**SOP OF SETTING UP A RASPBERRY PI:**

1. Download the OS, that is NOOBS zip file from the below link, **https://www.raspberrypi.org/downloads/noobs/**
2. Format the memory card, with the formatting tool “**SD Formatter”**. (Minimum 8GB SD card)
3. Copy the entire Files from the NOOBS extracted folder into the SD card.
4. Mount the SD card into the raspberry pi, connect the keyboard, mouse, HDMI adapter, Ethernet cable, as well USB power cable.
5. Connect the micro USB to the power.
6. Once the setup is ON, select "raspbian" to install as per recommended.
7. Follow the steps as shows in the video “***Raspberry PI 2 B first time Setup (1\_2 Hr Process to full GUI and WIFI) + FREE PI 2 Model B&#39***”
8. Configuring of the Setup.
   * 1. Set the Enable boot to Desktop scratch.
     2. Enable the Camera.
     3. Click on the Advance options, and enable the following
        1. SSH
        2. SPI
        3. Click on the "update" to update the tool.
9. Now we need to install the required software's, using the commands in the “**Terminal window**”.
10. Install the Firefox iseweasel for internet activity in case of Firewall, with the command "***sudo apt-get install iseweasel***".
11. Once this is done, update the OS, with the command "***sudo apt-get update***".
12. Then Upgrade the OS, with the command “***sudo apt-get upgrade***".
13. Install java pacakage, with the command "***sudo apt-get install oracle-java7-jdk***".
14. Install Python3, with the command ***"sudo apt-get install python3***".
15. Install mysql, with the command "***sudo apt-get install mysql-server***" and” ***sudo apt-get install mysql-client***".
16. Now the setup is ready. To check the list software's installed, enter the command

"***dpkg --get-selections***".

1. Reboot the system “***sudo reboot***”