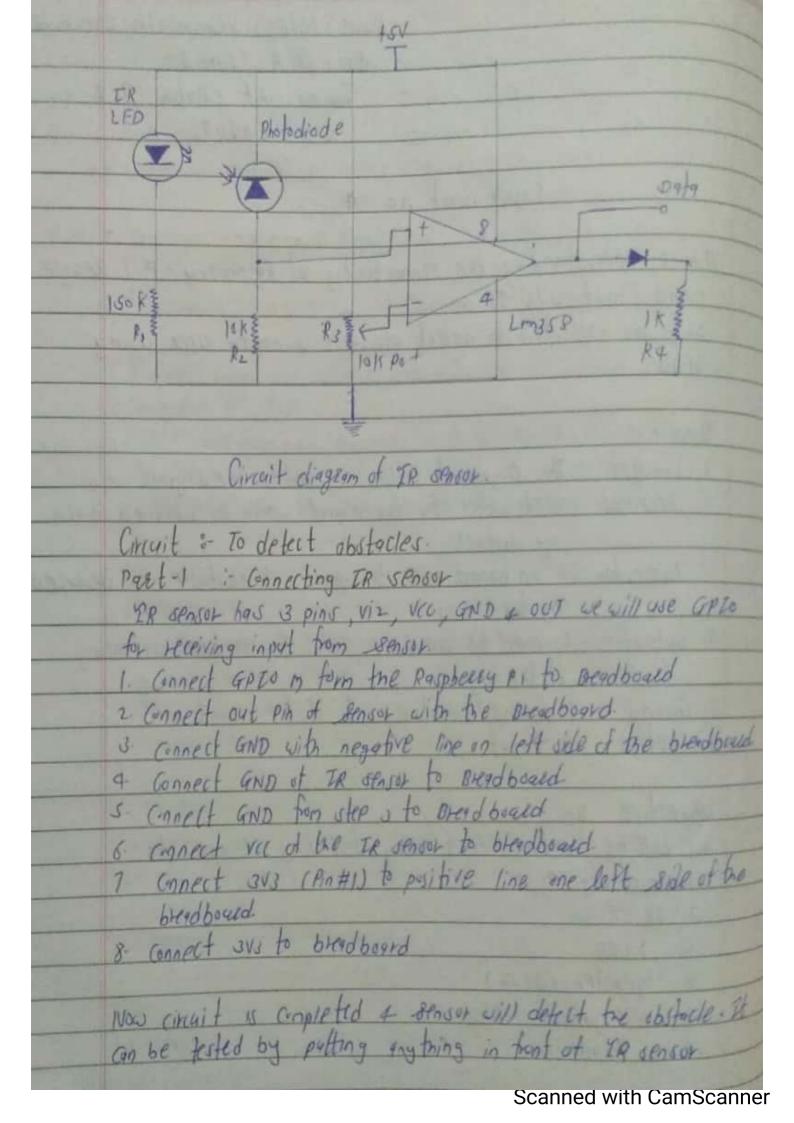
	Experiment no . 4
	Aim :- Understanding the connectivity of Raspberry - Pil Beagle
	board circuit with IR sensor.
	write an application to detect obstacle + notity uses using
	LED'S.
	Theory 5-
	1 Emittee: This component continously emits the signal
	2. Receives : It writes for the signal which is bounced back
	by obstacle.
	3. Indicator :- on board LED to signal if obstacle is deduced
	by the server.
	4 output :- could be used as Input for further processing
	of the signal
	5 Ground &- Ground Negative point of the circuit
	6 voltage 8- Input 3-3V
	objective :-
	we will be reating circuit using following components
300	1 Raspberry Pi-3
	2. IR sensor
4	3. 1 LED
	4 1 Hezistet (33-12)
	5. few jumper cables
	6 1 Breadboard



Part 2 = Connecting LED objective is to turn on LEO when obstocle is deteted I concelled arroa follow beboard to the breadboard 2 Connect the point of LED to breadboard 3 connect negative pant of LED to the breadboard Now we are ready to send signal based on 119 seroived from IR songer to turn on loft the LED. Part 3 1code to connect IR sensor IP with LFD whotens Part 4 :- Exerciting the code - open terminal - Nongote to directory where the obove ade is should Constasion: Thus, we done connectivity of Responsey pil Brayle board circuit with TIR sensor. while an application to detect abstacle + notity usee why LED's. Scanned with CamScanner



IR Sensor Fig.1