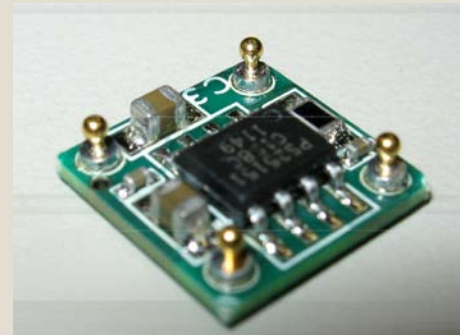



Indoor Movement Detection

Problem / Question	Project Aim	Expected Results			
Current movement detection sensors are easily easy interfered by unwanted objects, blocked by obstacles and it has limitations. Why we can build a powerful sensor that overcome all the existing drawbacks and bring a better future for security and safely sectors.	Build a sensing system for movement measurement use electronic potential sensors.	Detect spatial potential, electric field. Monitoring electric field disturbance. Record the data for further analysis. All these cause by large dielectric object move through the local electric field, the dielectric objects will interference the electric field.			
Existing Sensing Device	EPIC sensor	Procedure			
The existing passive sensing technology have been used for example: Ultrasonic sensor PIR-Pyroelectric Infrared Sensor, Infrared sensor	The electronic potential sensor or the EPIC sensor. Ultra High Impedance Movement Sensor Produce by Plessey Semiconductors	Step 1	Step 2	Step 3	Step 4
		Research review Find the existing technology	Plan And Pre-work e.g. How to use EPIC sensor	Implementation Test Verification Modification	Present a report
				Contact	
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