Name: - Peifam Goffnam Mogal DIV:-TE &B [comp] Rod No1-17 Sub - ESIOT Experiment No: - 2 Rasberry-P. Virderstanding the process as installation on Rasberry - Pi The Rasberry Pi is a wonderfull but power full little computer that tits the blace of your hand Despite of its size it has enough power to sun operating system, home media centre, a VPN to lot more. The Rasberry Pi has a 60 and slot for mass storage & will attempt to boot of & that device from so eard when the board is powered on by o sv micro USB supply. Currently, Rasbian is the most popular linux based operating system for the Rasberry-Pi Rasbian is an open source operating system on Debian, which has been mottified Specially for Rasberry -fi especially if your all starting with programming & are used to window based sistem Pasit bears same resembalance to the

windows.

heary : -

10 Rasbian: -

Introduction:

1 Pidora :-

After waiting for a long, Raspberry Pi uses are finally getting an optimised version of pidora to replace the current Raspbian as the new occured excitement among the Raspberry Pi. Community, who are finally getting apportunity to anjoy pedora on heir devices after the preview attempt to introduce pedora Reax for Pi ended up as a failure coupled with greter speed 4 most of features of pidora 18.

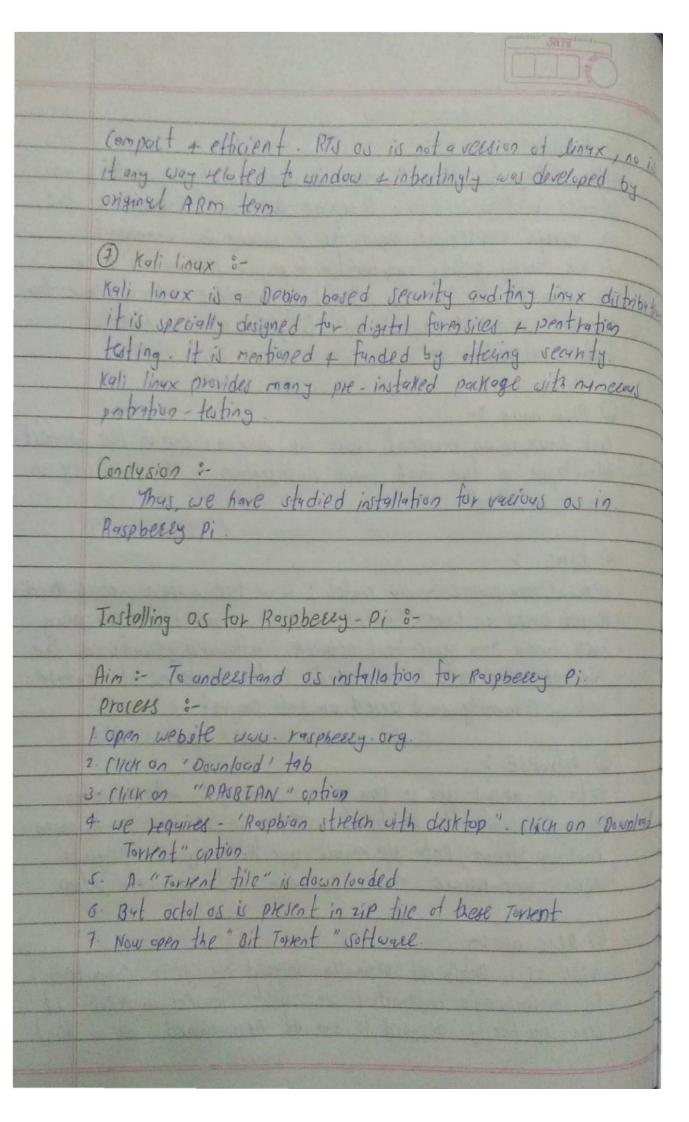
3) Arch linux iArch linux is an excellent choice for seasons one of the greefest advantages of the Arch linux distribution is its simplicity in approach a attitude.

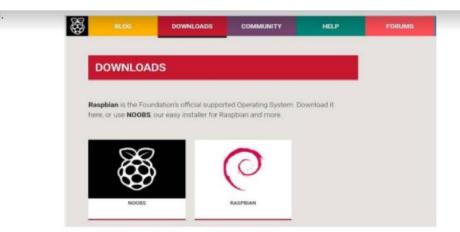
OSMC & open source media center J is a free topen source media player based on linux. Founded in 2014, orma Let's you play back media from your local network, attached storage a tree internet orma is a leading media center in terms of teatures set a community of is based on Kodi project

5 RetroPIE :-

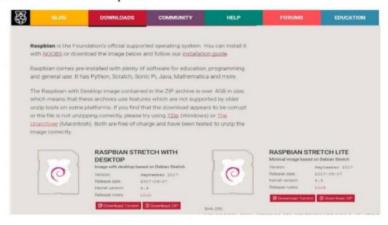
Retro pie allows you to turn your Raspherry Pi into a setrograing machine it's platform developed on the base on Rasphian emultion station, Retro pie enable you to play your favourite ardo, hone-console. Classic PC games with minimum setup

RISC OS:RISC OS is British Ols originally designed by Acorn computer lid in cambridge england 4 was first released in 1987. It was specifically designed to sun at ARM Chiped it is tiest



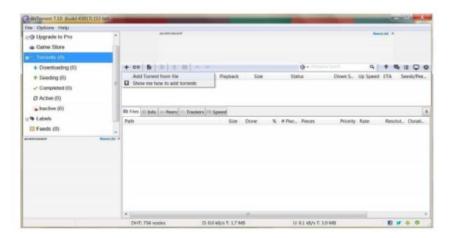


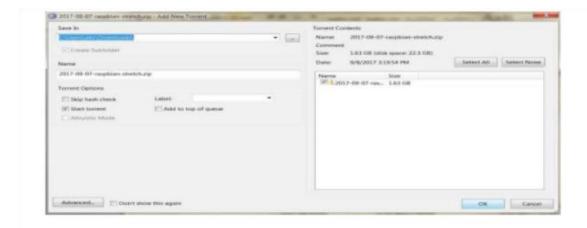
4. Click on the "RASPBIAN" option.





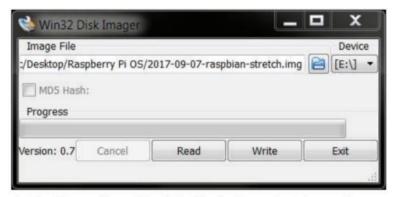
12. Here select the path of downloaded "Torrent file".







- 18. Open the unzipped file in the "Image file" option by selecting the path from the Blue icon. The selected path is shown in the below image.
- 19. Now plug-in the SD card reader having SD card inside it, in the USB port of your PC.
- 20. Ensure that your SD card reader is having the same drive which is shown in the Device option (near the blue icon)



- 21. After ensuring that the "Image file path" and the "Device" are selected correctly, now click Write' button to write the image on the SD card.
- 22. After this the following window appears.



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- 23. Here click 'Yes' and Confirm the overwrite
- 24. Image file will be written on SD card.
- 25. After the procedure is completed, it gives "Write Successful" message.
- 26. Congratulations! Your SD card is ready with your OS to work in the Raspberry-Pi-3 board.
- 27. Insert this SD card in Raspberry pi3.

