Connecting to the University Wireless Network

Wifi is available to staff and registered students of University in certain areas of the three campuses of the University. This area of coverage will be expanded in future as resources become available. In order to enable you wireless device to access the wifi network, it needs to be configured for access, and there are three (3) steps to be followed.

1. Configure your device to connect to the uniswawifi-students SSID.
2. Register your device to use the University Wireless network.
3. Configure your device’s web browser to use the University’s proxy server for Internet access.

These steps must be followed in the order indicated. Once done, you will be able to have access to the network, and the Internet. Students should note that there is a monthly limit of 3 GB (3072 MB) for Internet access, and once this limit has been exceeded, the user will no longer have Internet access from their device, until the start of the following month.

Areas currently with wifi coverage:

Kwaluseni campus:

- Library Building
- ICT Centre (Computer Centre) Building - May be available in some areas close-by
- IDE Building - May be available in some areas close-by
- Engineering Building - May be available in some areas close-by
- Faculty of Science - May be available in some areas close-by including Lecture theatres

Luyengo campus:

- Library Building

Mbabane campus:

- Main Admin Building - May be available in some areas close-by including Refectory, Some hostels

Instruction for configuring a device using Windows XP and Windows 7 are provided, and for any other device, students must contact the IT technical staff for assistance in setting up the devices, which include IPads, tablets, Windows 8 e.t.c.
Connect to the University wireless network using Windows XP

1. Click on the Start and then select Control Panel
2. Click on **Network and Internet Connections** icon

If your **Control Panel** is in **Classic View** (as shown by image below) click on **Switch to Category View** to change the Control Panel to be as shown above.
3. Click on **Network Connections**

4. Right-click on the **Wireless Network Connection** icon and select **Properties** in the pop-up menu that comes up.
5. Select the **Wireless Networks** and make sure the checkbox next to **Use Windows to configure my wireless network settings** is checked, then click **Add** button.

![Wireless Network Configuration](image)

6. In the window that appears below the **Association** tab, ensure that the boxes have the following settings:

   - **Network name (SSID):** `uniswawifi-students`
   - **Network Authentication:** *WPA* or *WPA2* (if it exists in drop down box)
   - **Data encryption:** *AES*
   - All other boxes on the tab should be left empty.
7. After entering the values, select the Authentication tab.

Change the EAP type to Protected EAP (PEAP) using the drop down menu, then click on Properties.
8. Remove the tick next to **Validate server certificate** and ensure that **Secured password (EAP-MSCHAP v2)** is selected from the drop down menu under **Select Authentication Method**. Click on **Configure**.

9. Remove the tick next to **Automatically use my Windows logon name and password (and domain if any)** and the Select **OK** three times which should take you back to the **Wireless network properties** window.
10. Select the Connection tab, and ensure that there is a tick in the box next to **Connect when this network is in range**. Select OK to go back to the **Network Connections** window. Close the window.

11. If you are in an area where the **uniswawifi-students** network is visible, a pop-up notification from the wireless icon on the task bar should appear as shown below. Click on the notification to display the login screen.
12. In the Enter Credentials window that appears, enter your network user name and password (username and password you use to login to the lab PCs). Leave the Logon domain field blank. Click OK to login.

If you successfully login, i.e. the login screen does not appear again, you will from now on be automatically connected as long as you are in an area with wifi coverage and also the network password has not changed.

**Register device to use the University Wireless network**

Once you are connected to the network, the device needs to be registered (done only once per academic year).
Start up a browser i.e. Internet Explorer and type the url given below, depending on the campus you are using the device in for the first time.

- **Kwaluseni campus:** [http://kwnetreg.uniswa.sz](http://kwnetreg.uniswa.sz)
- **Luyengo campus:** [http://lynetreg.uniswa.sz](http://lynetreg.uniswa.sz)
- **Mbabane campus:** [http://mbnetreg.uniswa.sz](http://mbnetreg.uniswa.sz)
If a message indicating a problem with website's security certificate appears, select Continue to this website option.

Read through the displayed page and the bottom of the registration page looks like:
Enter the network username and password (i.e. username and password you use to login to the lab PCs) and click Accept after having read the text on the page. After successful registration, you should see the message below. Switch your device off for at least five minutes and then switch it back on.

Configure your browser (Internet Explorer) to use the proxy server

The final step that will enable the device to have Internet access is to configure the browser to use the University’s proxy server.

Start Internet Explorer and select Tools then Internet Options.
Click Lan settings.

Check the box (ensure there is a tick) next to Use automatic configuration script and in the box next to address type [http://www.uniswa.sz/uniswa/uniswaproxy.pac](http://www.uniswa.sz/uniswa/uniswaproxy.pac). Click on Ok and Ok again to get back to the main window of the browser.
At this point, your wireless device which is using Windows XP should be configured for network and Internet access.

Remember the 3 GB monthly quota !!!!
Connect to the University wireless network using Windows 7

1. Click on the Start menu (Bottom left) then select Control Panel
2. Double-click the **Network and Sharing Centre** icon

3. Click on **Manage Wireless Networks**
4. Click on the **Add**.

5. Click on **Manually create a network profile**

6. In the new window that appears, enter the following settings

   - Network name: uniswawifi-students
   - Security Type: WPA2-Enterprise
   - Encryption Type: AES

Make sure that **Start this connection automatically** is checked and click on **Next**

7. Click on **Change connection settings**
8. Select the **Security** tab. Under **Choose a network authentication method:** make sure that it is **Microsoft Protected EAP (PEAP)** using the drop down menu. Also check the box next to **Remember my credentials for this connection each time I’m logged on** and then click on **Settings**.
9. In the pop-up window that opens up, remove the tick next to **Validate server certificate** if it is checked and then click on the **Configure** button.

10. Uncheck (remove the tick) the checkbox next to **Automatically use my Windows logon name and password (and domain if any)**. Click **OK** and again **OK**.
11. Click on the **Advanced** button and on the **802.1X settings** tab click on the box next to **Specify authentication mode** to place a tick on it and select **User authentication** in the drop down box below specify authentication method. Select OK.

12. Close the Manage Wireless Networks window. A pop-up notification from the wireless icon should appear when you are in an area where the wireless network exists. In the **Network Authentication** window that appears, enter your network username and password (i.e. username and password you use to login to the lab PCs). Click **OK** to login.
Register device to use the University Wireless network

Follow the same instructions given on pages 9 to 11 of this document.

Configure your browser (Internet Explorer) to use the proxy server

Follow the same instructions given on pages 11 to 13 of this document.