Internship log 1:

**TASK COMPLETED: To connect the Raspberry pi to the wifi to access it from any device through the network[HEADLESS CONNECTION]**

**Changed hostname: raspb1**

**Changed password: mohith123**

**Login name: pi**

**The second time formatting, the default password is left, ie , raspberry**

* Raspberry pi , the chip has three ports: Input(power), HDMI and wifi connection cable.

It has a camera in the middle and basically I’m supposed to code it from the scratch to get it to detect images and hand gestures.

* I started by watching 2 tutorials :
* <https://www.youtube.com/watch?v=LlCr09B2HZI>
* <https://www.youtube.com/watch?v=RlUhDUJfTe8>
* Now I get on to installing the OS using the info in the first video, ie, Rasbian Stretch

Official page: <https://www.raspberrypi.org>

* The OS is used to run commands on the Raspberry pi device
* Installed Win32 disk Imager

Steps involved in task:

* Writing the img file:
* Written on the sd card of the raspberry pi computer
* This is done using *Win32 imagewriter* software selecting the sd card location and writing the ‘Rasbian stretch’ OS to it(Rasbian OS is downloaded in form of .img file)
* Flashing the sd card:
* First, add a *wpa\_supplicant.conf* file to the ‘boot’ sd card:-

1. Write the **code** in txt file to connect to a specific network(make sure the ssid and psk are right)

* Add an SSH file without extension(called during booting)
* Booting:
* Insert the sd card back and connect to laptop
* Connect the Raspberry pi to the laptop only for power supply(not data)
* Wait till **stable light** for knowing it has booted
* ‘Putty SSH’ is used to run the programs(like a cmd screen)
* DEFAULT HOSTNAME: raspberrypi.local

Default login: pi

Default psw: raspberry

* Command for controls: sudo raspi-config

Changed hostname: raspb1

Changed password: mohith123