Prerequisites:

- This setup guide is written specifically for Ubuntu Linux 7.10 (Gutsy) using Gnome Network Manager. There are a number of different ways to configure your wireless connection in Linux depending on the distribution. This document will only show one (the simplest) but the settings used here can be applied when using other methods.
- This setup guide assumes a correctly installed wireless card with the correct drivers.

Wireless Setup Procedure:

1. Ensure that you have a wireless card installed with the correct drivers. One quick way to check is to run the command `iwconfig`. Running this command without arguments displays the parameters of network interfaces configured for wireless operation:

   ```bash
   user@host:~$ iwconfig
   lo      no wireless extensions.
   eth0    no wireless extensions.
   eth1    unassociated  ESSID:"
            Mode:Managed  Frequency=2.462 GHz  Access Point: Not-AssOCIATED
            Bit Rate:0 kb/s  Tx-Power=20 dBm  Sensitivity=8/0
            Retry limit:7  RTS thr:off  Fragment thr:off
            Power Management:off
            Link Quality:0  Signal level:0  Noise level:0
            Rx invalid nwid:0  Rx invalid crypt:1  Rx invalid frag:0
   ```

2. Open “Gnome Network Manager”. The Gnome Network Manager applet is installed by default in Ubuntu 7.10. Left-click on the “Gnome Network Manager” icon, which should be located in top-right panel:
3. Left-click on the “uniwide” wireless network to configure it:

4. Configure uniwide wireless network using the following details and then click “Connect”:

<table>
<thead>
<tr>
<th>SSID / Network Name</th>
<th>UNSW PEAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Security</td>
<td>WPA2-Enterprise (if device does not support WPA2-Enterprise, use uniwide_webauth)</td>
</tr>
<tr>
<td>EAP Method</td>
<td>PEAP</td>
</tr>
<tr>
<td>Key Type/Encryption</td>
<td>AES-CCMP</td>
</tr>
<tr>
<td>Phase2 Type</td>
<td>MSCHAPv2</td>
</tr>
<tr>
<td>Identity/Username</td>
<td>Staff/Student ID (e.g. z1234567)</td>
</tr>
<tr>
<td>Password</td>
<td>zPass</td>
</tr>
</tbody>
</table>
You should now be connected to the uniwide wireless network: