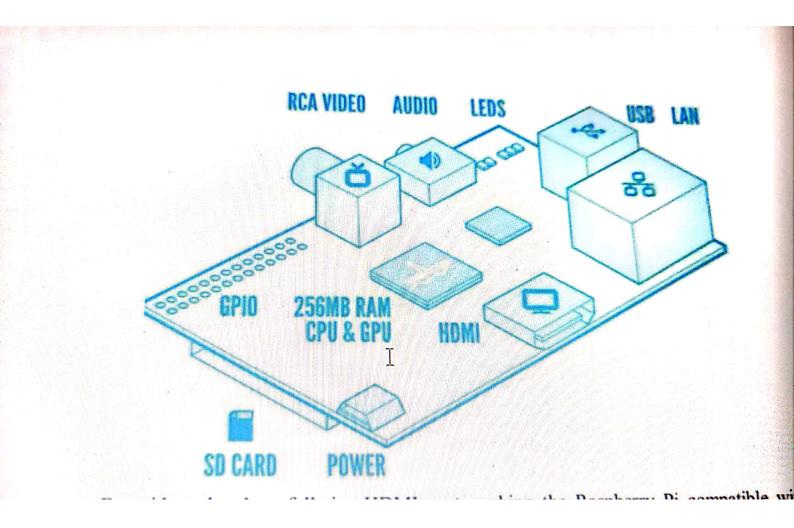
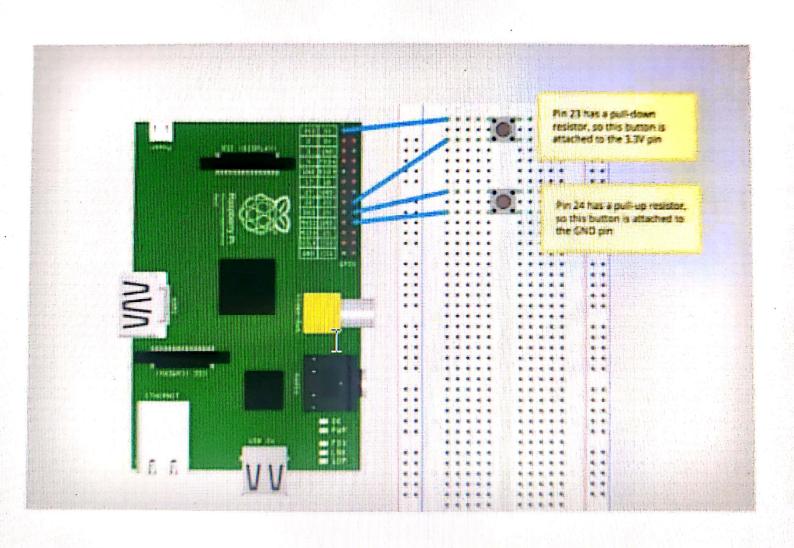
Ankita Bonda Assignment No 3 Aim: steedy commecterity of config of Rasberou Ri/Beagle board circuit with boarse peripheral LEDS understanding GPFO of its use in the Connectivity & config Raspervy Pi Guides to Camera storage config Extermal Connectively of Rasphorry Pi It is truely superb for such tiny device cop on the a verbion at Raspherry Pi There are 2 part that can be used to look up periphere ar adapters This can be together expanded wi a powered hub 9t is with nothing that both part already share the bandwith of signal channel of the system bus GIPO modo. The CIPIO Board option specifies that you are sefering to the pines by the Broadcom Kernel no these are the no after copie in the green rectangle around the outside of below diag



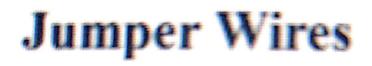
- The model Bt uses the same numbering as the model Briz. of adds new pins (27-40) The Rasborory Pio, PizB4 Pi3B use same numbering as the Bt Building the wieut on wied to apro pin 25 & 24 (16418 on board) the buitch on pin 25 is teed to 3.3V, while the switch compin 24 tied to GND To satup pin write CIPIO setup (23 GIPIO, IN. Pull-up-down = CIPIO PUD-00) GPTO setup (24. GPEO. IN. PULL- up-down = GPTO PUT-up) Register you must always use registres to connect LEDS upto GP IO pins to Rasborry PJ The Rasborry Pi can only supply a small airrent (about 60mA) The LEBS will want to draw more & if allowed to they will burn out Rasborry pi : putting the registes in with interes emuse that only this small current will tout & Ps will not damaged Jumper wires Used inbreadboard to jump from one comection The you will be using in wicut have diff connectes on each en - The end with 6 pin 'will go into Bread board

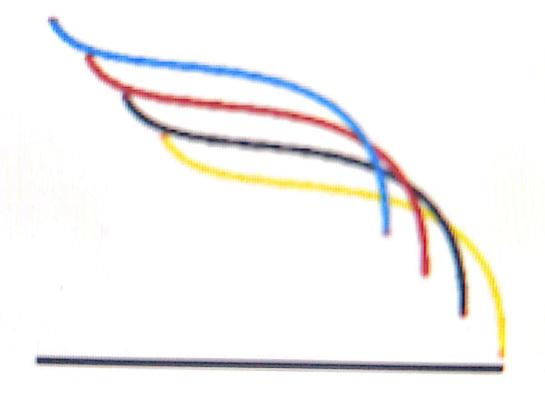
Scanned with CamScanner



## Resister







Conclusion

Thus we have studied commectivity of configuration of Raspervy Ri and also use of GPTO.