

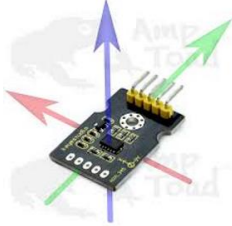
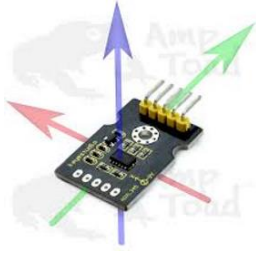
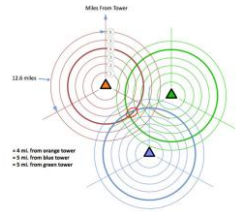






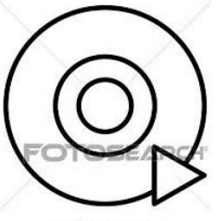

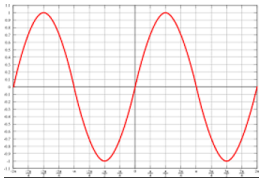
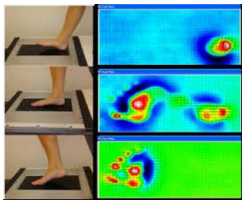




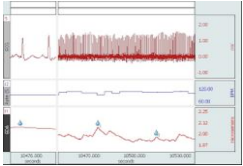

Set Up				
Attach Sensors to Foot	adhesive 	insole of shoe 	rubber band (Detachable) 	secure with string (sewn) 
Attach Sensors to cane/walker/crutch	adhesive 	3D printed attachment 	tape 	glue 
Power				
Power on	switch 	button 	voice activated 	
Power on indicator	light 	sound 	vibration 	

Battery	Lithium ion 	9V 	Nickel Hydrogen Battery 	
Low Battery Signal	flashing light 	siren 	buzzer 	vibration 

Collect Data				
Measure Force	load cell 	pressure sensor 	accelerometer 	

Measure Location	accelerometer	triangulation	Radar	RF Beacons
				

Data Communication				
Process Data	microcontroller	PC	single board computer	
				
Transmit Data	wireless	data logger	USB	
				
Data Analysis				
Display Data	graphically	visually	CSV	
				

Save Data	SD card 	data logging software 	upload to server 	
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Packaging				
Waterproof Techniques	spray 	waterproof case 	epoxy 	
Transportation of System	small case 	bag 		