



INSTALLATION OF DEBIAN LINUX

INSTALLATION OF DEBIAN LINUX (IT@SCHOOLS)

Model Name: WIVNB7B16XX Ver. 1

Manufacturer: WIPRO

Required: DEBIAN LINUX 4 - IT@SCHOOLS 3.2 Media

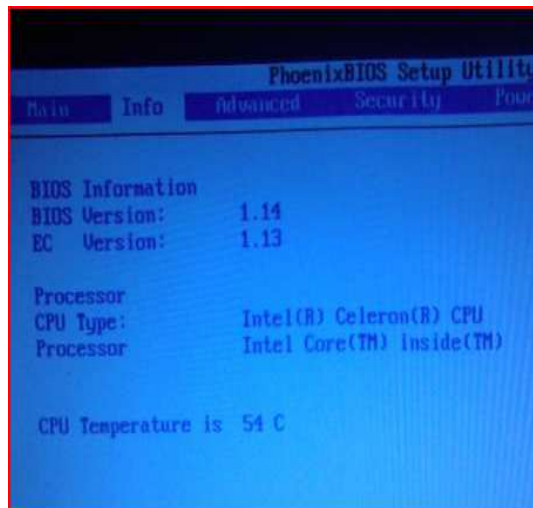
KERNEL VERSION: 2.6.24-etchnhalf.1-686

Wireless LAN Driver: wipro-liteon-2.6.24-etchnhalf.1-686.deb

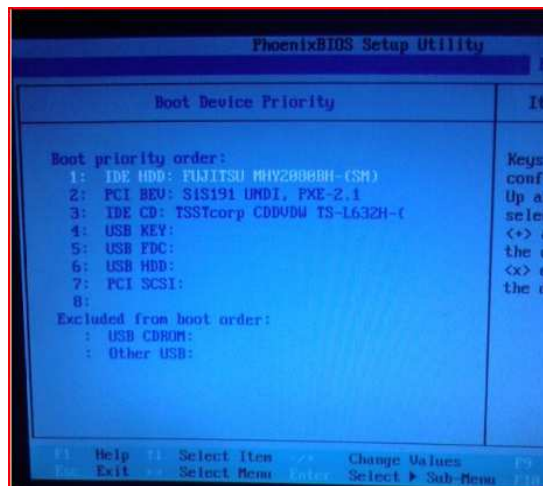
VGA Driver : sis_vga_drv_debian_2.6.24.deb

Installation of the OS

1. Press Del while booting
2. Make sure the Bios version 1.14



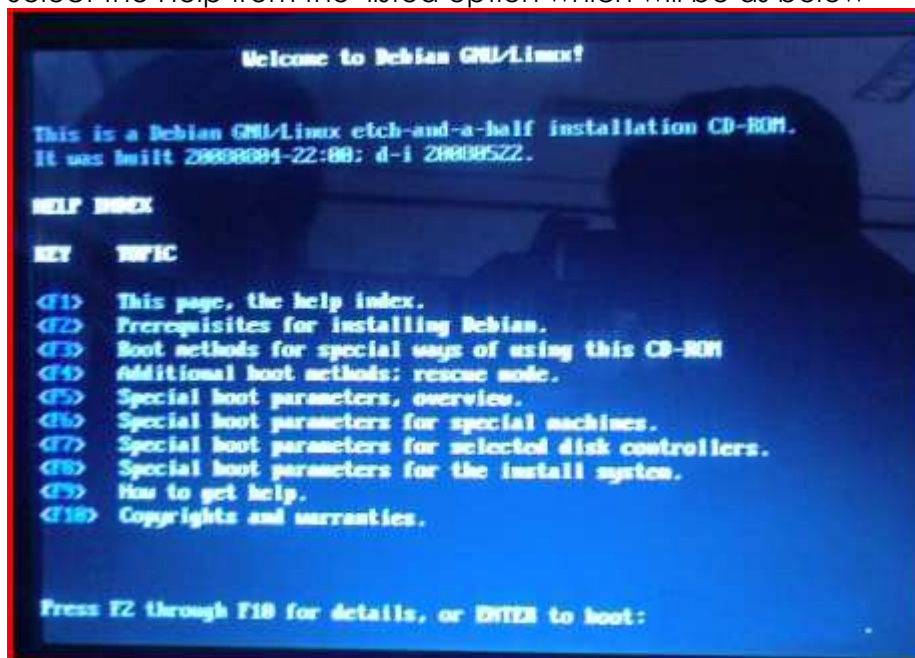
3. Insert the First of IT @school CD in the ODD and reboot the machine. Make sure to make the ODD as the first bootable device.



4. Press a key while booting which lead to the below window



5. Select the Help from the listed option which will be as below

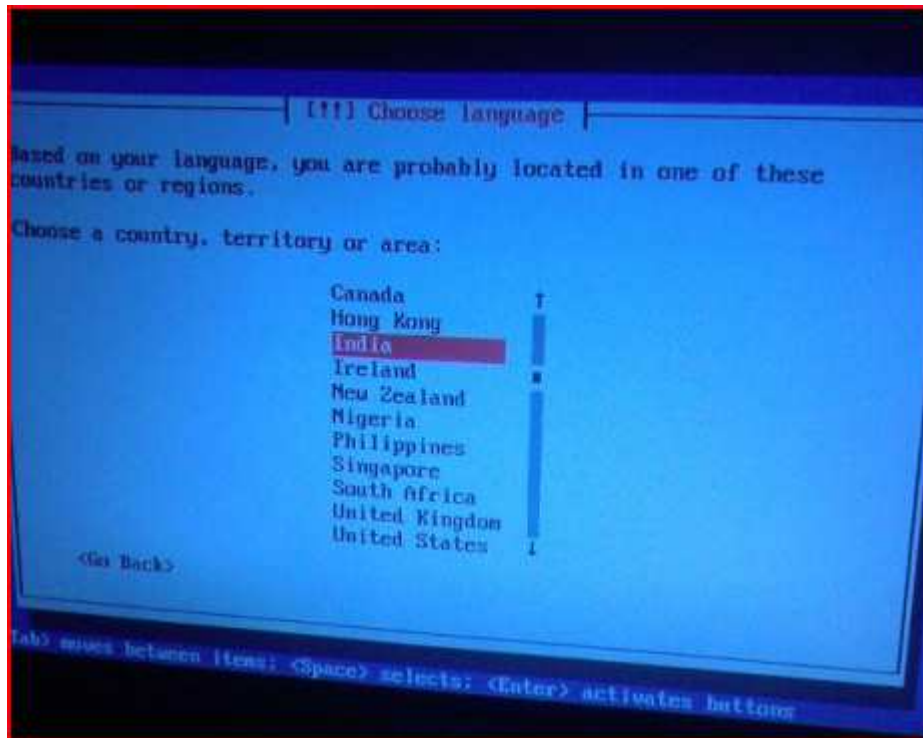


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- Press F8 key which will list out the options from that we need to use
fb=false

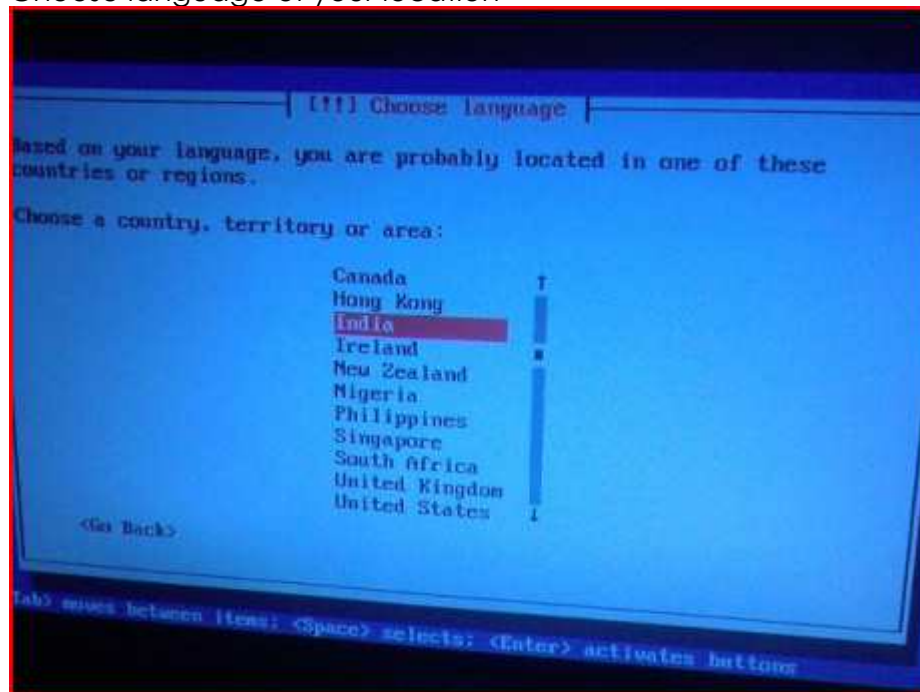


- Then type "install fb=false" and press Enter .Now select the language for installation

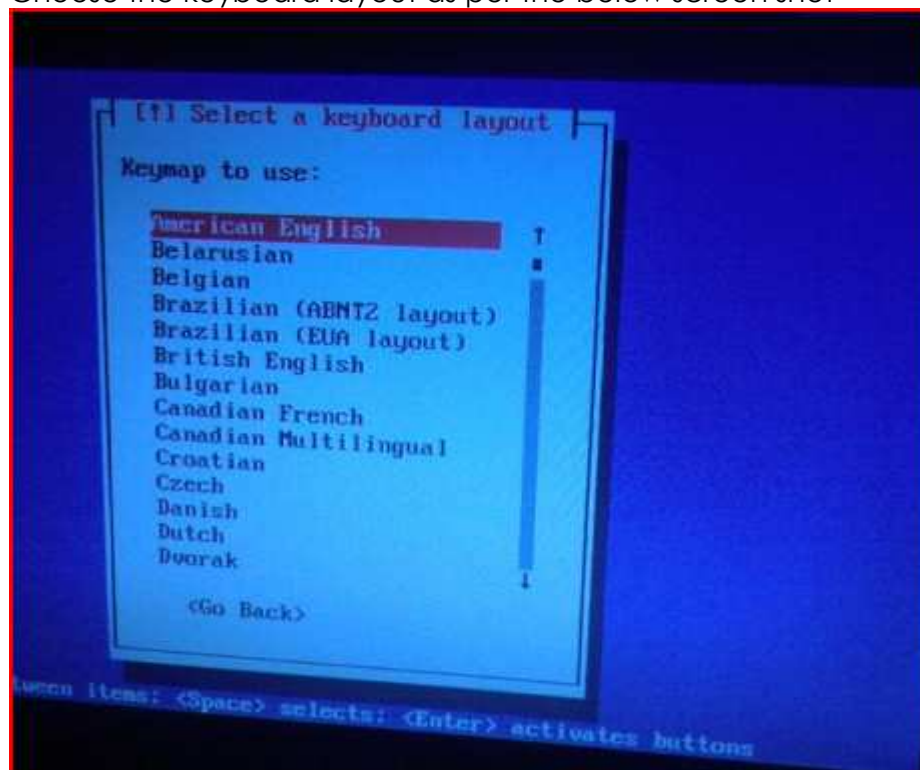


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8. Choose language of your location

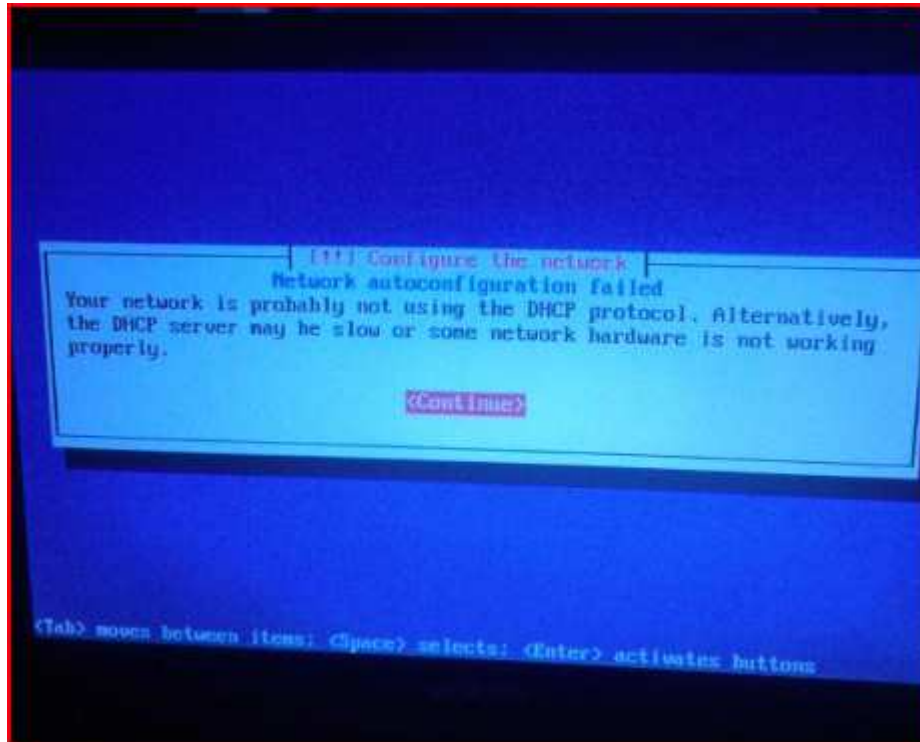


9. Choose the keyboard layout as per the below screen shot

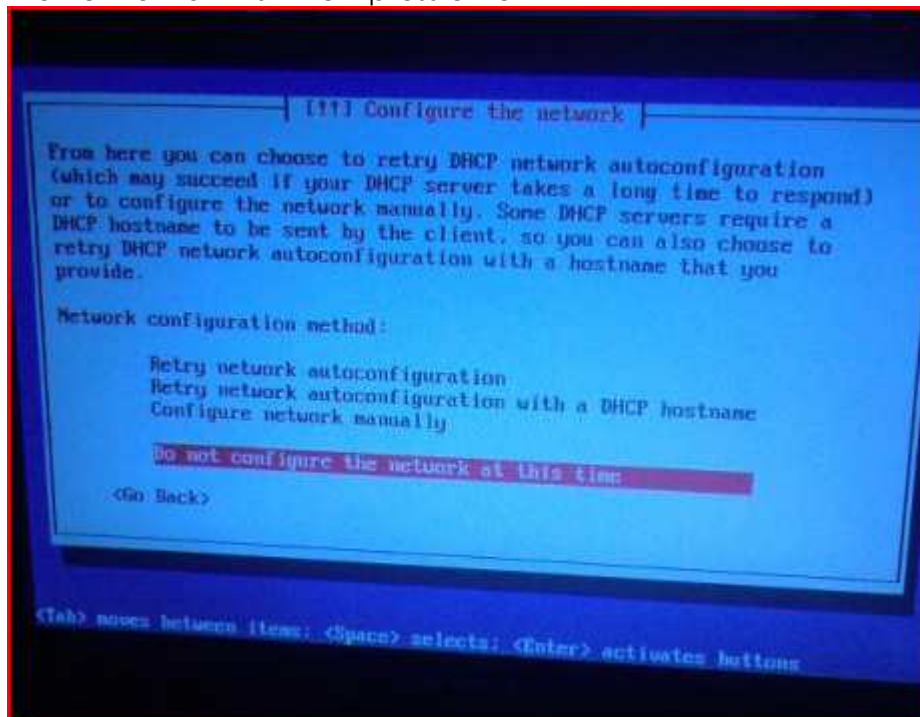


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10. Next step is to configure the network this can be configured even after the OS installation. Continue and enter

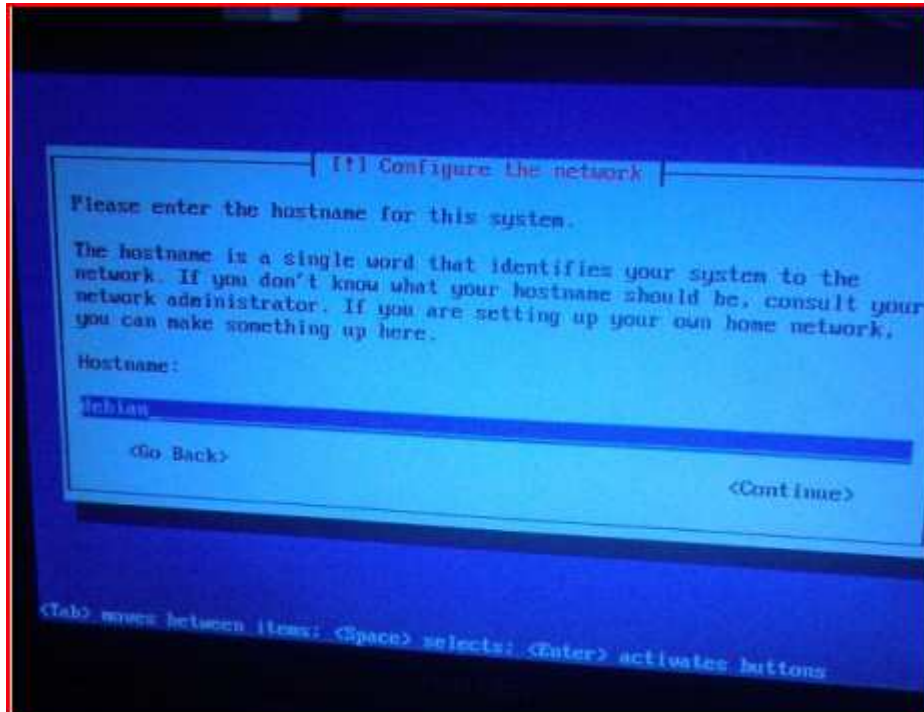


11. If you don't want to configure the network, select the "do not configure the network at this time" press enter

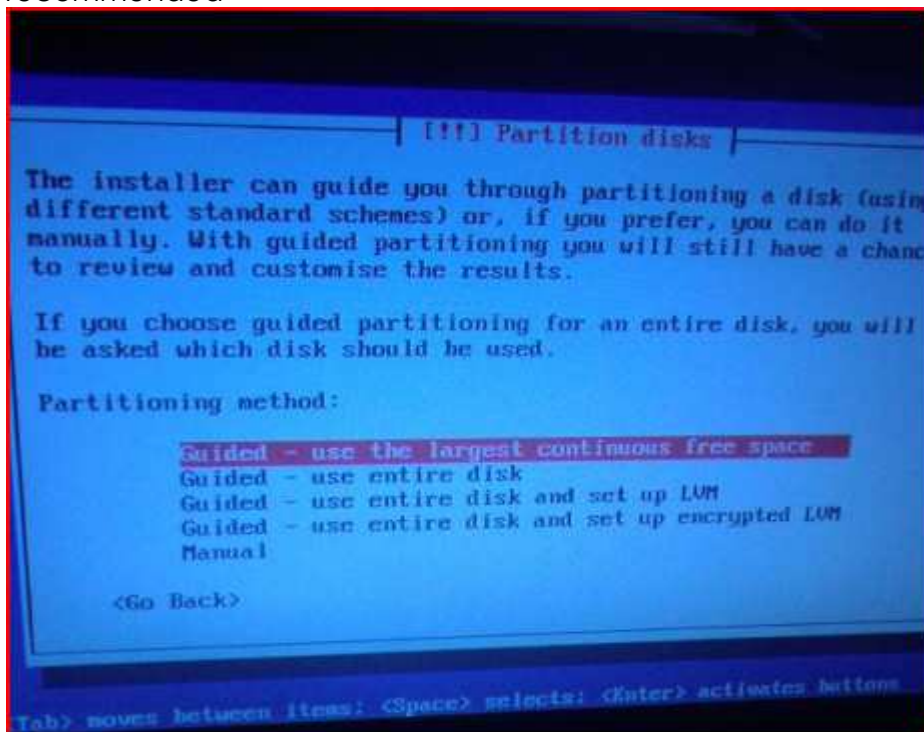


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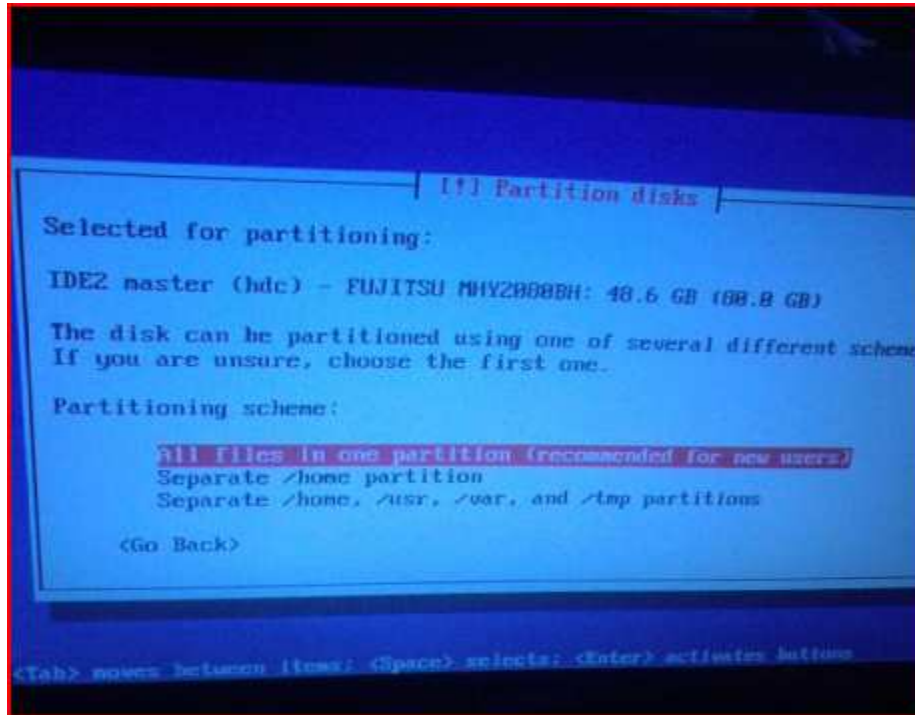
12. It will prompt for the host name; select continue using tab key and press enter.



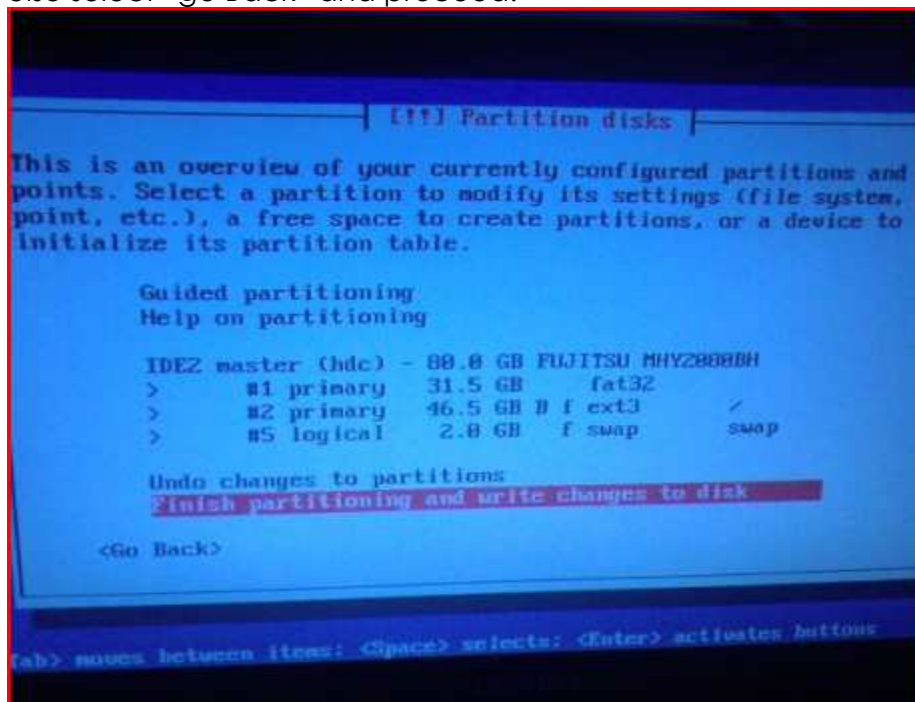
13. Select any one of the option "Guided- use entire disk" which is recommended



14. Partition scheme "all files in one partition(recommended for new user)" is recommended

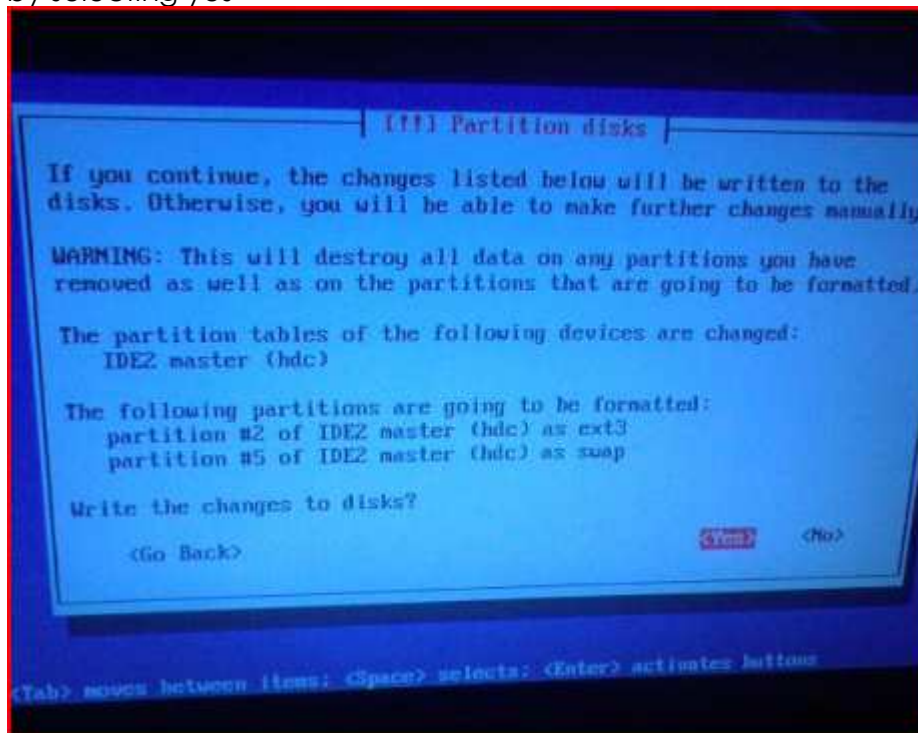


15. Confirm the listed option" Finish Partitioning and write changes to disk" else select "go Back" and proceed.

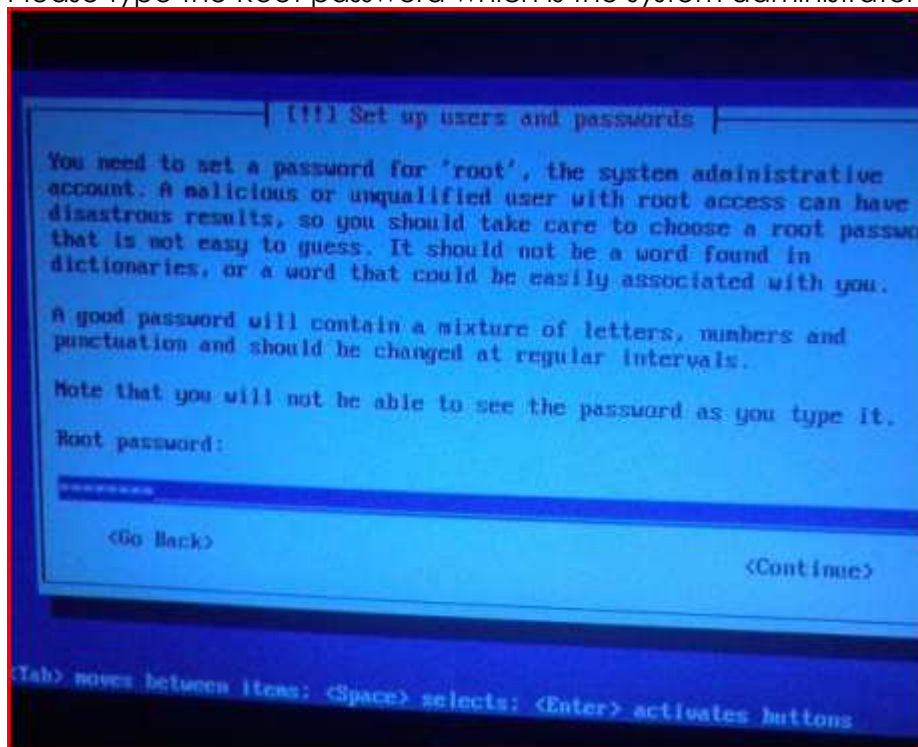


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16. Once the partition format ,scheme and size is confirmed proceed further by selecting yes

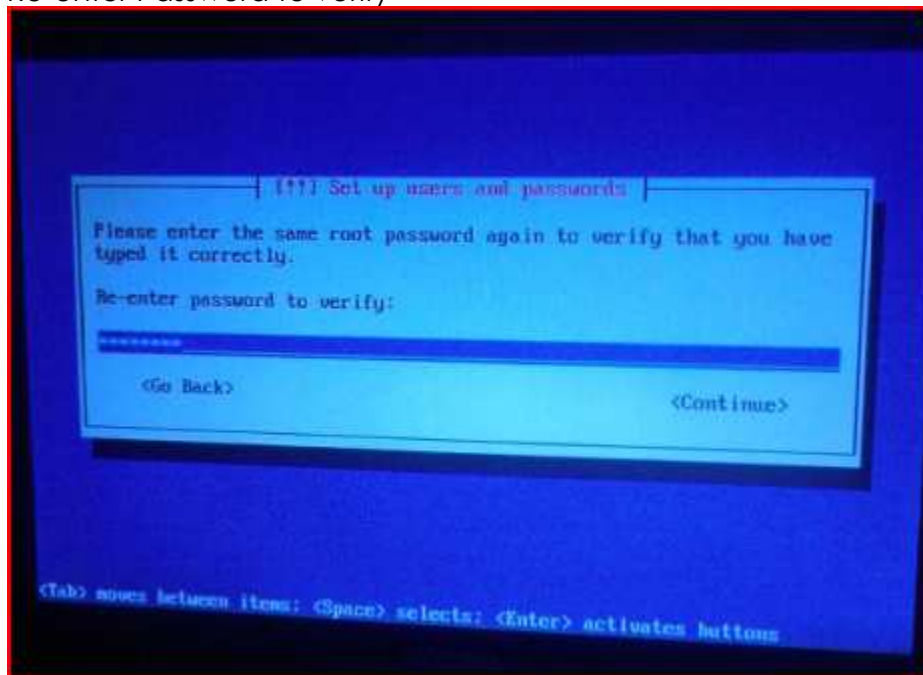


17. Please type the Root password which is the system administrator password

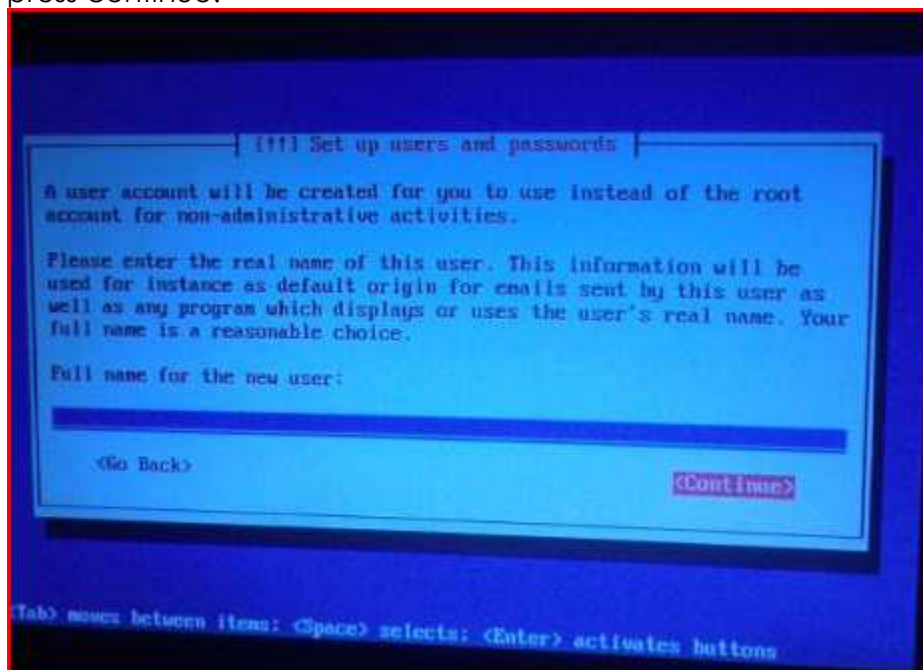


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18. Re-enter Password to verify

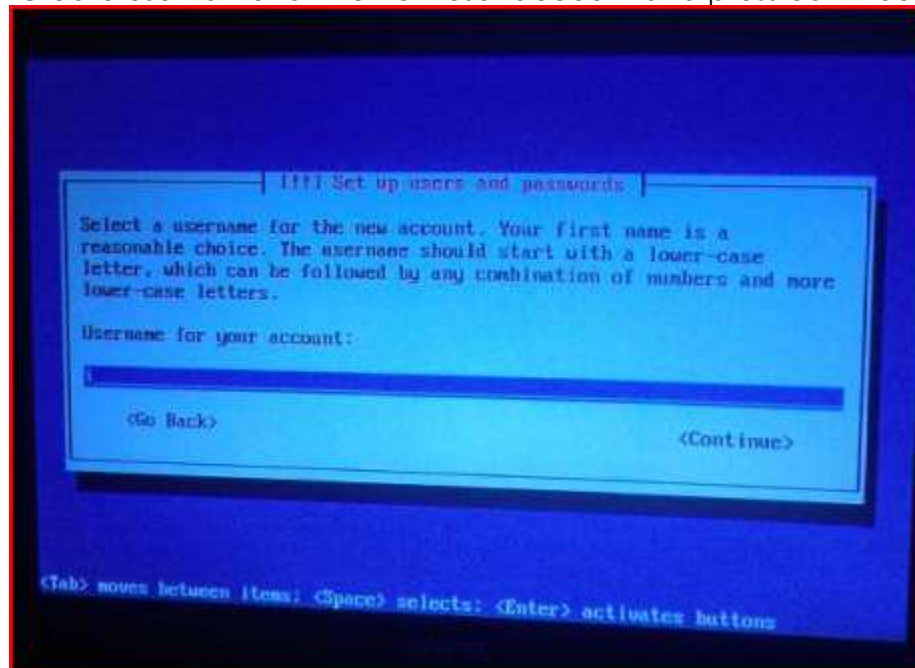


19. If you want to create a user account , type in the user account name and press continue.

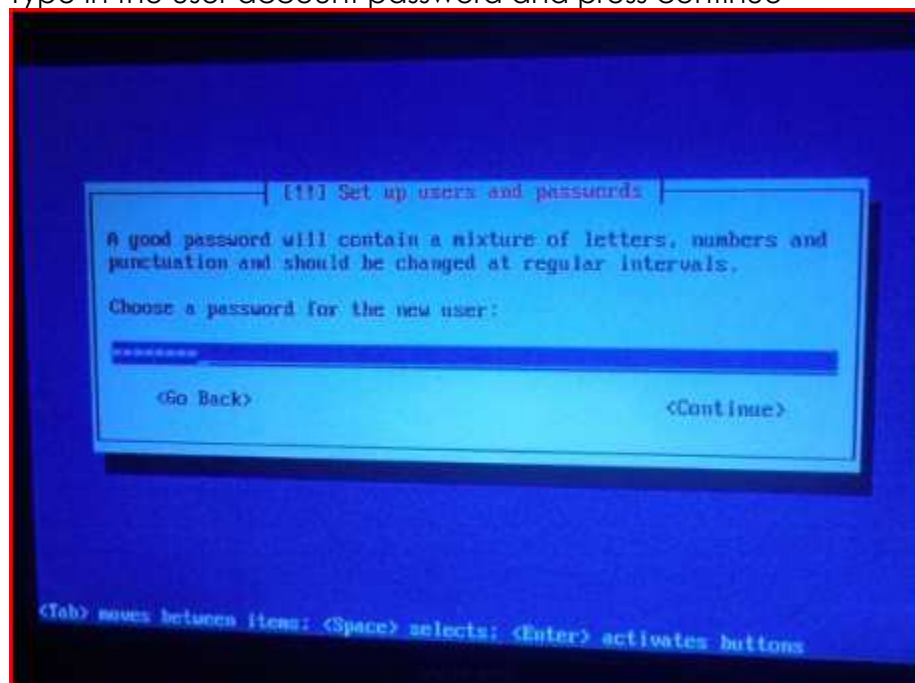


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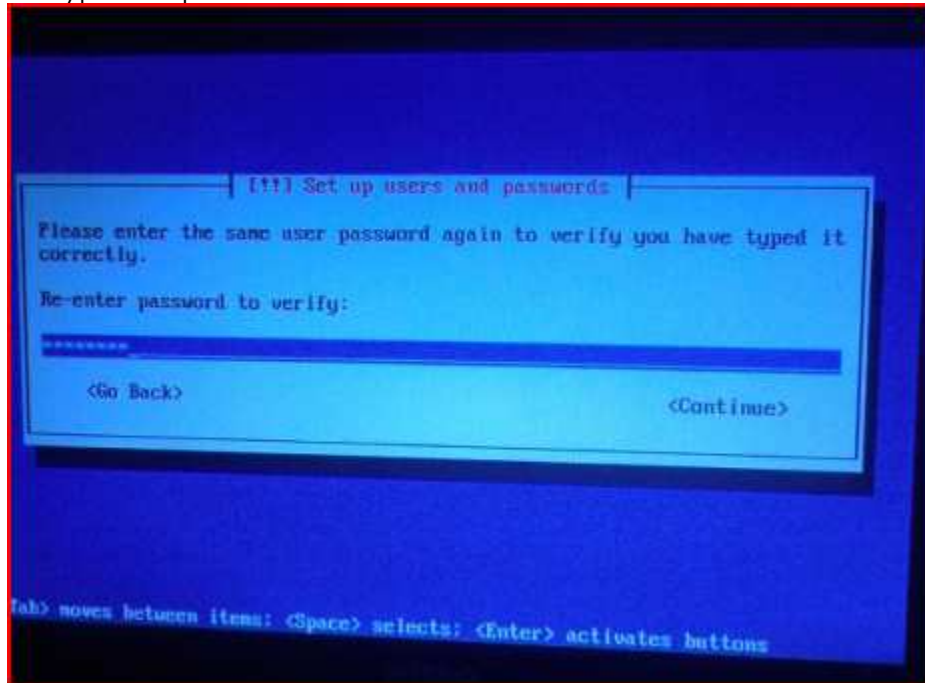
20. Create username for the new user account and press continue



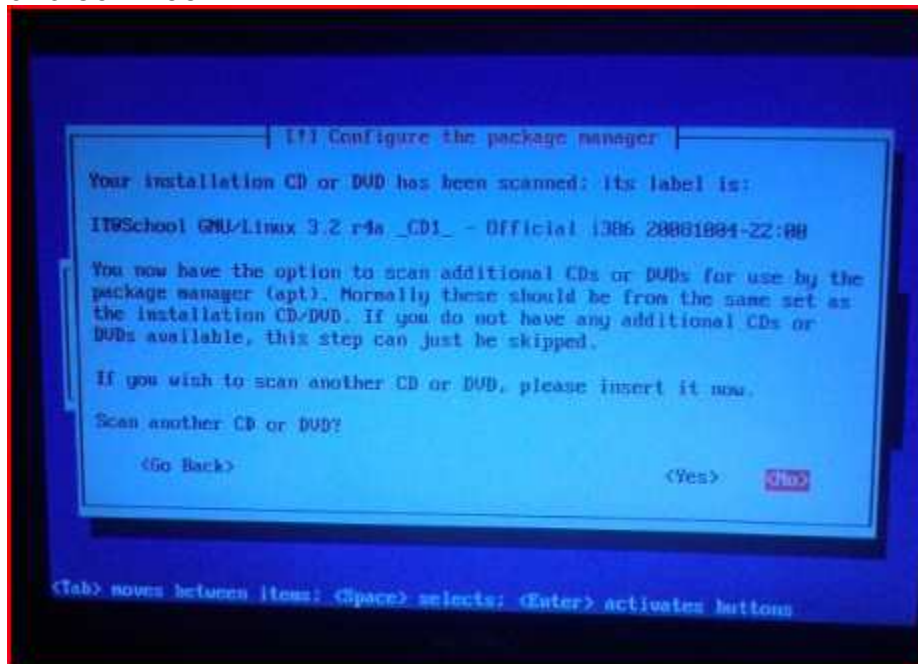
21. Type in the user account password and press continue



22. Re-type the password for the confirmation

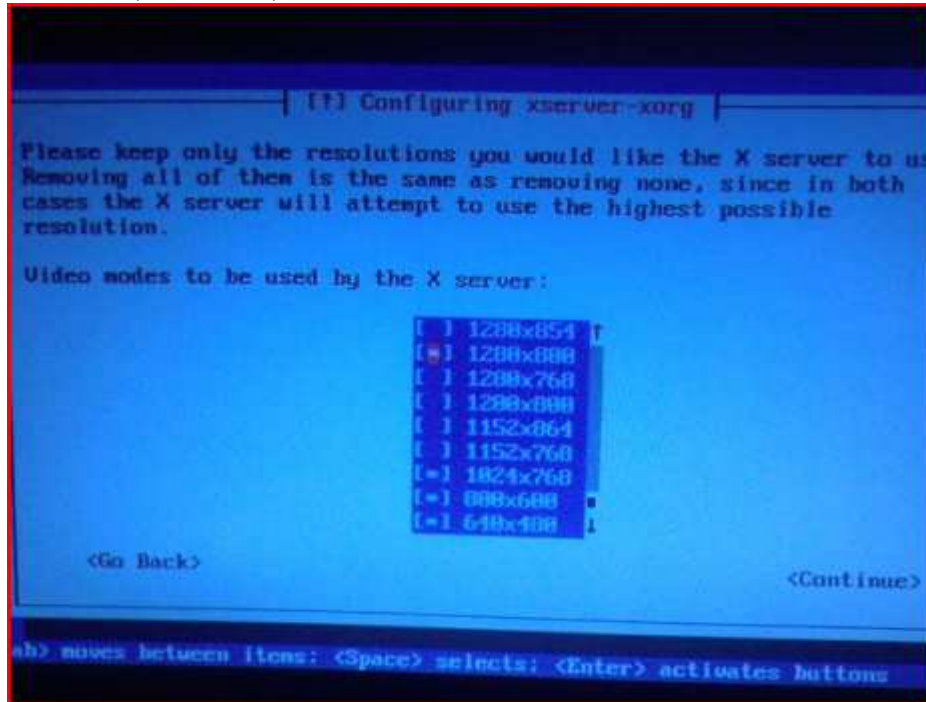


23. If you want to scan the OS media select yes and continue else select No and continue

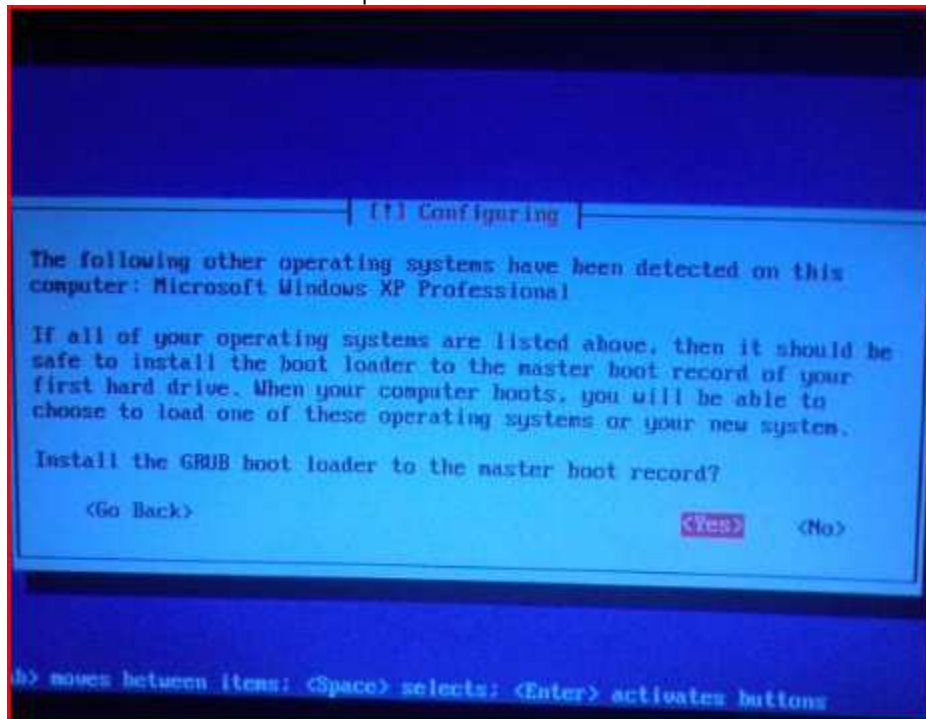


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24. Os installation will start and in the middle it will prompt to select for the supported resolution which is demonstrated below. Select 1280x800, 1024x768, 800x600 and 640x480



25. It will now prompt for selecting the Grub Boot Loader to the Master Boot record select " YES" and proceed further





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Installation of the OS will be completed which will take few minutes. Now restart the machine for further installation of the applications and drivers.

Installation of Drivers

I. Opening Root Terminal

1. Application-> Open Tools -> Root Terminal
2. Enter the Root User password

II. Graphics Drivers installation

Graphics for 1280x800

1. Copy the attached sis_vga_drv_debian_2.6.24.deb to desktop
2. # cd Desktop
3. #dpkg -i sis_vga_drv_debian_2.6.24.deb
4. Reboot the machine
5. Desktop->Preferences-> Screen Resolution and change the required Resolution

III. LAN:-

1. LAN works out of box
2. For configuration of LAN, Open Desktop ->Administration-> Networking -> Ethernet Connection (eth0)

IV. WLAN:-

1. Copy the attached wipro-liteon-2.6.24-etchnhalf.1-686.deb to desktop
2. # cd Desktop
3. #dpkg -i wipro-liteon-2.6.24-etchnhalf.1-686.deb
4. Reboot the machine

Important Note for Wireless Lan:-

1. Enable WLAN through function key
2. Run iwconfig and make sure that WLAN is sensed properly
3. for the configuration, open Desktop ->Administration-> Networking -> Wireless Connection (wlan0)
4. Check Enable this connection
5. Enter the Network name of ESSID
6. Select the encryption type, if no encryption is used, just leave with any encryption
7. If you have configured encryption in the access point, issue the proper password, if not leave just like that
8. Close
9. Now WLAN will work. Verify this with iwconfig, ping and ifconfig



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Card Reader:-

1. Works out of box
2. just insert the memory card

Installation of Second CD

1. In synaptic package manager (Desktop -> Administration)
2. Edit -> Add CDROM to add this cd to the repository
3. Then Edit -> Select Packages by Task and choose the IT@School GNU/Linux CD2
4. Then on the toolbar, press apply button to start installation.

OR

open a root terminal.
enter the command
tasksel

select IT@School GNU/Linux CD2 with "space key"

See the documentation on First CD

Disclaimer: This procedure has been formulated with respect to the Wipro Laptop Model 7B16XX model and IT@school Linux version 3.2 Kernel Version: 2.6.24-etchnhalf.1-686 and may vary depending upon the user way of installation and driver availability. Driver versions are subject to change without prior notice.