Software Tools

1. Advanced Port Scanner - pscan13.exe
2. Putty
3. SDFormatter
4. Win32Diskimager
5. WinSCP
6. tightVNC
7. SublimeText2
8. Image file 2017-11-29-rasobuan-stretch.zip
9. WAMP server

Procedures

1. Format SC card with SDFormatter
2. write OS to SD card with win32diskimager
3. configure pi with monitor, keyboard, mouse, usb tethering with mobile phone
4. enable ssh , menu-preferences-raspberry pi configuration-interfaces-ssh enable
5. open terminal
6. sudo apt-get update
7. sudo apt-get upgrade
8. tightvncserver -> sudo apt-get install tightvncserver
9. https://projects.raspberrypi.org/en/projects/lamp-web-server-with-wordpress/5
10. apache wer server -> sudo apt-get install apache2 -y
11. http://127.0.01 localhost
12. cd /var/www/html
13. cp index.html index1.html
14. rm index.html
15. https://www.tutorialspoint.com/html/
16. sudo apt-get install php libapache2-mod-php -y
17. sudo apt-get install mysql-server php-mysql -y
18. Scan with Advanced port scanner - find open port 22 - mark ip
19. use putty to connect with ssh to that ip

* find own ip add
* scan network for online ips
* check port 22 if open
* connect ssh with putty

LAMP installation

**Set Global ServerName to Suppress Syntax Warnings**

**edit file** /etc/apache2/apache2.conf

append new line at the end > ServerName server\_domain\_or\_IP

to check sudo apache2ctl configtest

Login timeout အရမ္းျမန္ေနရင္ /etc/login.defs ဖိုင္ကို ျပင္ရမယ္

LOGIN\_TIMEOUT 60 seconds ကို ျပင္ရမယ္

SSH session timeout ကို ၾကာေအာင္ျပင္ဖို႔

/etc/ssh/sshd\_config ကို ေနာက္ဆံုးမွာ သံုးေၾကာင္းဝင္ထည္႔ေပးရမယ္

#other configs for long lasting ssh session

ClientAliveInterval 6000

TCPKeepAlive yes

ClientAliveCountMax 10

mySQL

config

nano /etc/mysql/my.cnf (open)

add line that will permit your ip to remotely control mysql

bind-address = 192.168.0.103

netstat -tap | grep mysql

Install phpMyAdmin

sudo apt-get install phpmyadmin

http://localhost/phpmyadmin

sudo mysql

>>show databases;

>>use mysql;

>>show tables;

>>select \* from user;

>>select user,password from user;

>>update user

>>set password='raspberry'

>>where user='phpmyadmin';

to use both LAN and Internet at the same time

route add server\_ip mask 255.255.255.255 gateway\_ip -p

google 74.125.68.101

facebook 157.240.13.35

youtube 74.125.24.190