**Setup OS in Raspberry Pi**

Download the Highlighted image file from the link.

<https://www.raspberrypi.com/software/operating-systems/>

Graphical user interface, text, application, Teams

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**Prepare the SD-Card**:

Download SD Card Formatter.

<https://www.sdcard.org/downloads/formatter/>

Afte downloading install SD-card formatter.

Before flashing the image to the micro-SD card, first you need to format it to the FAT32 file system.

Extract The downloaded OS.

**Download one of the following to burn OS in RPi.**

1. Balena Etcher
   1. <https://www.balena.io/etcher/>
2. Win32DIskImager
   1. <https://sourceforge.net/projects/win32diskimager/>

After downloading one of the above software, install it.

Now Burn OS on SD card.

For Balena Etcher:

Open etcher

Graphical user interface, application

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Select image file then select SD card make sure you select SD card then click flash.

For Win32DiskImager:

Graphical user interface, text, application, email

Description automatically generated

Select image file

Select SD Card

Click Write.

After successful write, insert SD card in RPi and provide power.

Complete the initial setup of RPi.

Now copy the **pikiosk.zip** folder from your pc to RPi at **/home/pi/src/** directory.

Graphical user interface

Description automatically generated with low confidence

Right click on .zip file and click on extract here.

Graphical user interface, application, Word

Description automatically generated

After extracting complete.

Open terminal

Graphical user interface, application, PowerPoint

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And run following command one by one. Make sure your Pi has internet connection.

*$ sudo apt-get update*

*$ sudo apt install -y libdbus-glib-1-dev dbus libdbus-1-dev*

*$ sudo apt-get install -y fbi*

*$ sudo pip install omxplayer-wrapper pathlib evdev*

*$ sudo cp ./pikiosk.service /etc/systemd/system/*

Now check if scripts are working or not.

Open terminal again and run this command.

*$ python /home/pi/src/pikisok/pikiosk.py*

If everything is working fine run restart RPi by disconnecting power supply and these commands to start script at every boot.

Open terminal again.

*$ cd /home/pi/src/pikisok*

*$ sudo systemctl daemon-reload*

*$ sudo systemctl start pikiosk.service*

*$ sudo systemctl enable pikiosk.service*