WPA Secure Wireless Connection for Student machine

Perquisite:

- Your Operating System has to be Windows XP Professional SP1, Windows XP Home SP1 or above.
- Windows is the default client to control your wireless configuration settings.
- If you have GBSNET as your wireless network, you need to disconnect it by going to Start -> Control Panel -> Network Connections. Double-click on the Wireless Connection icon. Then click on View Wireless Networks. Highlight GBSNET and click on the Disconnect button.
Configuring the wireless client on students’ laptops

1. Start -> Control Panel -> Network Connections

2. Right Click on the Wireless Connection icon.
3. Select the **Wireless Networks** tab

4. Click on the **Add** button
5. Enter **GBSWPA** as the SSID. Please make sure Network Authentication is WPA and Data encryption is TKIP. *Note: GBSWPA is case sensitive.*
6. Click on the **Authentication** tab. Click on the Drop Box on **EAP type** section and select **Protected EAP (PEAP)**. Uncheck the box on Authenticate as computer when computer information is available. Click on Properties to continue.
7. Check **Validate server certificate**. Select **Secure password (EAP-MSCHAP v2)** as the authentication method. Check the box on **Enable Fast Reconnect**. Click on **Configure** to continue.
8. Remove the check on **Automatically use my Windows logon name and password**. Click **OK** to continue.

9. Click **OK** until you have exited from Wireless Network Connection Properties
10. Restart the computer.
11. After restarting the computer, a pop-up window will appear on the task bar when the wireless network is in range.

12. Click on the center of the pop-up window to enter your **GBSNET** credentials.
13. Enter your **GBSNET username and password** into the appropriate fields. The logon domain is **GBSNET**. Click **OK** when done. **The authentication may take up to a minute.** This is a one-time authentication.

14. Click **OK** to connect

**Q&A:**
**What happens if you change the GBSNET password?**
By design, Windows cache the password into its registry to provide the single sign-on capability.
If you ever change the GBSNET password, you need to do the following before you can use the wireless network:

a. Start -> Control Panel -> Network Connections
b. Double click on Wireless Network Connections
c. Click on Properties
d. Click on the Wireless Networks tab
e. Highlight GBSsecure in the Preferred networks and click Remove. Click OK to continue.

f. Restart the computer.
g. After restarting the computer, repeat Step 1 to Step 14.