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(57) Abstract :

UNDERCARRIAGE ANIMAL DETECTION SYSTEM Discloses herewith an Undercarriage Animal Detection System comprise Thermal Sensor, Ultrasonic Sensor, PIR Sensor, Thermal Sensor, and Circuit of the System. The Thermal sensor is an infrared sensor which is used to detect the living animals as they emit the infrared rays usually; in this system Thermal Sensor will be used to detect the animal life under the car and other vehicles. The Ultrasonic Sensor is a sensor which is used to detect the obstacle by measuring the distance between the sensor and the obstacle; and in this system this sensor will be used to detect the object under the vehicle or the car. PIR Sensor is used to detect the motion of a living thing through the infrared rays emits by the living things; and this system will use this sensor to detect and increasing the accuracy of detecting the living things. The system is designed to work with the NodeMCU esp32; and all the sensors Ultrasonic Sensor, Thermal Sensor and PIR Sensor are used with NodeMCU esp32 in a mannered way so that all the working of the system will work as we have targeted.

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