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Aim ! Understanding the connectivity of Raspberry Pi Beagle-board circuit with IR Sensor, Write en application to detect obstacle and notify user using LED'S

Theory!

Infrared Sensor IR Cemitting infrared Signal radiation and receiving of the signal when the signal bounces back from any obstacles In other words it works by continuersly receive signal by boondag on any obstacle In the way

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Component: IR sensor

1. Emitter: This component continuously emits infrared signal.

2. Receiver! waits for the Signal which is bounced back by obstacle.

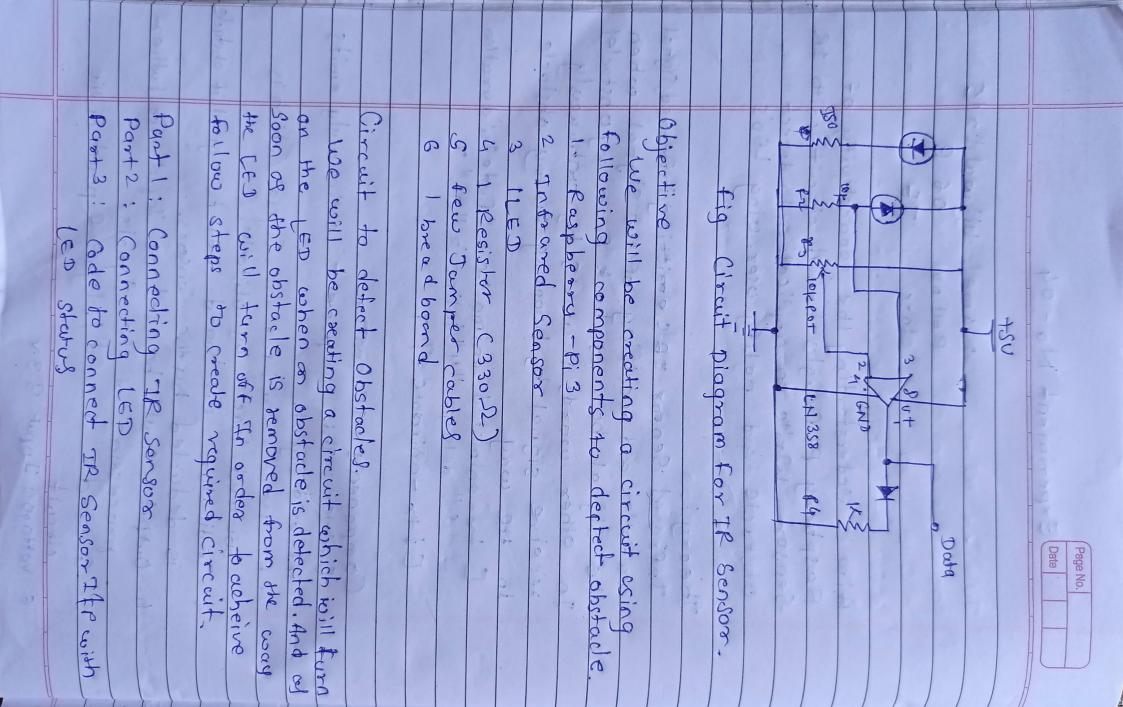
3. Indicator: On board LEP to signal if abstacle

is deducted by the Sensors.

4. Output: could be used of Input for futher processing of the stonals

S. Ground: Ground Hegative point of the

6 voltage: Input 3.3 v



from GPO zero import LED. from signal import pouse import R pi. GPb as GPb import time GPO. Set mode (GPIO BCH) LED-ETH = 27 IR_PIN= (+ indicator = RED (LED-PIN) GPID · Setup CIRPIN OGPIO-IN) Count = 1 while true got - something = GPIO. input (IR-PIN) if got-something: indicator on () print ("L:>33 Got Something! . Format (cont) indicator off() print("&: 13] Nothing defacted". Formate (count) cocon+4=1 time-sleep(0.2)

Part 4: Executing the code.

Conclusion: thus we done commediately of

Rasberry P: 1 Beagle board cocuit

with IR Sensor. Write our application to

defect abstacle and notify user wing

LED'S