	SAPID-6000 4200132
	Expt5
9.1.>	Explain any one application based on this experiment (Related to your core branch)
Ans.	The ultrasonic distance meter works by transmitting a short pulse of sound at a frequency inaudible to the ear.
	ultrasonic sensor is preffered for human following robot due to its wide detection area, less light dependancy, the ability to detect glass and chinning wall, smaller in size, light weight, uses a very low memory and less power consumption.  However, being a spectacular type of sensor and narrowly focused, this can cause wrong estimation and recognition of human. Therefore necessary accompanying algorithms should be developed to encounter this lesse.
	Whensonic sensors and when some distance metrs can be used in high level security systems that are setup by complicated computer programming. These security systems helps in guardoing a sensitive space efficiently. This can be used to detect the body language and presence of an intender. The whensonic sensors can be programmed to send an "alext" to the headquaters on the guards.
<b>→</b>	Utrasonic distance meters can also be used in automobile industry in the development of automated vehicles and time safety equipments.

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