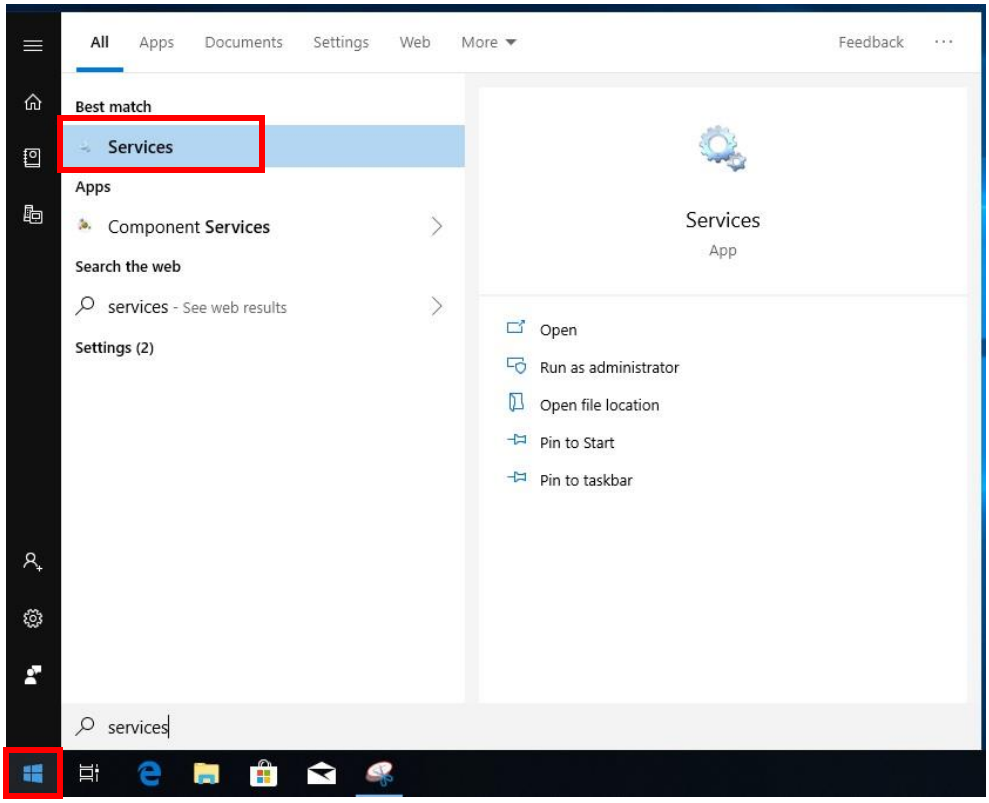
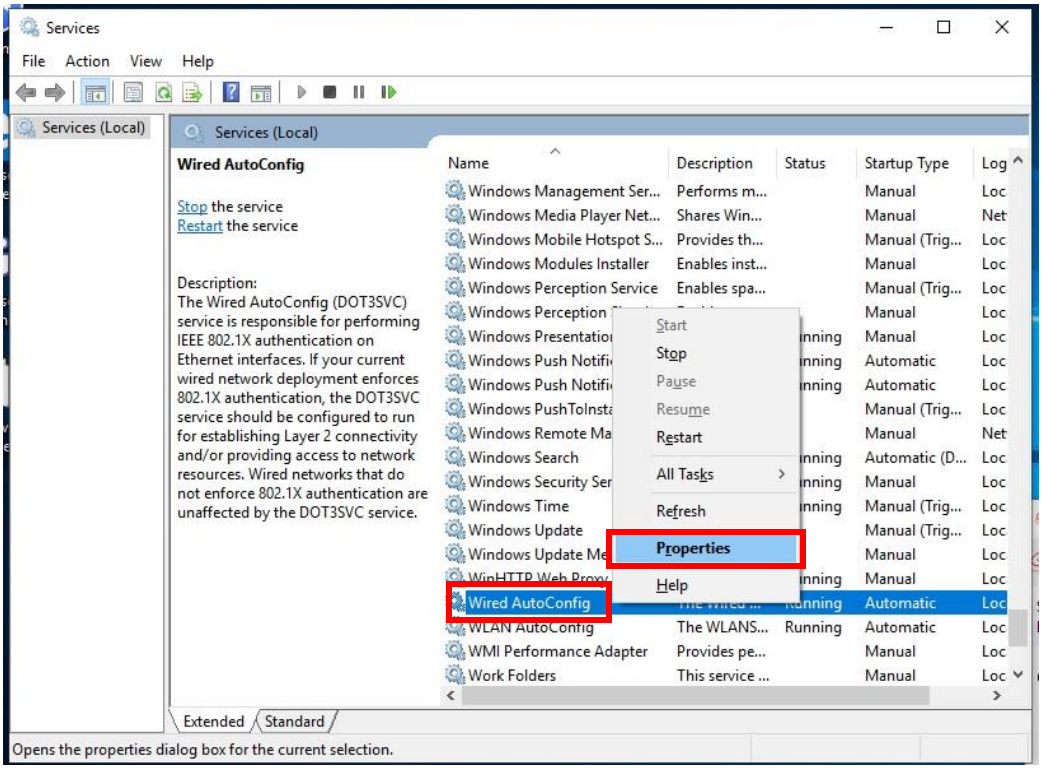
NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

[BYOD] Windows 10 802.1x Network Adapter Settings

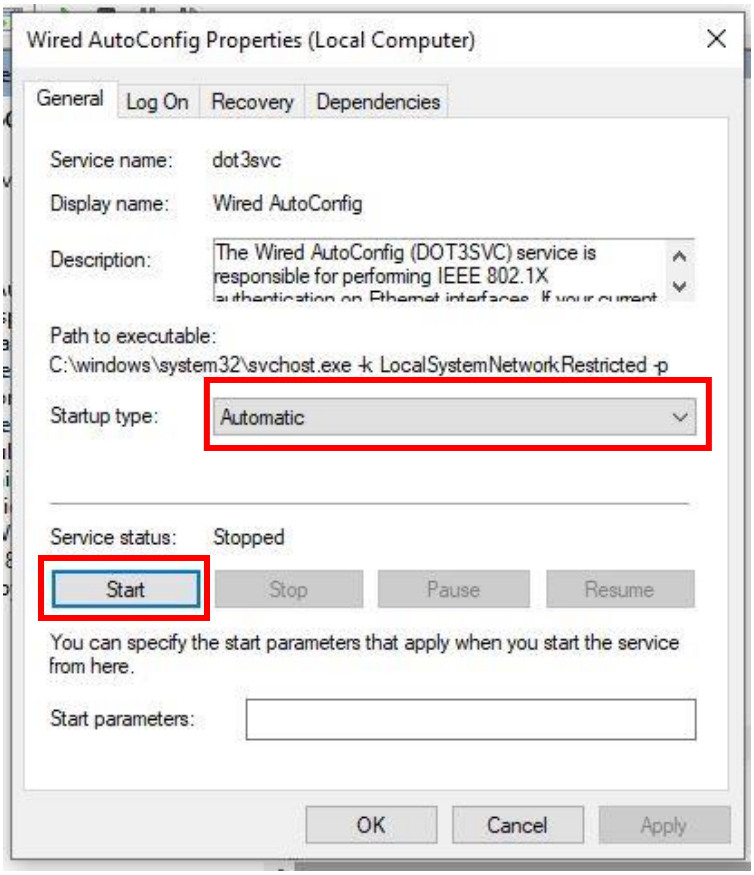
1. Go to **Windows 10 Start Menu**, type "**Services**" and open it.



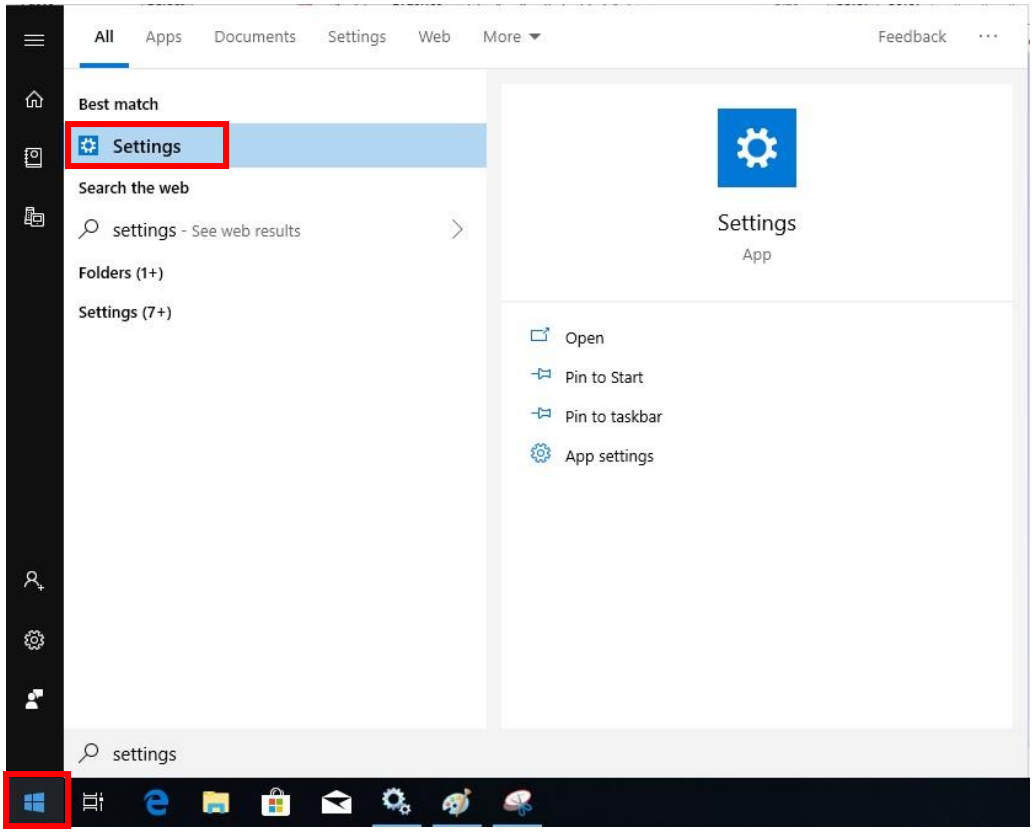
2. “**Services**” window will be displayed. Right click on “**Wired AutoConfig**” and click “**Properties**” from pop up menu.



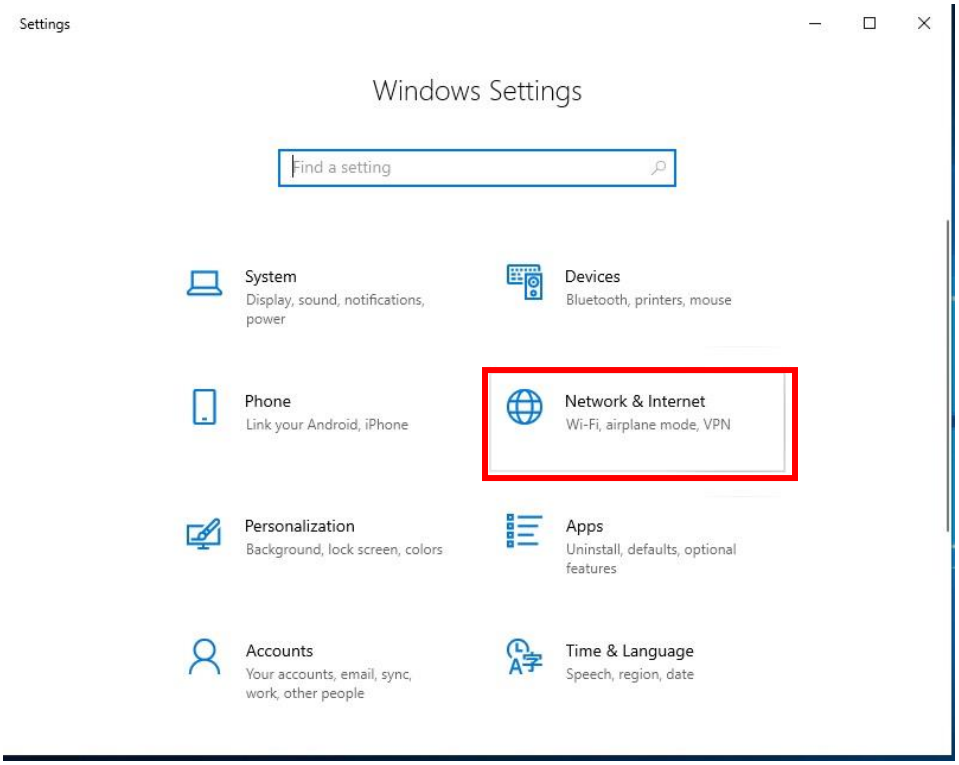
3. "**Wired AutoConfig Properties**" window will be displayed. Change "**Startup type**" to "**Automatic**" and click "**Start**" to enable 802.1x service. Then, click "**OK**".



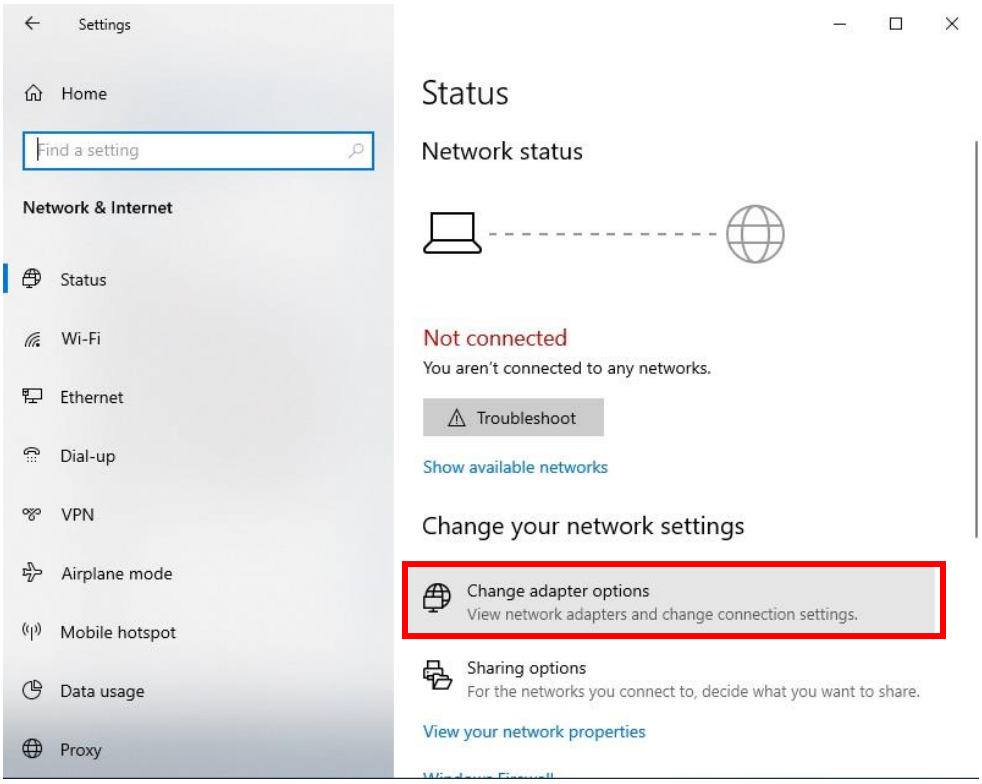
4. Go to **Windows 10 Start Menu**, type "**Settings**" and open it.



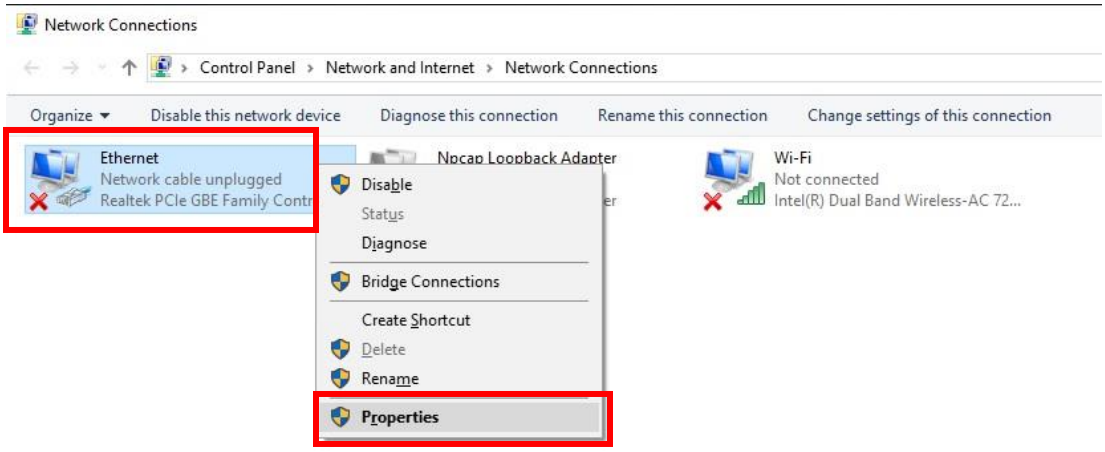
5. “**Windows Settings**” window will be displayed and click “**Network & Internet**”.



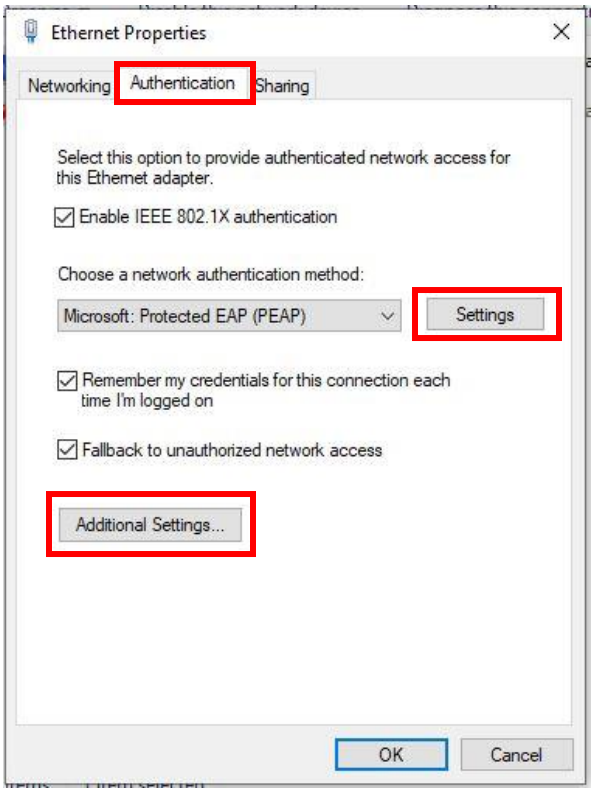
6. Next, click "**Change adapter options**".



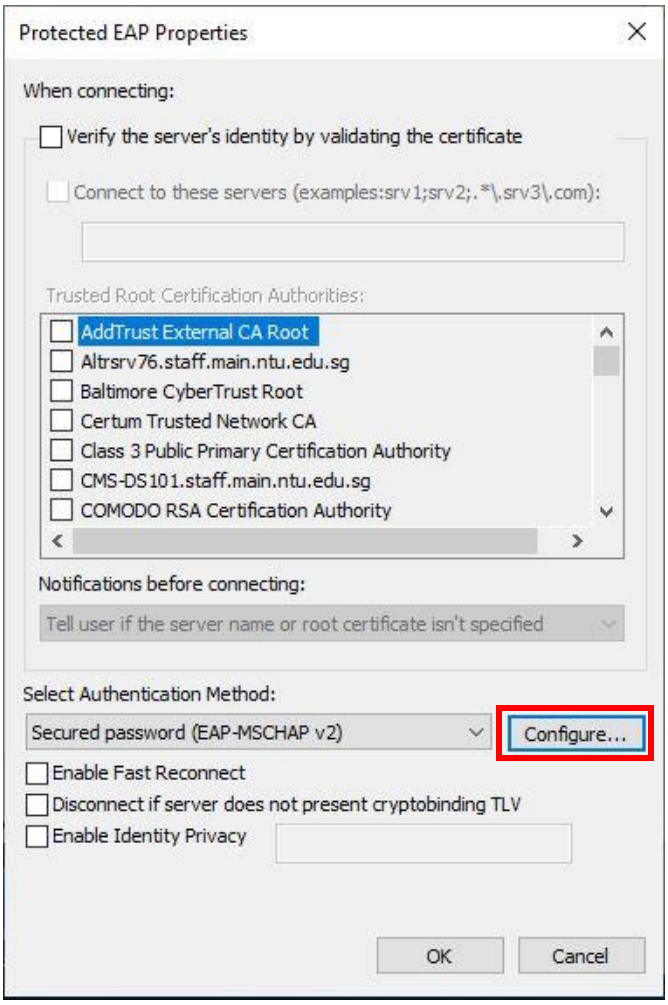
7. “**Network and Connections**” window will be displayed. Right click on correct wired network adapter and click “**Properties**” from pop up menu.



8. "**Ethernet Properties**" window will be displayed and click "**Authentication**" tab.
   Tick "**Enable IEEE 802.1x authentication**", "**Remember my credentials for this connection each time I'm logged on**", and "**Fallback to unauthorized network access**".
   Change network authentication method to "**Microsoft: Protected EAP (PEAP)**".
   Next, click "**Settings**".

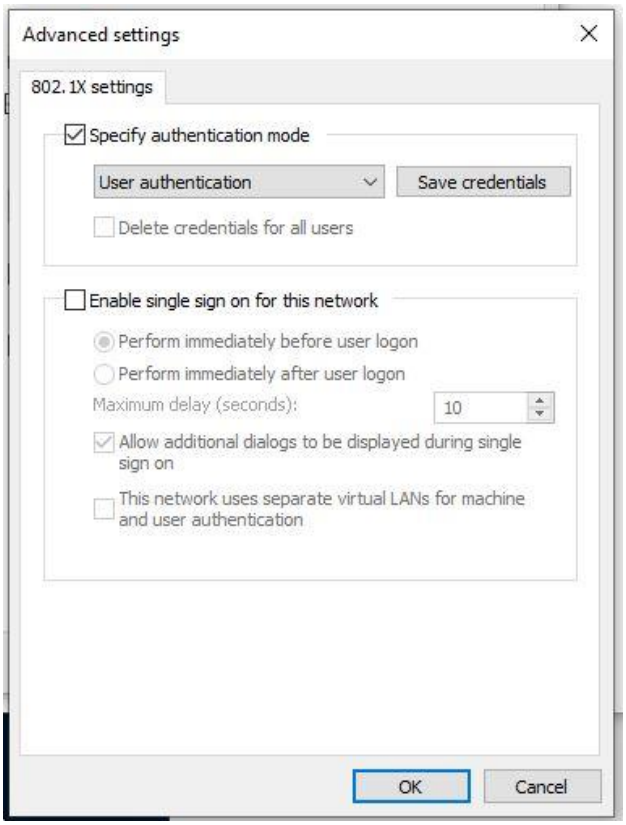


9. "**Protected EAP Properties**" window will be displayed.
   Uncheck "**Verify the server's identity by validating the certificate**", "**Enable Fast Reconnect**", "**Disconnect if server does not present cryptobinding TLV**", and "**Enable Identity Privacy**".
   Select "**Secure password (EAP-MSCHAP v2)**" as authentication method.
   Next, click "**Configure**".

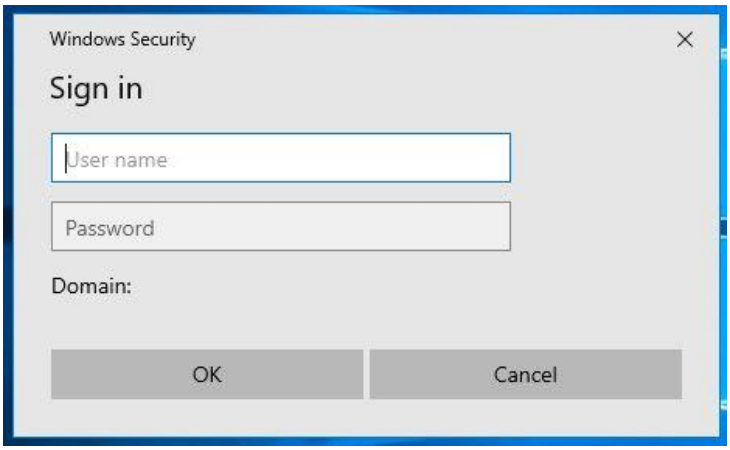


10. "**EAP MSCHAPv2 Properties**" window will be displayed.
    Uncheck "**Automatically use my Windows logon name and password (and domain if any)**" and click "**OK**".

11. Go back to "**Ethernet Properties**" window and click "**Advanced Settings**".
    "**Advanced Settings**" window will be displayed.
    Check "**Specify authentication mode**" and select "**User authentication**" from drop down menu.
    Next, click "**OK**".



12. Connect endpoint device to network point. 802.1x login window will be prompted and ask for login credentials.
    For staff user group, enter "**STAFF**" following by username and password. Then, click "**OK**".
    For student user group, enter "**STUDENT**" following by correct username and password. Then, click "**OK**".
    For assoc user group, enter "**ASSOC**" following by correct username and password. Then, click "**OK**".



----- End of Document -----