ICT DEPARTMENT

Wireless Authentication Procedures for Windows 7 & 8 Users

For **Linux** and **windows XP** users visit ICT office

Requirements:

1. Wireless enable laptop with **Valid Anti-Virus**
2. Configure your wireless network card using the below procedures
3. Domain Account (Username & Password).
   NB// Your Username is composed of your **firstname.lastname** e.g john.kimani
   Obtain these credentials from the ICT office,
   For Inquiries visit ICT office or E-mail ict@pu.ac.ke
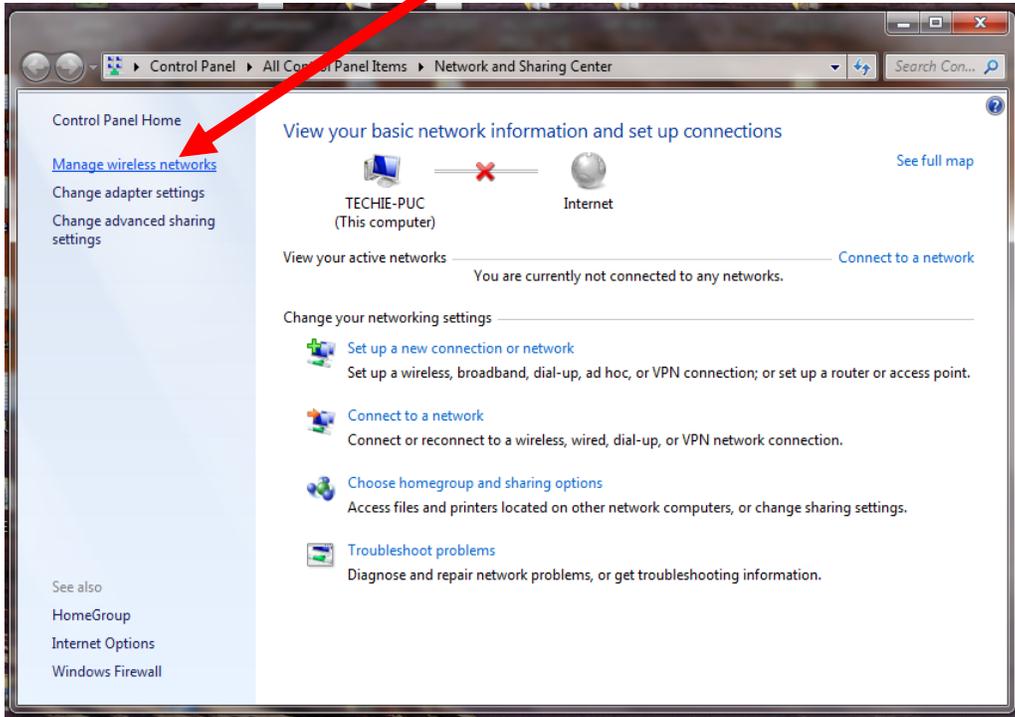
Windows 7

Step 1:

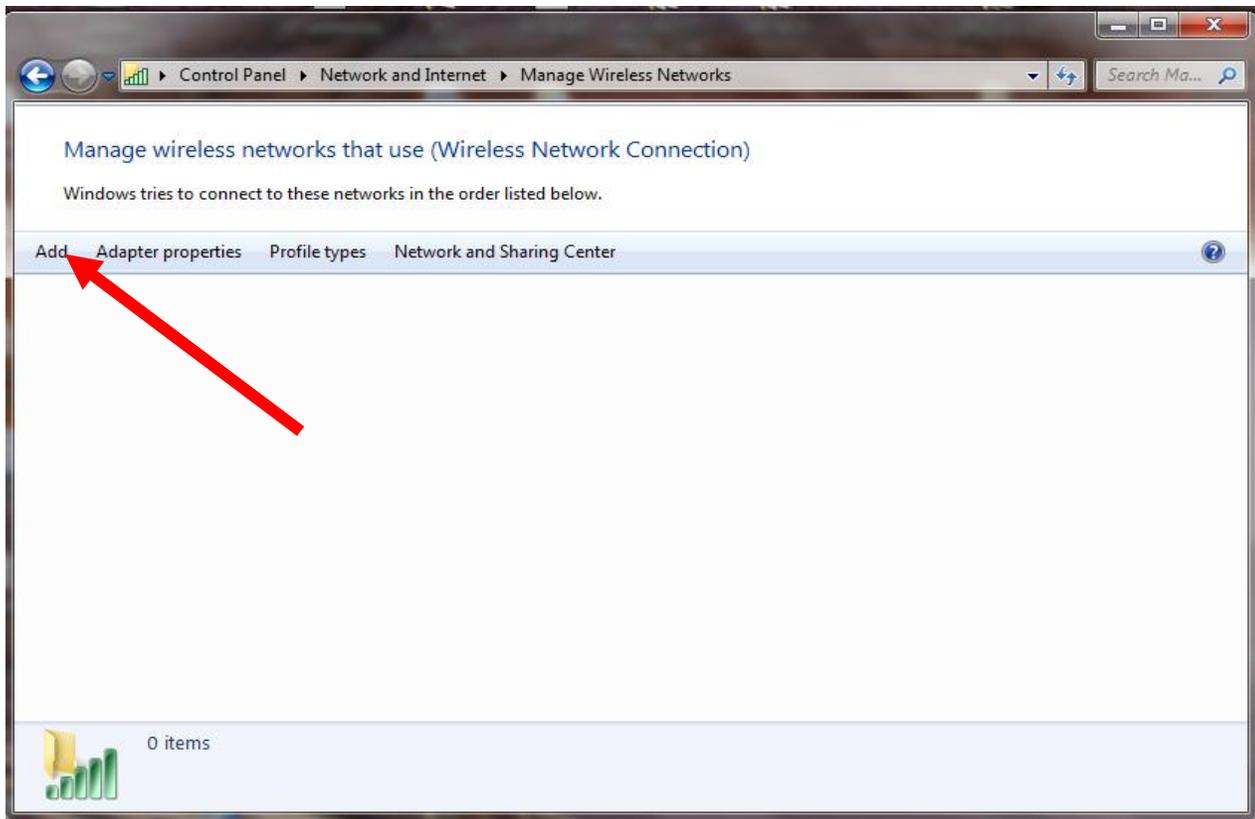Open the **Wireless Connection** and Click **"Open Network and Sharing Center"**
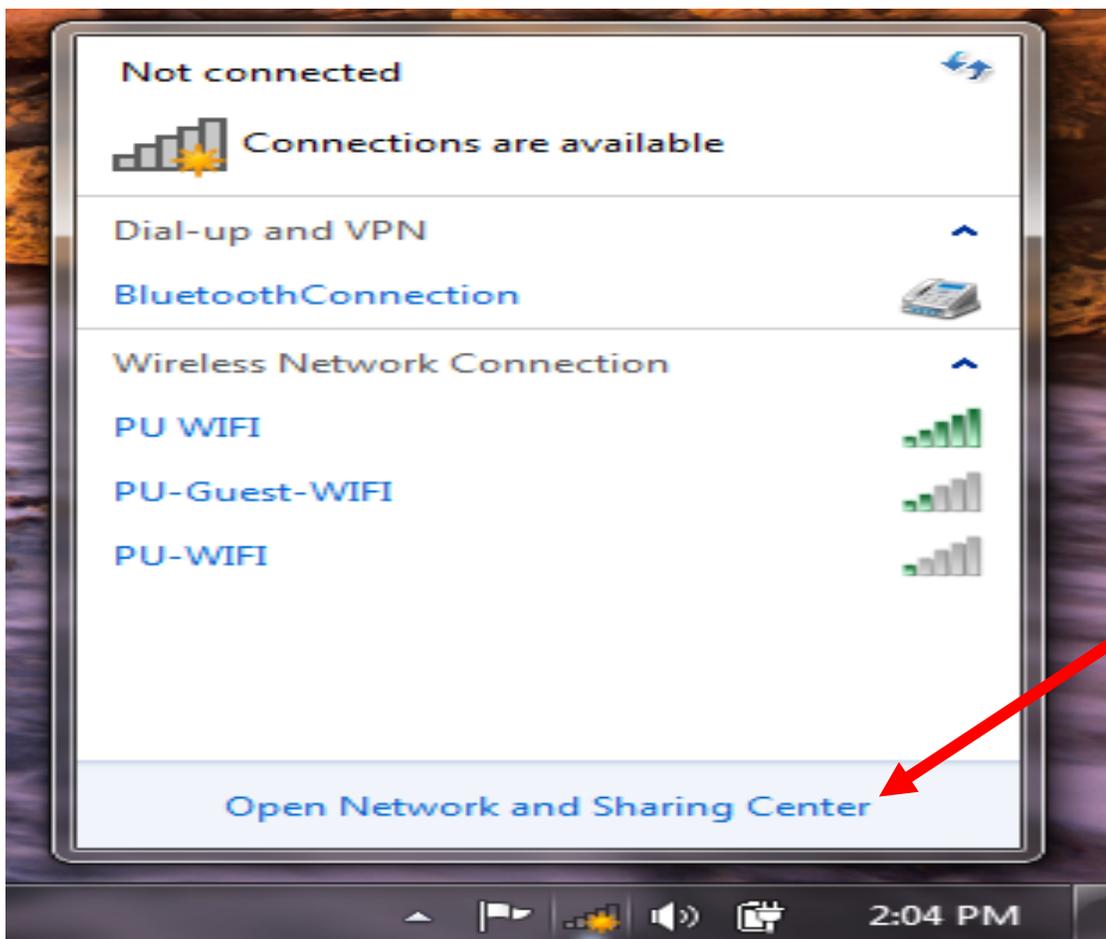
Step 2

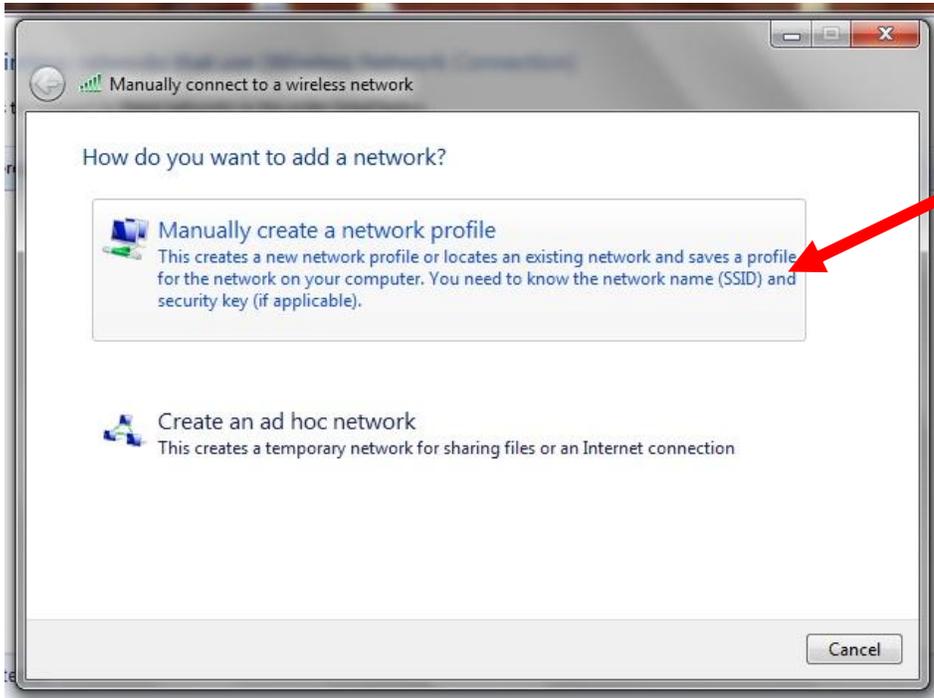On Network and Sharing Center dialog box **"Click Manage Wireless Networks"**

Step 3

Click **ADD** button

Step 4

Click **Manually Create a Network Profile**
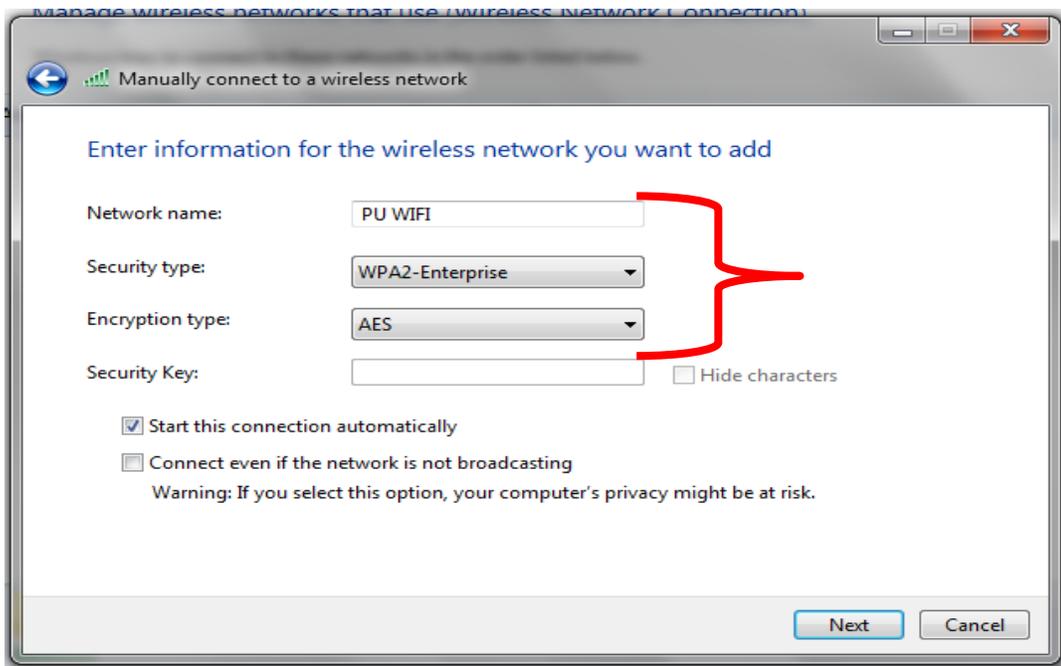

Step 5

NB// The Network name can either be **PU WIFI** or **eduroam**. Choose **ONLY** one depending on signal strength

Key-in the following and Click Next

Enter the Network Name   **PU WIFI**

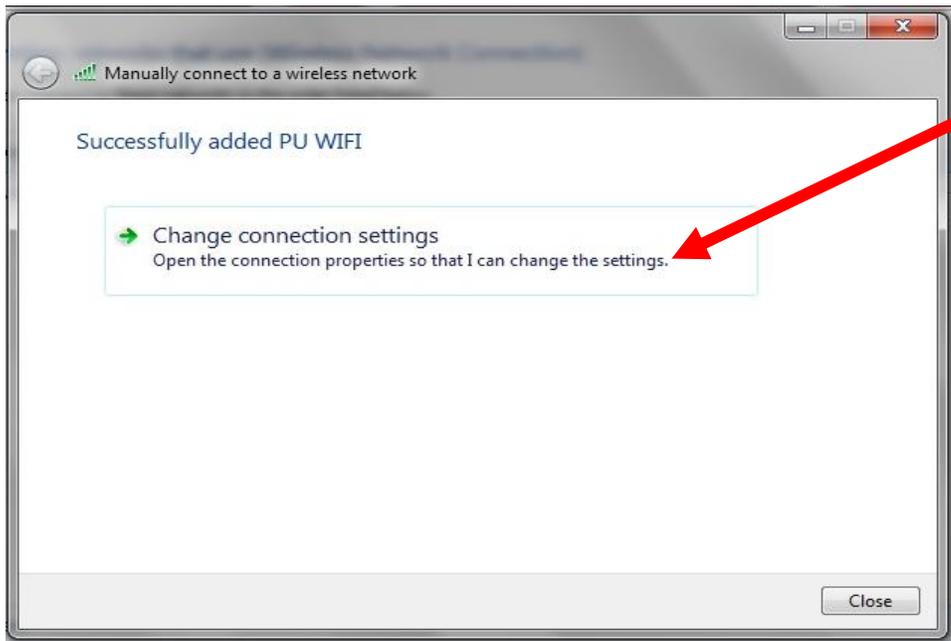Enter Security Type   **WPA2-Enterprise**
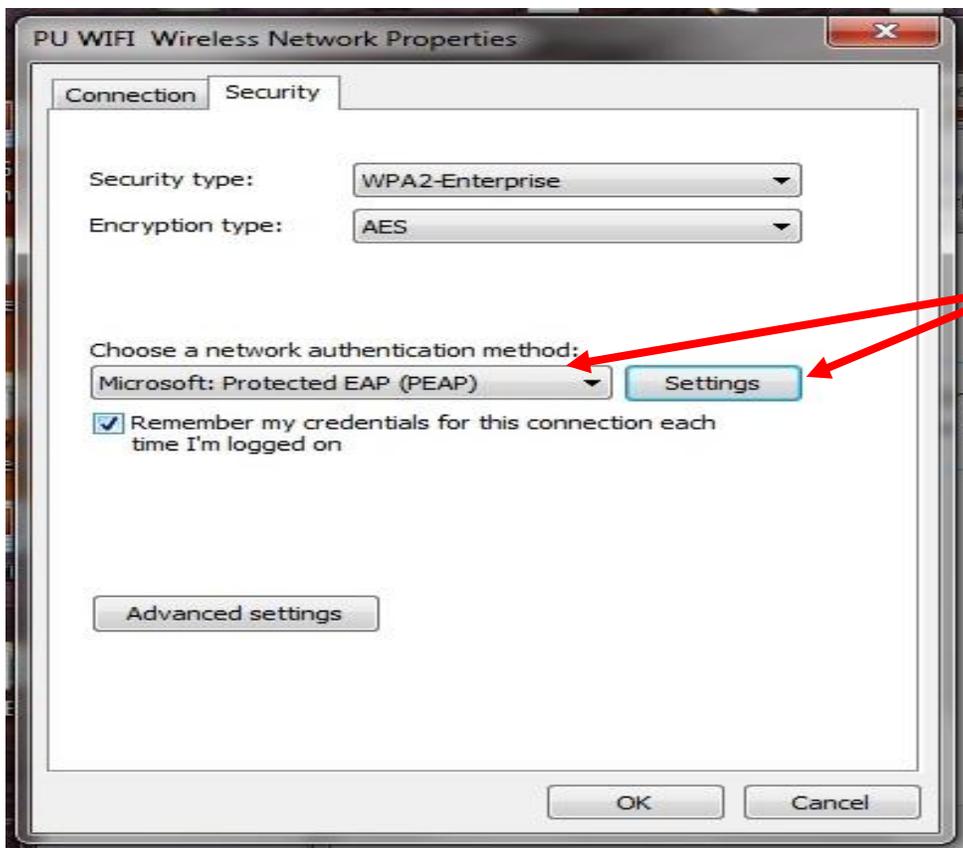
Encryption Type   **AES**

Step 6

Successfully added PU WIFI information is displayed

Click **Change Connection Settings.**

Step 7

Click **Security** tab, Choose a network authentication method:- **Microsoft: Protected EAP (PEAP)** then Click **Settings**

Step 8

On the pop up window Uncheck **Validate Server Certificate;** Select Authentication Method as **Secured password (EAP-MSCHAP V2)** on the combo box

Click **Configure** Button and Uncheck **Automatically use my windows logon name and password………** and click Ok
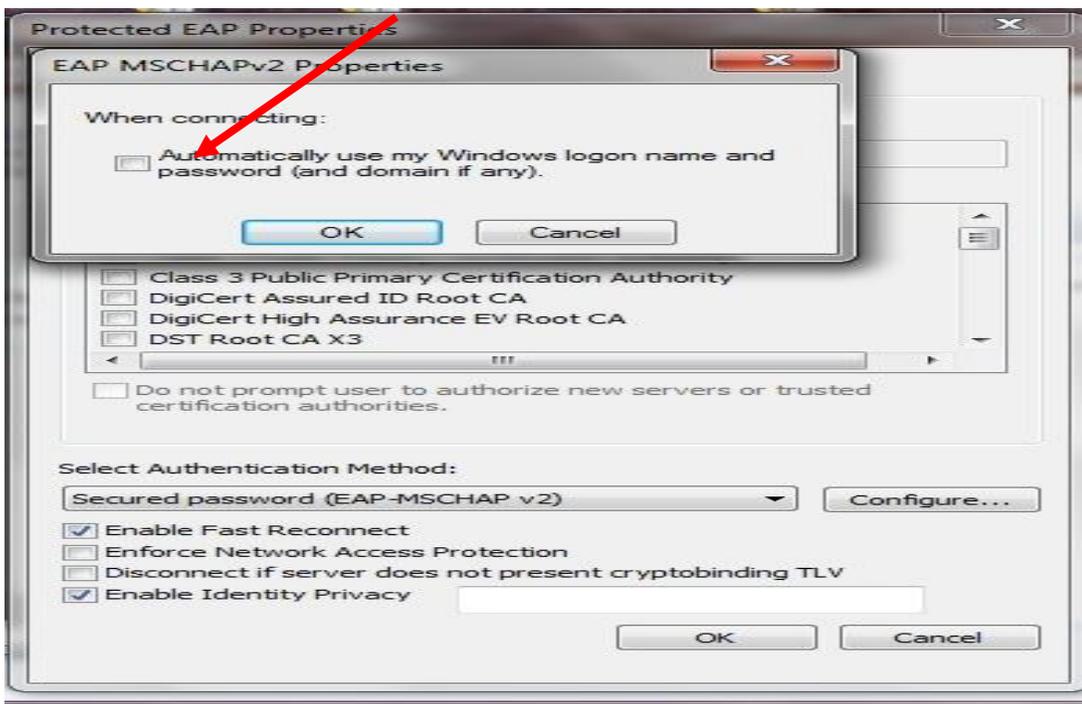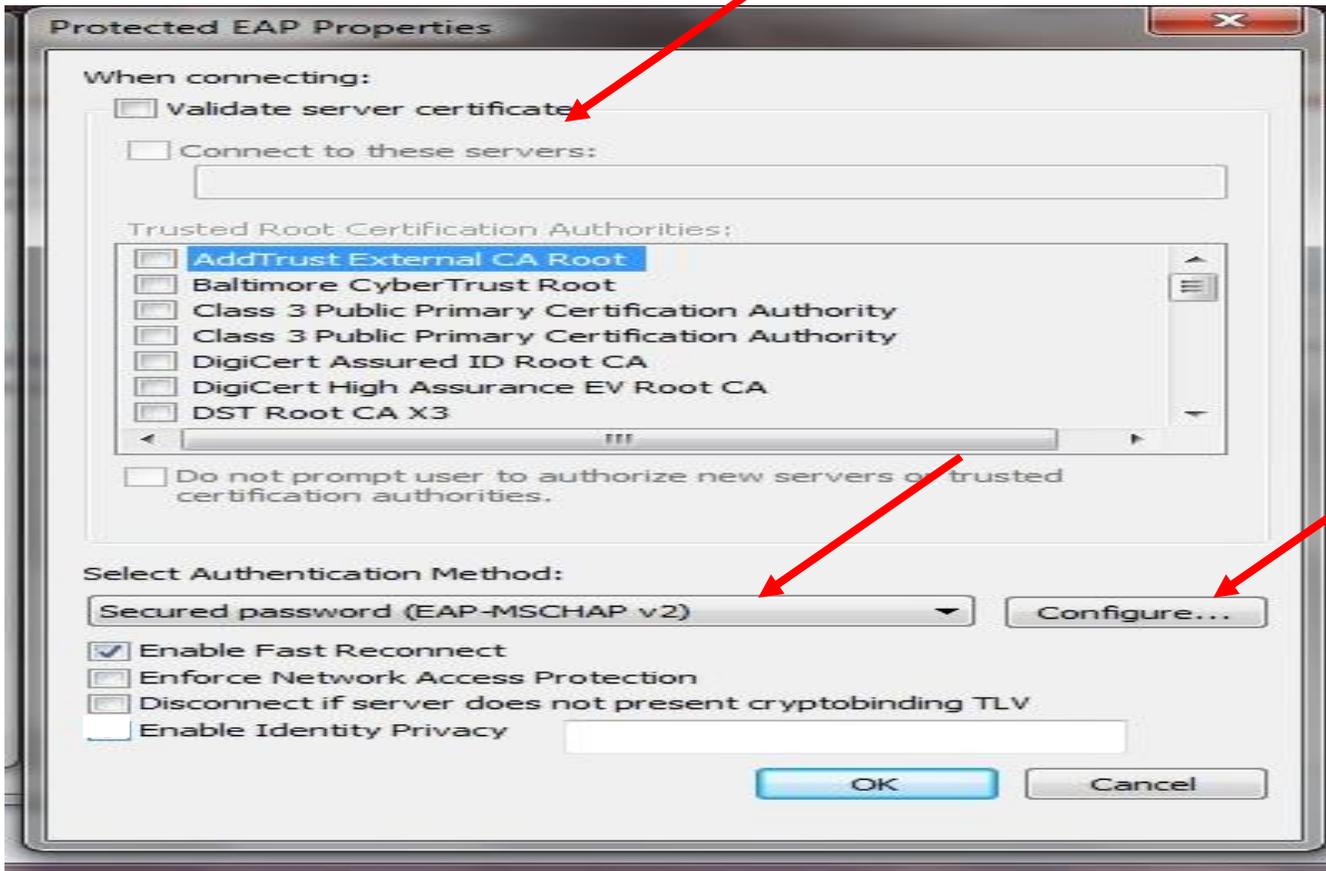
Click **Ok** to quit Protected EAP Properties
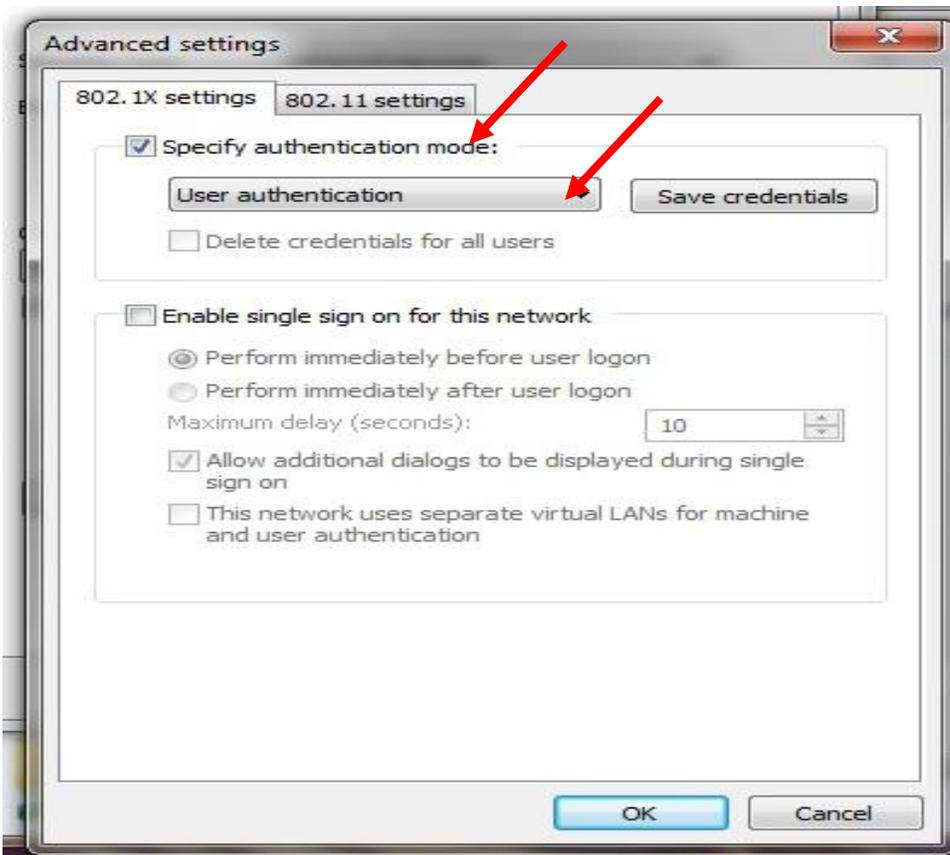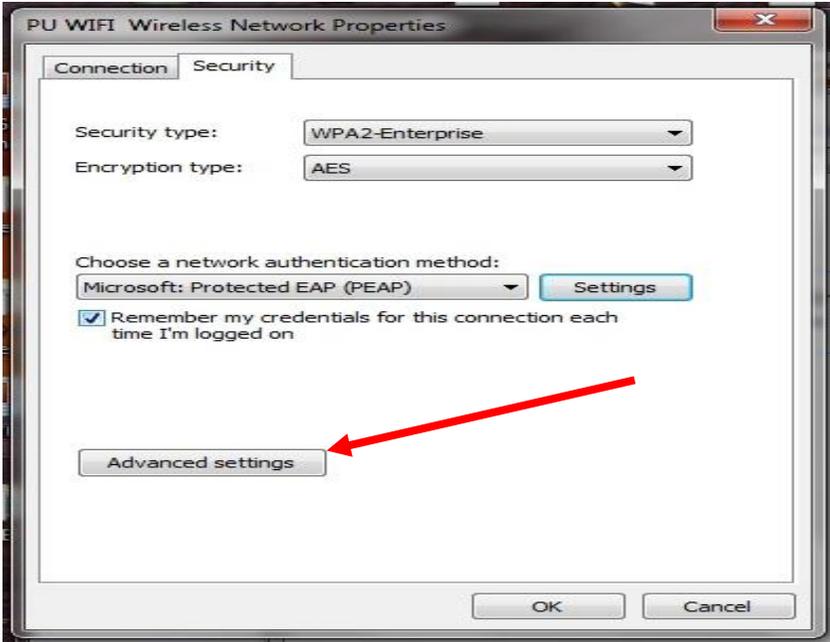
Step 9

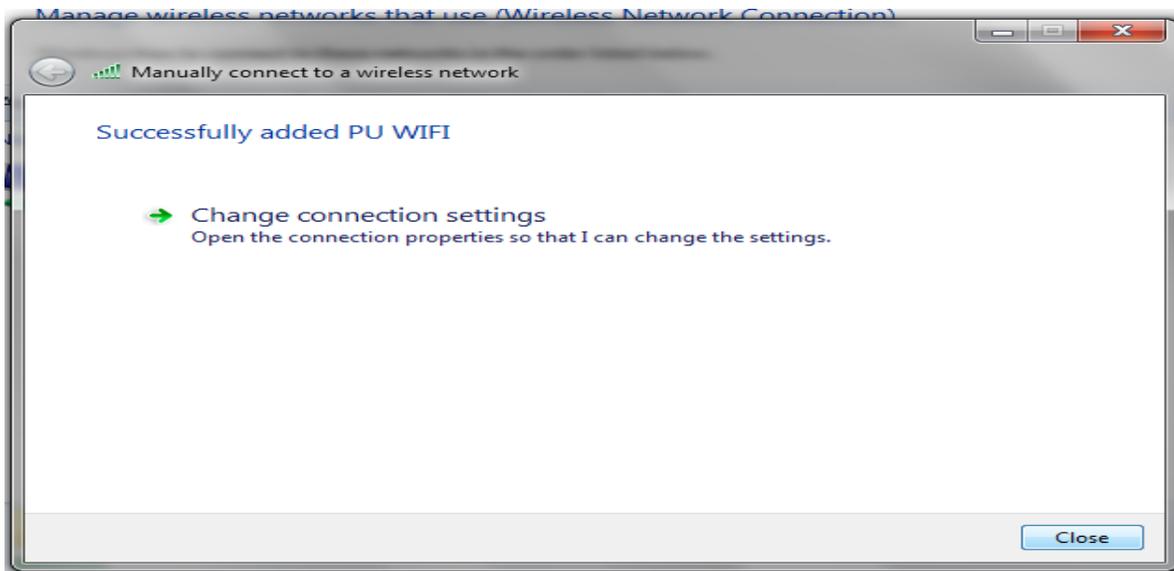Click on **Advanced Settings** Tab

Check the checkbox to **Specify authentication mode,** Scroll the combo box and select **User Authentication.**

Click **802.11 settings** tab. Check that **Enable Pairwise Master Key (PMK)** caching is **NOT TICKED**.
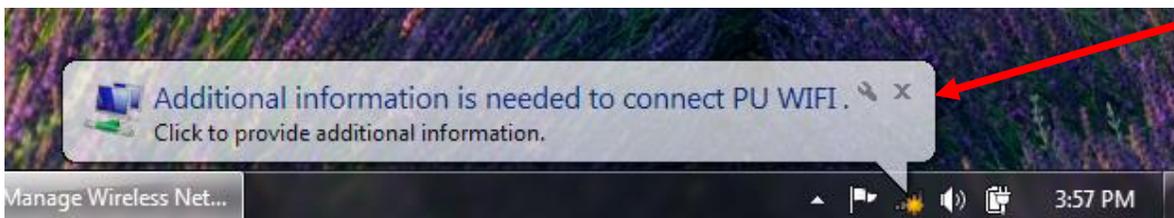
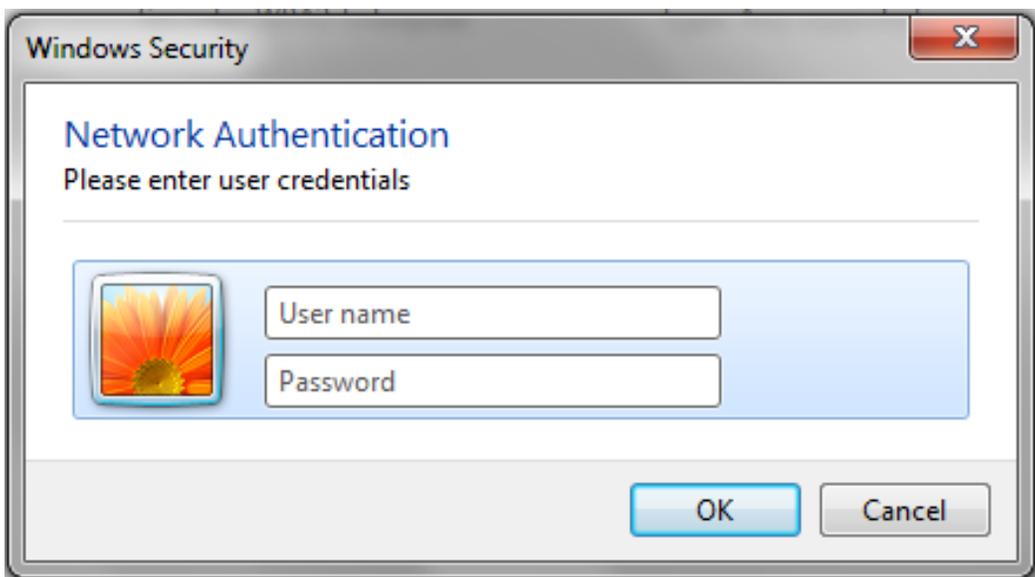Click **Ok** to quit advance setting window

Click **Close** button to quit manually connect to wireless network window

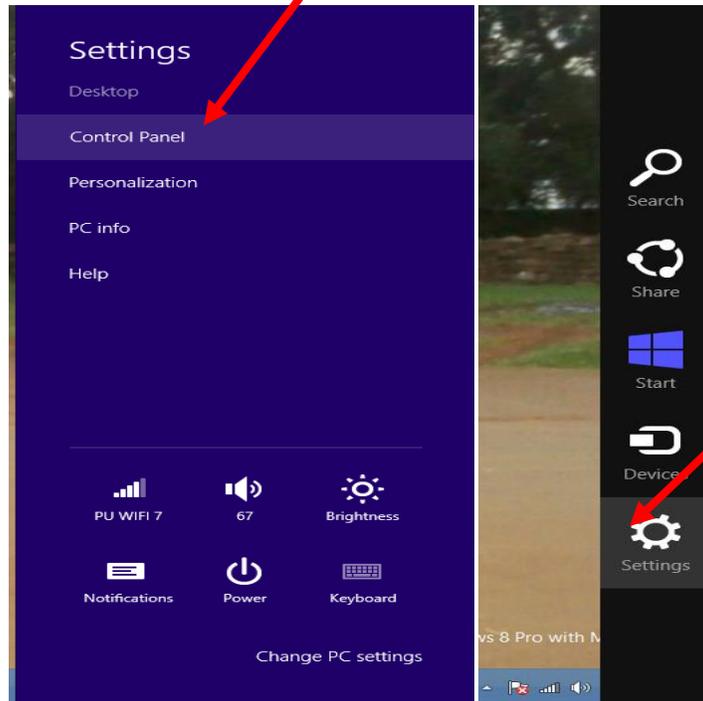Click on a pop up window (Additional Information is needed to connect PU WIFI) as shown below

Provide your **username** and **password** and click **OK**
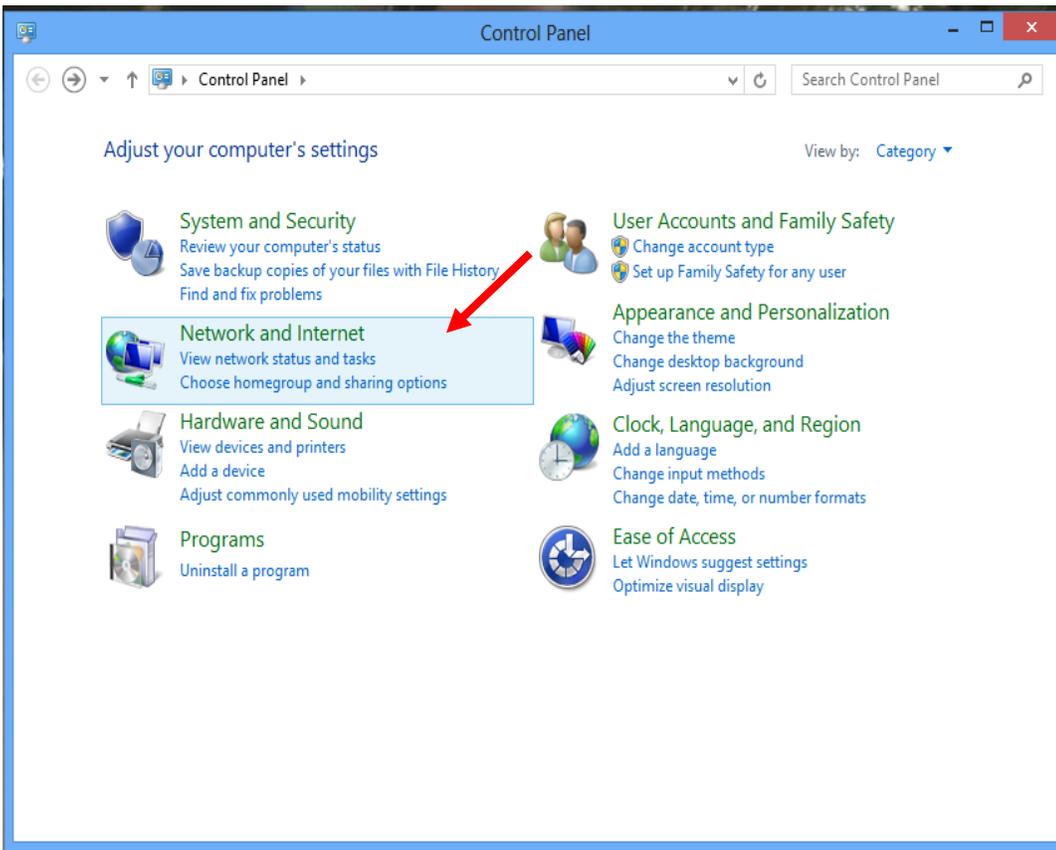
Windows 8 Authentication

Step 1

Move your mouse pointer to the top or bottom right corner without clicking and **Charms bar** will appear. Click on **Settings** then **Control Panel**
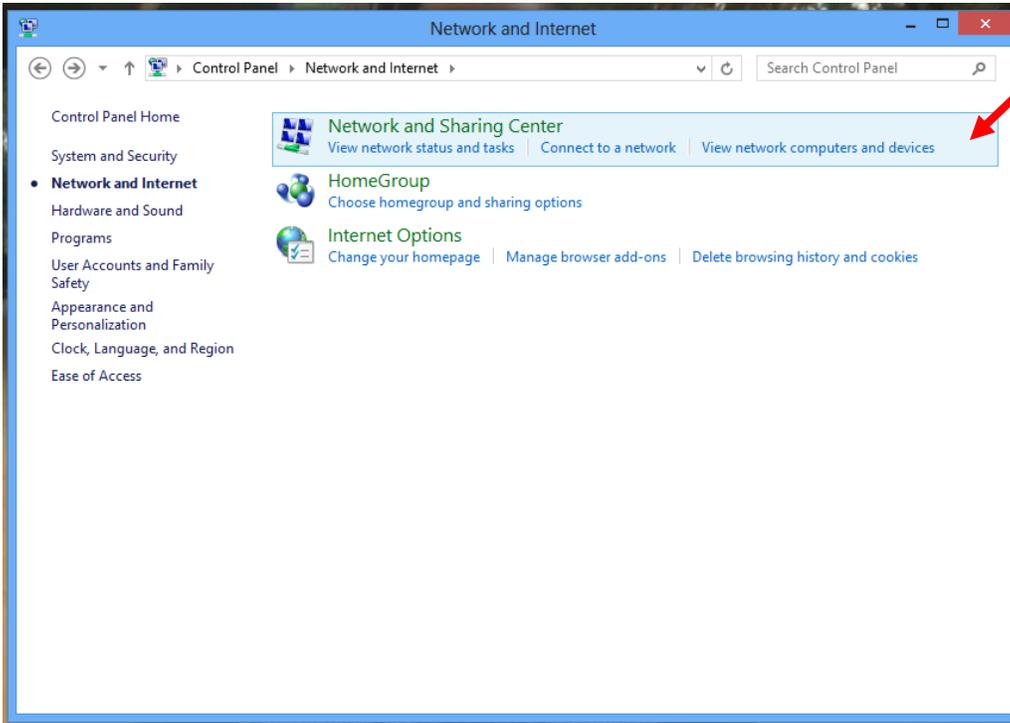

Step 2

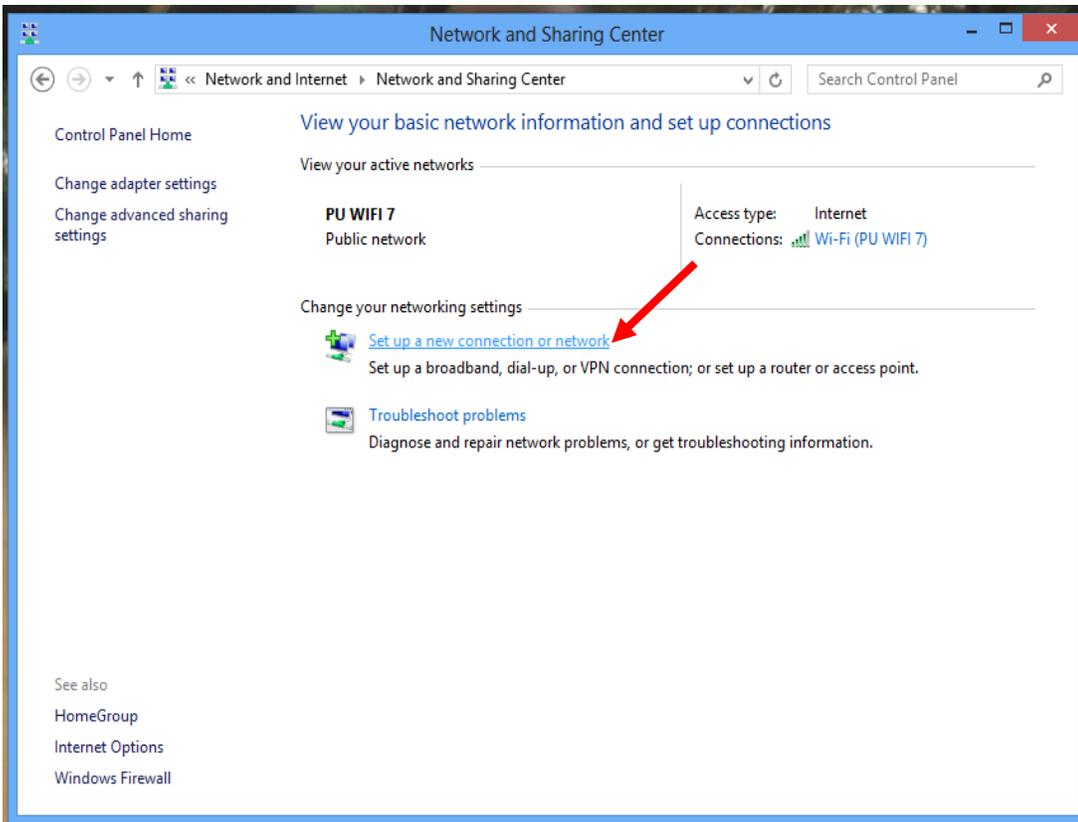On the control panel click **Network and Internet**

Step 3

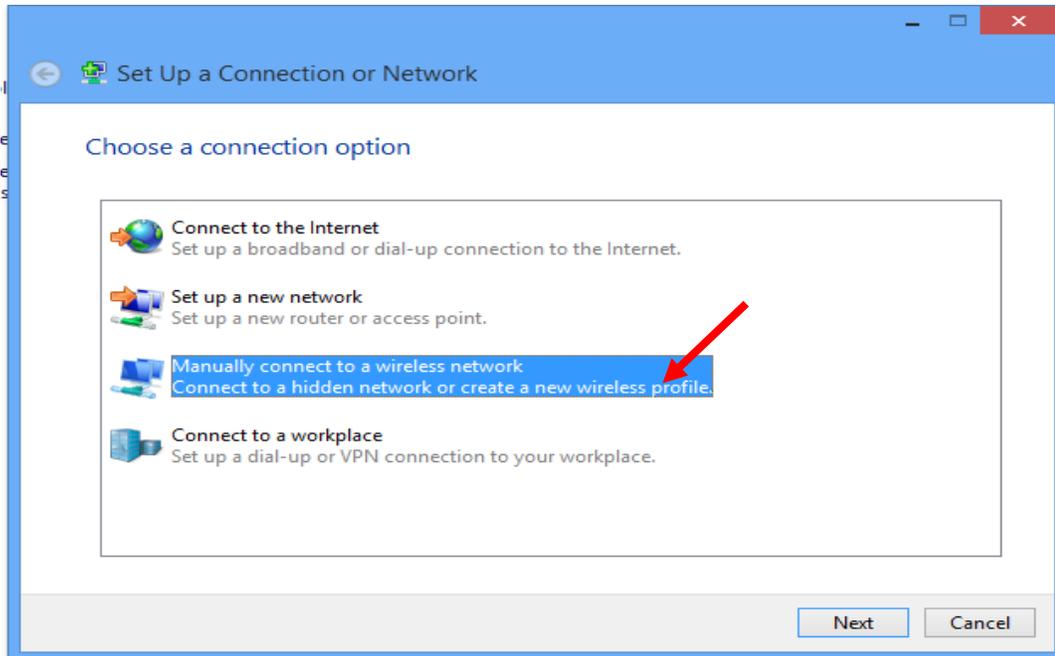Click **Network and Sharing** shown below

Step 4

Click **Set up a New Connection or Network**

Step 5

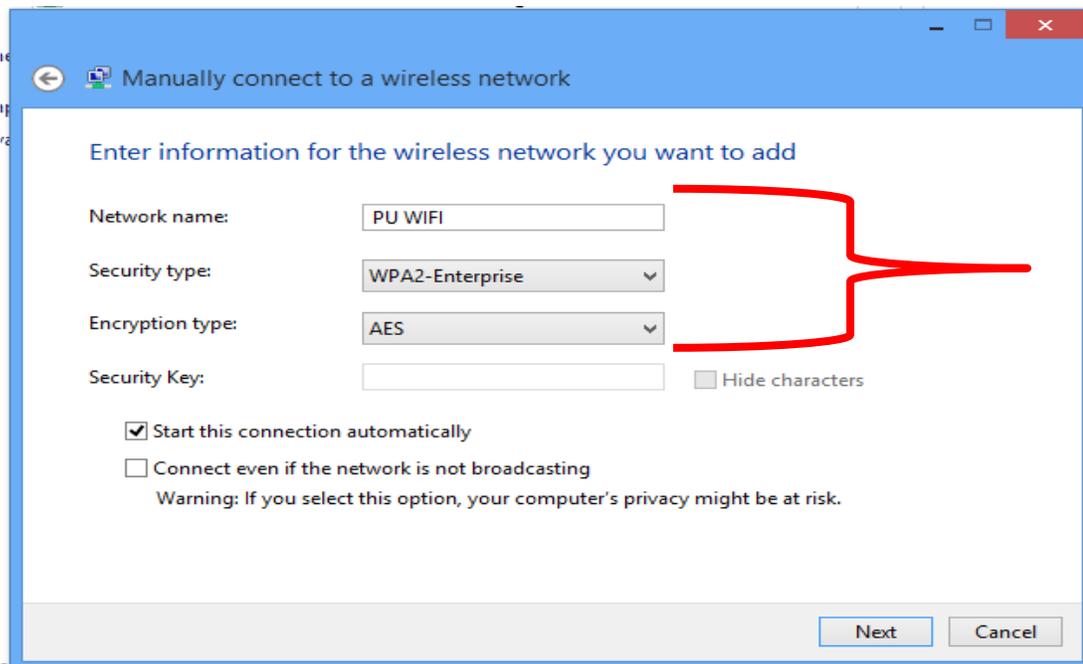Click **Manually Connect to a Wireless Network**

Step 6

NB// The Network name can either be **PU WIFI** or **eduroam**. Choose **ONLY** one depending on signal

Key the following details then Click **Next**
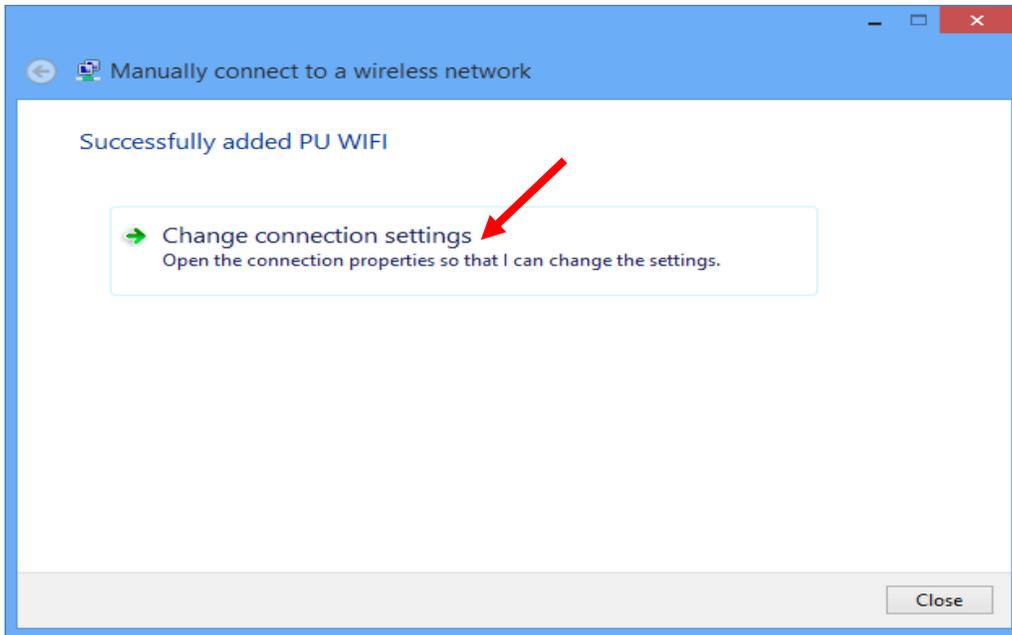
Network Name   **PU WIFI**

Security Type   **WPA2-Enterprise**
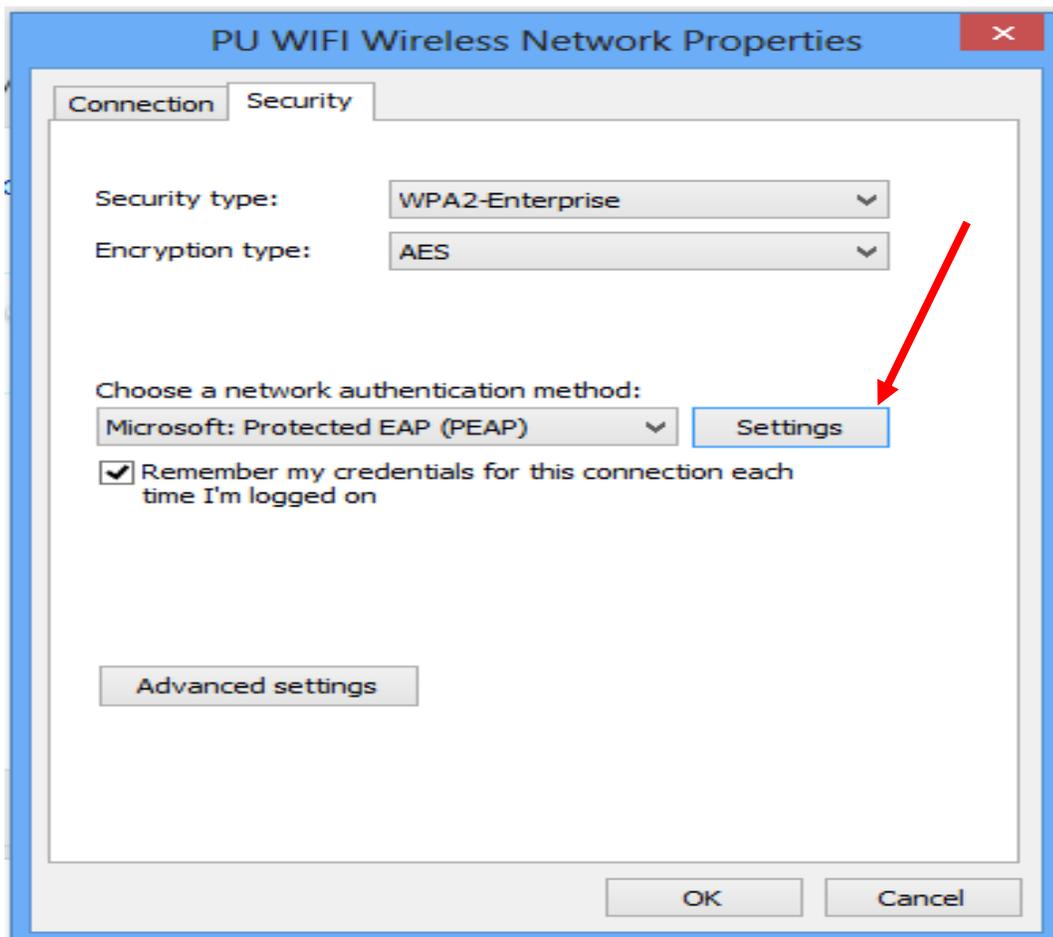
Encryption   **AES**

Step 7

A **successfully added PU WIFI** is displayed. Click **Change connection Settings**


Step 8

Click **Security** tab, Choose a network authentication method:- **Microsoft: Protected EAP (PEAP)** then Click **Settings**

On the pop up window **Uncheck Verify the server's identity by Validating Server Certificate.**

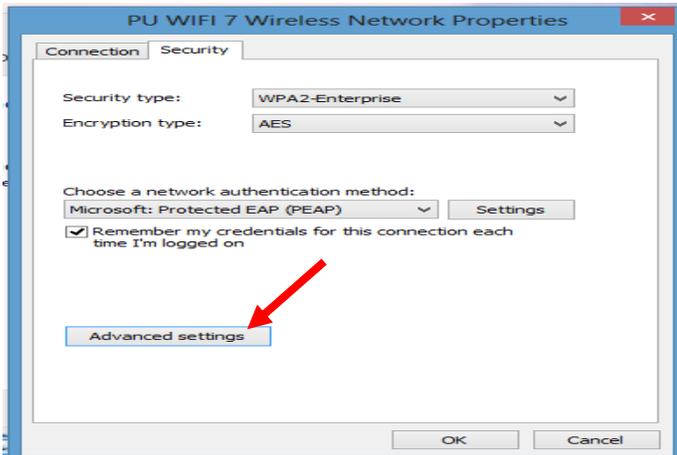Select Authentication Method as **Secured password (EAP-MSCHAP V2)** on the combo box

Click **Configure** Button and **Uncheck Automatically use my windows logon name and password………** and click **Ok**
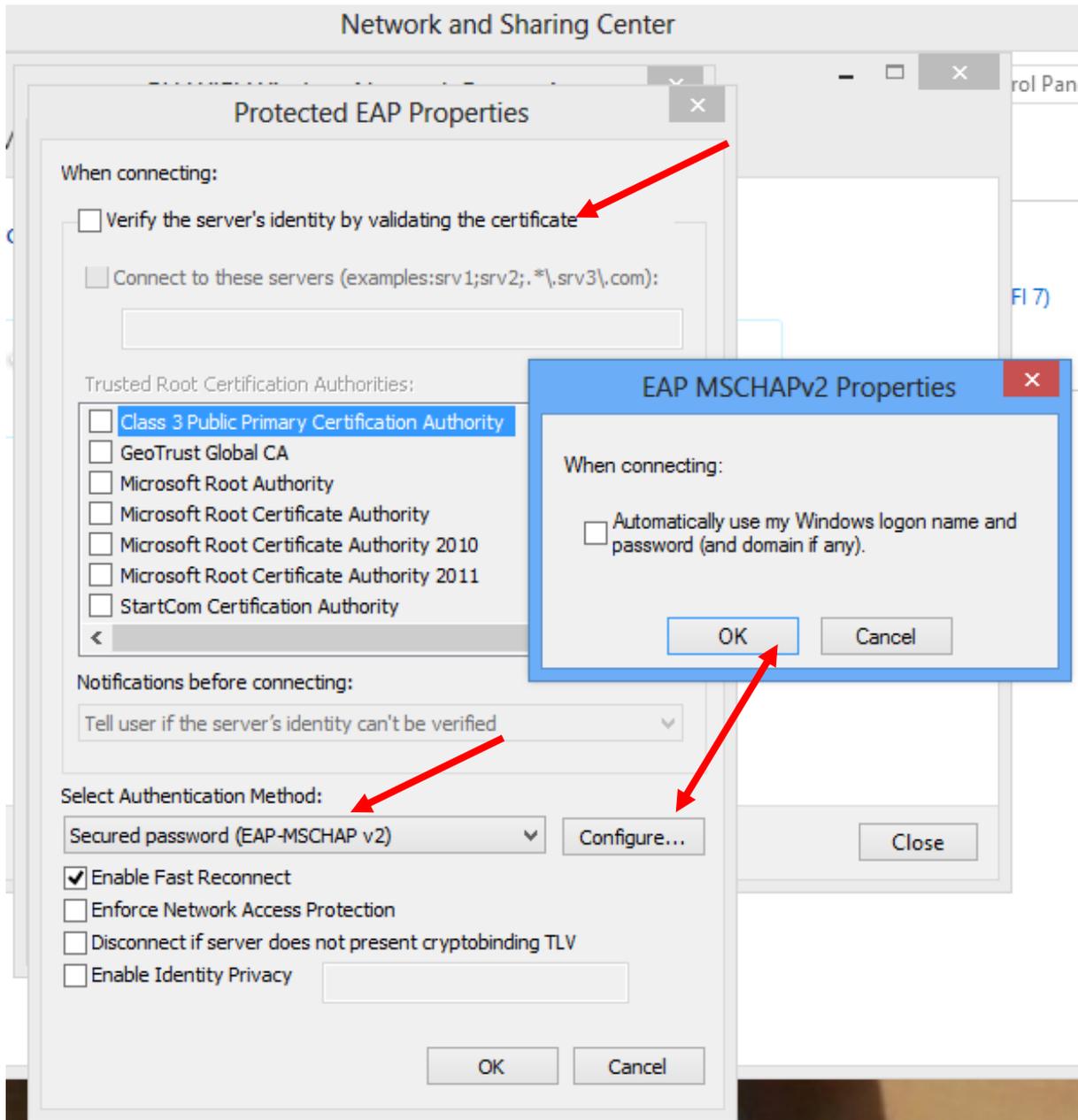
Click **Ok** to quit **Protected EAP Properties** and **Advance settings** window
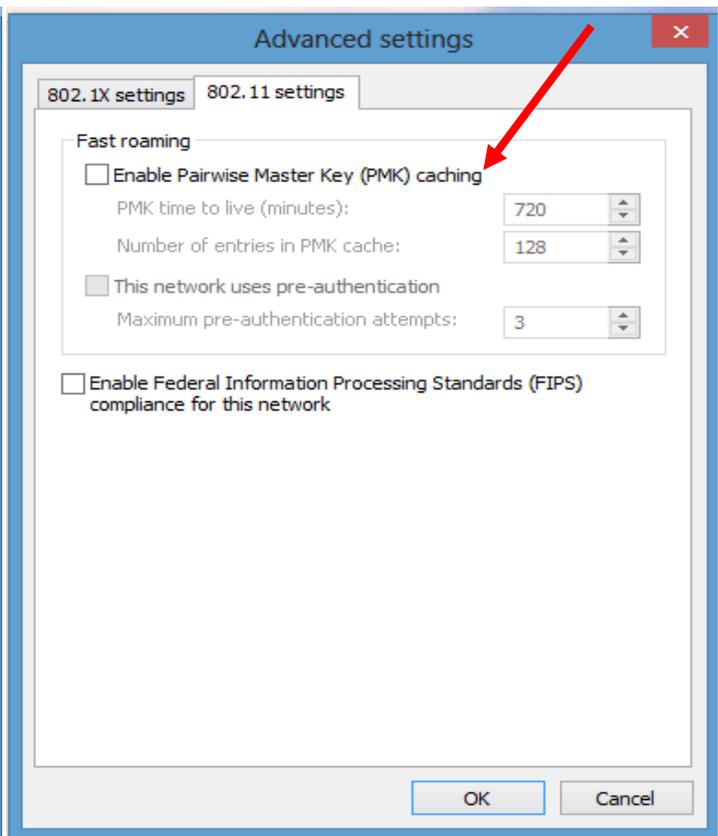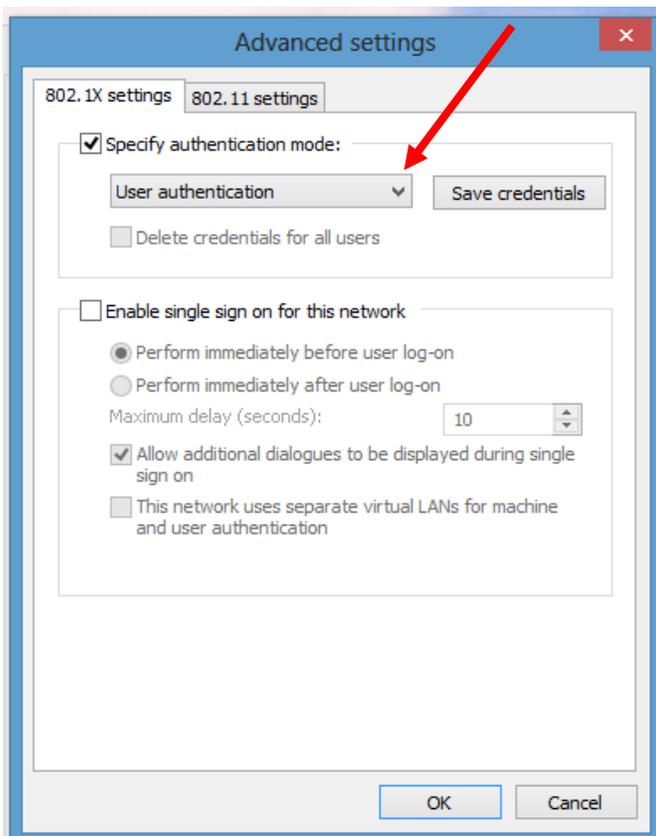
Step 9

Click **Advanced Setting** Tab

Click **802.1x setting** and **Check** the checkbox to **Specify authentication mode,** Scroll the combo box and select **User Authentication.**

Click **802.11 settings** tab. On Fast roaming section, **Uncheck** the checkbox **Enable Pairwise Master Key (PMK)** caching

Click **Ok** to quit advance setting window

Step 10

Click the Network icon on the systems tray, select PU WIFI and click connect. Key in your username and password on the Network Authentication window

NB// Your Username and password is Domain Controlled. It's composed of your **firstname.lastname**

Obtain these credentials from the ICT office,

For Inquiries visit ICT office or E-mail ict@pu.ac.ke