"eduroam" services

eduroam is a global service that enables IITM users to obtain Internet connectivity when visiting other eduroam enabled institutions through WiFi

With eduroam you get Internet access when visiting other eduroam enabled universities, colleges and research centres. This facility would enable users to get authenticated and connected to the visiting institutions network using IITM LDAP ID (eg. username1@iitm.ac.in) and password. It also enables visitors from other eduroam enabled institutions visiting IITM to access Internet using their home institute ID and password.

Instructions to connect SSID eduroam

Visitors : Use your University / Institution settings.

Mobile devices:

Select SSID "**eduroam**" and in the pop-up select the following (IITM users visiting other Universities).

Visitors should use their own University settings.

- EAP type **PEAP**
- Phase-2 autentication MSCHAPV2
- CA certificate (unspecified)
- Identity [*Enter your LDAP username*] (ex. username1@iitm.ac.in)
- Anonymous identity [*Enter your LDAP username*] (ex. username1@iitm.ac.in)
- Password [Enter your password]

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Linux

 Passwords or encryption keys are required to access the Wi-Fi network 'eduroam'. Wi-Fi security: Wu-Fi security: WPA & WPA2 Enterprise Authentication: Protected EAP (PEAP) Anonymous identity: Username@insti.edu CA certificate: (None) No CA certificate is requiree PEAP version: Automatic Inner authentication: MSCHAPv2 Username: Username@insti.edu Password: 	Authentication requir	ed by Wi-Fi network		
Wi-Fi security: WPA & WPA2 Enterprise Authentication: Protected EAP (PEAP) Anonymous identity: username@insti.edu CA certificate: (None) PEAP version: Automatic Inner authentication: MSCHAPv2 Username: username@insti.edu Password: •••••••	Passwords or encryption key network 'eduroam'.	rs are required to access the Wi-Fi		
Authentication: Protected EAP (PEAP) Anonymous identity: username@insti.edu CA certificate: (None) PEAP version: Automatic Inner authentication: MSCHAPv2 Username: username@insti.edu Password:	Wi-Fi security:	WPA & WPA2 Enterprise 🔻		
Anonymous identity: CA certificate: PEAP version: Inner authentication: Username: Password: MSCHAPV2	Authentication:	Protected EAP (PEAP)		
CA certificate: (None) ✓ No CA certificate is require: PEAP version: Automatic Inner authentication: MSCHAPv2 Username: username@insti.edu Password: •••••••	Anonymous identity:	username@insti.edu		
✓ No CA certificate is required PEAP version: Automatic Inner authentication: MSCHAPv2 Username: username@insti.edu Password: •••••••	CA certificate:	(None)		
PEAP version: Automatic Inner authentication: MSCHAPv2 Username: username@insti.edu Password: ······		🛃 No CA certificate is required		
Inner authentication: MSCHAPv2 Username: username@insti.edu Password: •••••••	PEAP version:	Automatic 🔻		
Username: username@insti.edu Password:	Inner authentication:	MSCHAPv2		
Password:	Username:	username@insti.edu		
	Password:	······ **		

Mac & Windows 10

- 1. Connect to the **eduroam network**.
- 2. Enter your **username** (ex. **username1@iitm.ac.in**) and password.

Windows 7

1. On Windows 7 wireless clients, go to Control Panel >> Network and Sharing Center >> Set up a new connection or network.

Control Panel Home	
Manage wireless networks Change adapter settings <u>Change advanced sharing</u> <u>settings</u>	View your basic network information and set up connections See full map A1000375 Internet View your active networks You are currently not connected to any networks. Connect to a network
	Connection recording settings Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point. Connect or a network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection. Choose homegroup and sharing options Access files and printers located on other network computers, or change sharing settings. Troubleshoot problems
See also	Diagnose and repair network problems, or get troubleshooting information.

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2. Select **Manually connect to a wireless network**, then click Next



3. Enter the SSID name eduroam in Network name, select WPA2-Enterprise as Security type, and then click **Next**.

Enter information	for the wireless network you want to add	
Network name:	eduroam	
Security type:	WPA2-Enterprise	
Encryption type:	AES	
Security Key:	Hide characters	
👿 Start this connec	tion automatically	
Connect even if	the network is not broadcasting	
Warning: If you	select this option, your computer's privacy might be at risk.	

4. Click Change connection settings

Succes	sfully added eduraom	
•	Change connection settings Open the connection properties so that I can change the settings.	
		-

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5. In Security tab, click Settings, un-check **Validating server certificate**. Click **Configure...** and un-check **Automatically use my Windows logon name and password (and domain if any)** then click **OK**.

uraom Wireless Network Properties	Protected EAP Properties	5
Connection Security	When connecting:	
Security type: WPA2-Enternrise	Validate server certificate Connect to these servers:	
Encryption type: AES		
	Trusted Root Certification Authorities:	
Choose a network authentication method:	AddTrust External CA Root	
Microsoft: Protected EAP (PEAP) Settings	Baltimore CyberTrust Root Certum CA	
Remember my credentials for this connection each time I'm logged on	Certamory	
	Class 3 Public Primary Certification Authority	EAP MSCHAPv2 Properties
	Do not prompt user to authorize new servers or trusted certification authorities.	When connecting:
		Automatically use my Windows logon name and password (and domain if any).
Advanced settings	Select Authentication Method:	
	Secured password (EAP-MSCHAP v2) Configure	OK Cancel
	Enable Fast Reconnect Enforce Network Access Protection	
OK Cancel	Disconnect if server does not present cryptobinding TLV	
On Cancer		
	OK Cancel	

6. Click **Advanced settings**, enable **Specify authentication mode**, and choose **User or computer authentication**, then click **OK**.

onnection Security	1	8	02.1X settings 802.11 settings		
Security type: Encryption type:	WPA2-Enterprise	•	Specify authentication mode: User or computer authentication	n 🔹 Save cre	edentials
Choose a network a	uthentication method:		Enable single sign on for this ne Or perform immediately before	twork user logon	
Microsoft: Protected	d EAP (PEAP) 🔹 Setting	s	Perform immediately after u	ser logon	
Remember my cr	edentials for this connection each		Maximum delay (seconds):	10	
time I'm logged o	n		Allow additional dialogs to be sign on	e displayed during s	ingle
			This network uses separate and user authentication	virtual LANs for ma	chine
Advanced setting	IS				

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7. Connect to the wireless network "eduroam".



8. When prompted for user credentials, type the username (ex. <u>username1@iitm.ac.in</u>) and password.

Network A	uthentication	
Please enter u	iser credentials	
(III)	username	
	•••••	