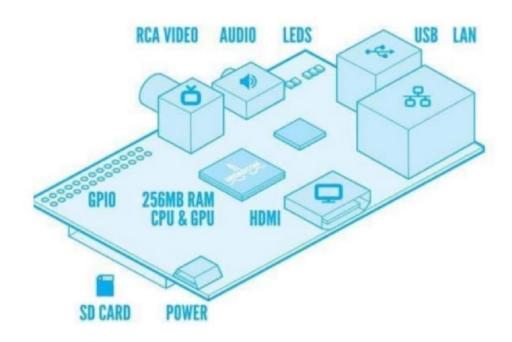
Name: - Preiform Goffram Mogal Div: - TE (B) ROHNO: - 17 Sub: - BSIOT

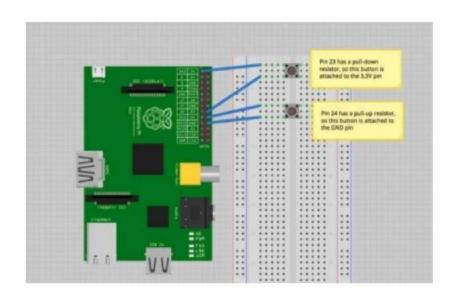
Aim: - study of connectivity, & configuration of Rasberry Pi; Beagle board circuit with basic Penpherals LGDIs con vertical standing apropriate use in the program.

Theory: \_\_ Connectivity, configuration of Rasberry-P. Guides to configures Rasberry-Pi.

1. raspi-confi 3. localisation
2. config 1xt 3. Default pin config
3. wireless access point 11. Keomel Commandline
5. Audio config 12 NART Config
6. Camera Config 13 Screen Saver.
7. Faternal storage config.

Connectivity of Rasberry - Pi:
Connectivity is druely superb for a such tiny dense expecially on the B version of Rasberry Pi There are 2 USB - 2 ports that can be used to look up peripherals or adapters this can be together expended with a powered hub. It is water nothing that both already share the bandwidth of signal Channel of the system bus.







GPO mode 8-

The GPIO BOARD option specifies that you are referring to the pins by the "Broadcom kernel number, these are the numbers after" GPIO in the green rectangle around the outsides of below dig.

- The model Bt uses the same numbering go the model
Brzo 2 adds new pins (27-40)

- The Raspberry Pi zero, Pi 28 + Pi 38 Use the same

Building a circuit 8
In the circuit shown below, two momentary switches one wited to GPIO pins 25 + 24 (16 + 18 on board). The switch on pin 25 is tied to 3.3v, while the switch on pin 24 is tied to ground

To setup pins write.

GPIO setup (23 GPIO. IN , PUII-UP - down = GPIO pup-Down)

GPTO setup (24 GPTO. IN, P411-UP-dOWN = GPTO PUP-UP)

Register :You must always use registors to connect
LED'S up to GPTO pins of test Rospherey-pi.
The Paspherey-Pi can only supply a small
current cohout 60 ma). The LED'S will want
to draw more & if allowed to they will burn
out Raspherey pi Therefore putting the texisters
in circuit will tesyme ensure that only this
small current will how & Pi will not be domasted.

