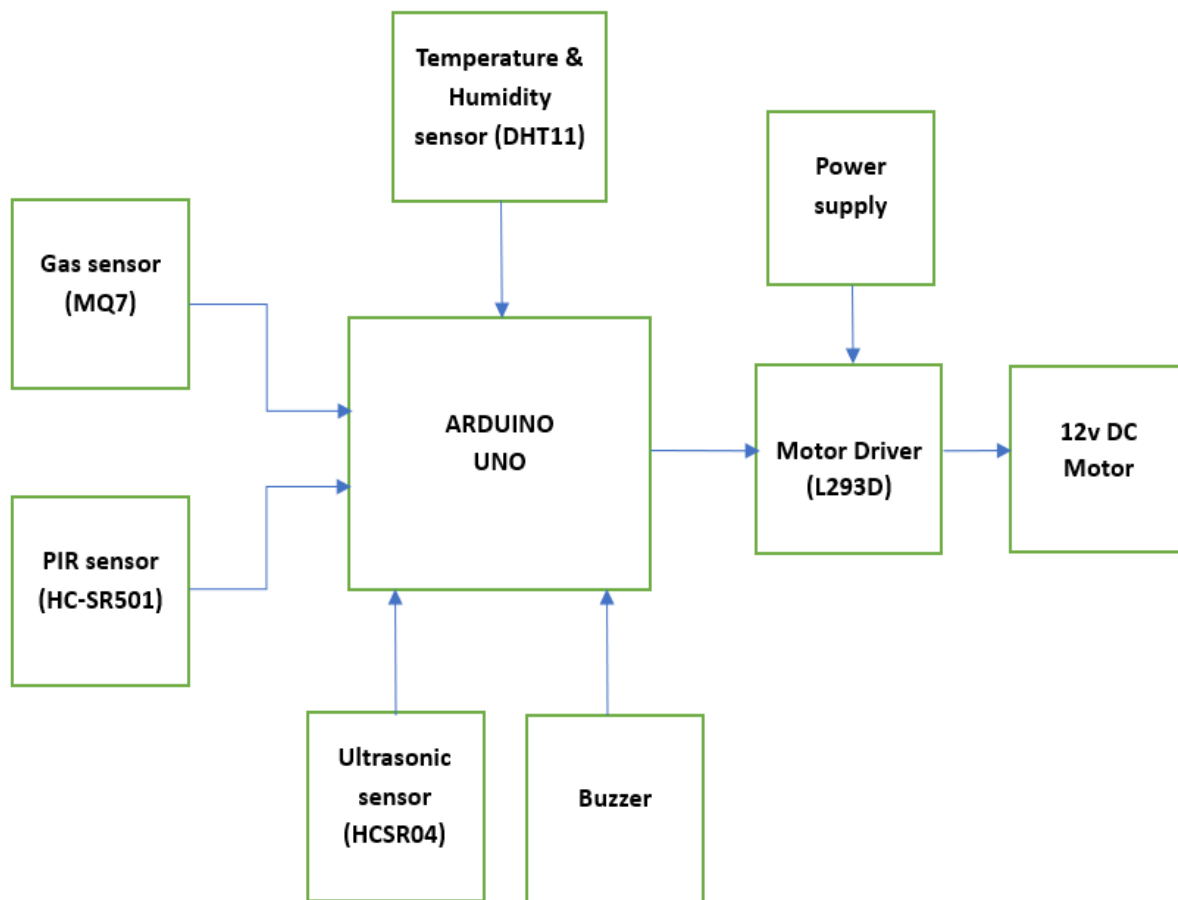
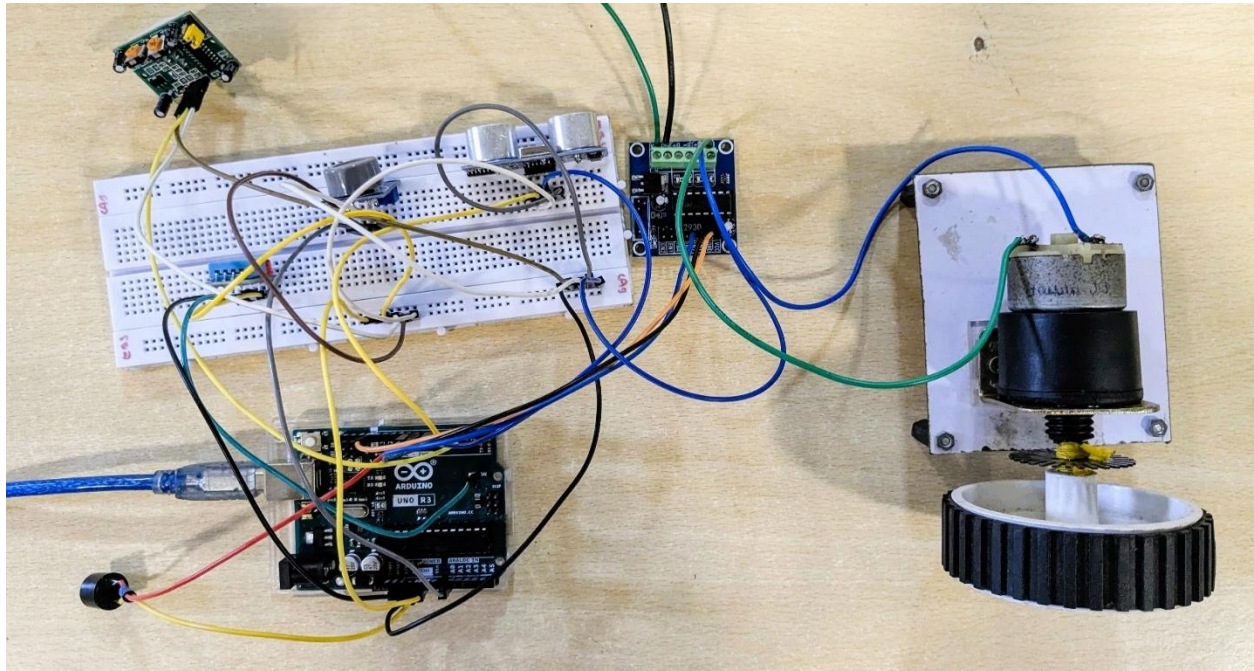


## BLOCK DIAGRAM :



## RESULTS :

### Hardware implementation :



### TABULAR RESULT :

S.no	Sensors	Input conditions	Output
1	DHT11 sensor	1. dht11 temperature > 25 degree	Fan on
		2. dht11 temperature < 25 degree	Fan off
2	PIR sensor	1. PIR sensor (No motion detected initially)	Fan off
		2. PIR sensor (Motion detected)	Fan on
		3. PIR sensor (No motion detected for a certain time, i.e. 10 minutes)	Fan off
3	Ultrasonic sensor	1. If an object/obstacle distance is greater than fan distance by 30 cm	Fan on
		2. If an object/obstacle near the fan with a distance less than 30 cm	Fan off
4	MQ7 sensor	1. If CO threshold level is greater than 350 PPM	Buzzer on
		2. If CO threshold level is less than 350 PPM	Buzzer off