How to setup WiFi access for a Win 8 laptop (for most of the laptops)

- 1. Ensure that the hardware switch (a small slider in the front for Lenovo models, and a keyboard button for Del/Sony models) for wifi is enabled.
- 2. If you can't find the wifi switch, point to the upper-right corner of the screen with your mouse, move the mouse pointer down and then click Search.
- 3. Select the option "Settings" in the right pane and type "wifi" in the search box.
- 4. Click on "Turn wireless communication on or off" option and toggle the "wireless network connection" as shown in the image below.



Settings Results for '	'wifi″		
Turn wireless communication on or off	Find and fix networking and connection problems	wifi	
	Identify and repair network problems	Apps	
		Settings	
		Files	
		b Bing	
		Generation Store	
		Finance	
		Games	
		Google Chrome	
		Mail	



5. Similarly using the search option and choosing the option 'settings', search for "Network and Sharing Center" and open it.

	Network and Sharing Center Check network status, change network settings and set preferences	network and
Choose homegroup and sharing options	for sharing files and printers.	
HomeGroup	Find and fix networking and connection	Apps
Choose which apps appear in the share	Identify and repair network problems	Settings
	View network computers and devices	Files
	View network status and tasks	Bing
	Review your computer's status and resolve issues	Store
	View devices and printers	Finance
	Sync Center	Games
		Google Chrome
		A 4-31

6. Now, click on "Set up a new connection or network" as shown below.

¥	Network and Sharing Center	- Ō ×
🔄 🍥 🔹 🕇 💆 🕨 Control F	anel → All Control Panel Items → Network and Sharing Center	V 🖒 Search Co 🔎
Control Panel Home	View your basic network information and set up connections	
Change adapter settings	View your active networks Vou are currently not connected to any networks.	
settings	Change your networking settings	
Contract (1)	Set up a new connection or network Set up a broadband, dial-up, or VPN connection, or set up a router or access point.	
	Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.	
See also		
HomeGroup Internet Options		
Windows Firewall		
🧭 📋 🔗		∽ Ҏ 🛍 🏜 🏀 🏶 11:07 PM 5/1/2013

7. Select "Manually connect to a wireless network" from the window that appears.

	 Set Up a Connection or Network Choose a connection option Set up a biroadband or dial-up connection to the Internet. Set up a biroadband or dial-up connection to the Internet. Set up a new rother or access paint. Manually connect to a wireless network Connect to a hidden network or create a new wireless profile Connect to a workplace Set up a dial-up or VPN connection to your workplace. 	
	Next Cancel	
😂 🛅 🔗 🔮 🧿 唑		- ➡ 📆 🏭 🌜 🈻 11:17 PM 5/1/2013

Enter Information	for the wireless network	k you want to add
N <u>e</u> twork name:	wifistudent	
Security type:	[Choose an option]	•
Encryption type:		T
Se <u>c</u> urity Key:		Hide characters
Start this connec	ction automatically	
Connect even if	the network is not broadcasting	9
Warning: If you	select this option, your comput	ter's privacy might be at risk.

1. In the window that opens, type "wifistudent" as network name SSID, and Security Type as WPA2-Enterprise (as chosen from the drop down menu).

N <u>e</u> twork name:	wifistudent	
<u>S</u> ecurity type:	[Choose an option]	•
Enc <u>r</u> yption type: Se <u>c</u> urity Key:	No authentication (Open) WEP WPA2-Personal WPA-Personal WPA2-Setemation	Hide characters
🗐 Start this conne	WPA-Enterprise WPA-Enterprise ction at 802.1x	
Connect even if	the network is not broadcasting	
Start this connect Connect even if Warning: If you	the network is not broadcasting select this option, your computer's pr	ivacy might be at risk.

2. Check the "Start the connection automatically" and press next.

Enter information	for the wireless network you want	t to add
Network name:	wifistudent	
Security type:	WPA2-Enterprise V	
Encryption type:	AES 🗸	
Security Key:		Hide characters
✓ Start this connec	ion automatically	
Connect even if t Warning: If you s	he network is not broadcasting elect this option, your computer's privacy m	night be at risk.

3. Open the connection properties window by clicking on "Change Connection Settings".

Manually connect to a wireless network	
Successfully added wifistudent	
Change connection settings Open the connection properties so that I can change the settings.	
L	
	Close

4. In the properties window, check the boxes as shown below.

Connection Security	
Name:	wifistudent
SSID:	wifistudent
Network type:	Access point
Network availability:	All users
Connect automati	cally when this network is in range
Connect to a more	e preferred network if available
Connect even if th	ne network is not broadcasting its name (SSID)
- ognineee eventin a	
Concereventin a	
og incer even nu	
<u>og</u> neer evenn u	
<u>og</u> necetern u	

1. Select the Security Tab, select security type as WPA2-Enterprise from the drop down menu, encryption type as AES, network authentication method as "Protected EAP (PEAP)". Check the check box as shown below.

wifistudent	Wireless Network	k Properties	×
Connection Security			
Security type:	WPA2-Enterprise	~	
Encryption type:	AES	~	
Choose a network aut	thentication method:		
Microsoft: Protected	EAP (PEAP) V	Settings	
Remember my cre time I'm logged on	dentials for this connect	ion each	
Advanced settings			
		OK Cance	!

5. In the above windows, click on advanced settings in bottom left corner to open the window as shown below. Check "Specify authentication mode" select "user authentication" method from the drop down menu as shown below and click on "save credentials".

U	ser or computer aut	nentication 👻	Save gredentials
En	able <u>s</u> ingle sign on fo	r this network	
0	Perform immediatel	y b <u>e</u> fore user log	on
C	Perform immediatel	y a <u>f</u> ter user logoi	י
Ma	ximum delay (secon	ds):	10
1	Allow additional dial sign on	ogs to be display	ed during single
	This network uses s and user authentica	eparate <u>v</u> irtual L ation	ANs for machine

User or computer authentical User or computer authentical Computer authentication	tion Save gredent
User authentication Guest authentication	
Enable <u>s</u> ingle sign on for this n	network
Perform immediately before	re user logon
Perform immediately after	user logon
Maximum delay (seconds):	10
Allow additional dialogs to sign on	be displayed during single
This network uses separat and user authentication	e <u>v</u> irtual LANs for machine

User authentication) -	Save cre	edentials
	s		
Enable single sign on for this netw	vork		
Perform immediately before us	ser logo	n	
Perform immediately after use	er logon		
<u>M</u> aximum delay (seconds):		10	*
Allow additional dialogs to be a sign on	displaye	d during s	ingle
This network uses separate vi and user authentication	irtual LA	Ns for ma	chine

6. Enter your password and username in the window as shown below.

nuows security	1		
Save crede	ntials		
Saving your cr when you're n	edentials allows your co ot logged on (for examp	imputer to connect to the r ple, to download updates).	network
	User name		
	Password		
		ОК	Cancel
			S7
ndows Security	Ŷ		
Save crede	ntials		
Saving your cr when you're n	edentials allows your co ot logged on (for examp	omputer to connect to the r ple, to download updates).	network
	teststudent		
	teststudent		
	teststudent		

7. In the window (as shown below) previously accessed in step number 10, click on Settings of PEAP to open the windows as shown below.

Connection Security				
Security type:	802.1X			•
Encryption type:	WEP			•
Microsoft: Protecte	JEAD (DEAD)			
Remember my cr time I'm logged c	edentials for this on	connectio	Settings n each	
Remember my ar time I'm logged a	edentials for this on	connectio	<u>S</u> ettings n each	
Remember my a time I'm logged a Advanced setting	a EAP (PEAP) redentials for this on	connectio	<u>S</u> ettings	
Remember my a time I'm logged a Advanced setting	gener (PEAP) redentials for this on	connectio	<u>S</u> ettings n each	

Protected EAP Properties
When connecting:
Validate server certificate
Connect to these servers:
Trusted <u>R</u> oot Certification Authorities:
Class 3 Public Primary Certification Authority
Equifax Secure Certificate Authority
GTE CyberTrust Global Root
Microsoft Root Authority
Microsoft Root Certificate Authority
Thawte Timestamping CA
VeriSign Trust Network
VeriSign Trust Network
Do not prompt user to authorize new servers or trusted certification authorities.
Select Authentication Method:
Secured password (EAP-MSCHAP v2)
Enable East Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy
OK Cancel

8. Uncheck "validate server certificate in the window as shown below.

Vhen connecting:	
Validate server certifica	te
Connect to these serve	ers:
Trusted <u>R</u> oot Certification	Authorities:
Class 3 Public Primary	Certification Authority
Equifax Secure Certifi	cate Authority
GTE CyberTrust Globa	Root
Microsoft Root Author	ity
Microsoft Root Certific	ate Authority
Thawte Timestamping	CA
VeriSign Trust Network	k
VeriSign Trust Network	k
Do not prompt user to certification authorities	authorize new servers or trusted
elect Authentication Method	d:
Secured password (EAP-MS	CHAP v2) ▼ <u>C</u> onfigure.
Enable <u>Fast</u> Reconnect Enforce <u>N</u> etwork Access F Disconnect if server does Enable <u>I</u> dentity Privacy	Protection not present cryptobinding TLV

9. Now, click on the Configure button from the window shown above and uncheck the box as shown below.

EAP MSCHAPv2 Properties	EAP MSCHAPv2 Properties
When connecting:	When connecting:
Automatically use my Windows logon name and password (and domain if any).	Automatically use my Windows logon name and password (and domain if any).
OK Cancel	OK Cancel

- 10. Close all the windows and go to the desktop and click on wifi symbol on the bottom left corner of the desktop.
- 11. Start the wifistudent connection by providing necessary details.

