

# Briefing on the UTMWiFi network in UTMJB Residential Colleges

by

Center for ICT

UTM, Johor Bahru

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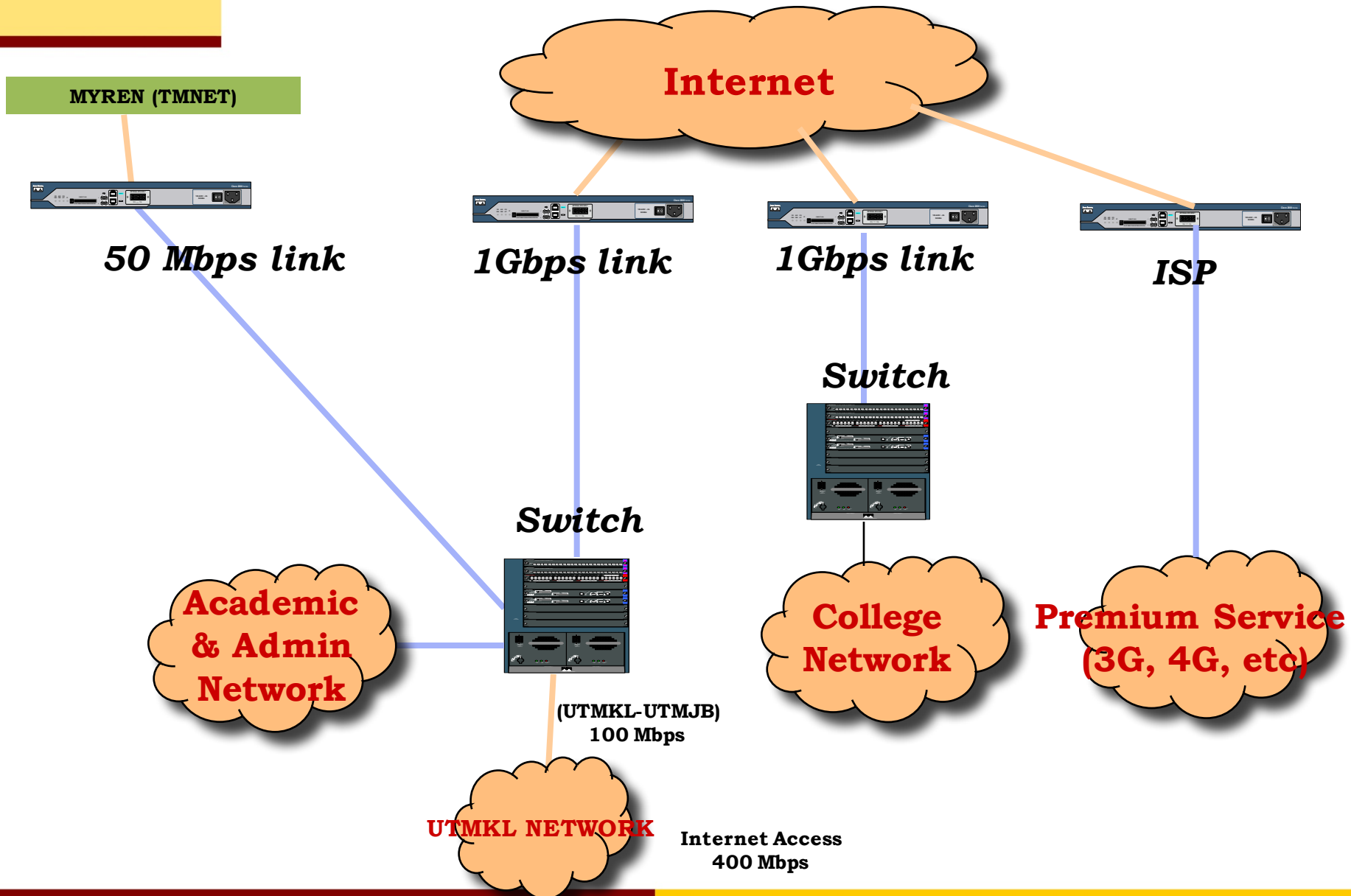
# Presentation Outline

- UTM network infrastructure
- UTM College Network Infrastructure
- YES@UTM WiFi by YTLC
- YES@UTM WiFi Features
- Issues and Challenges (usage pattern)
- Acceptable User Policy (AUP)

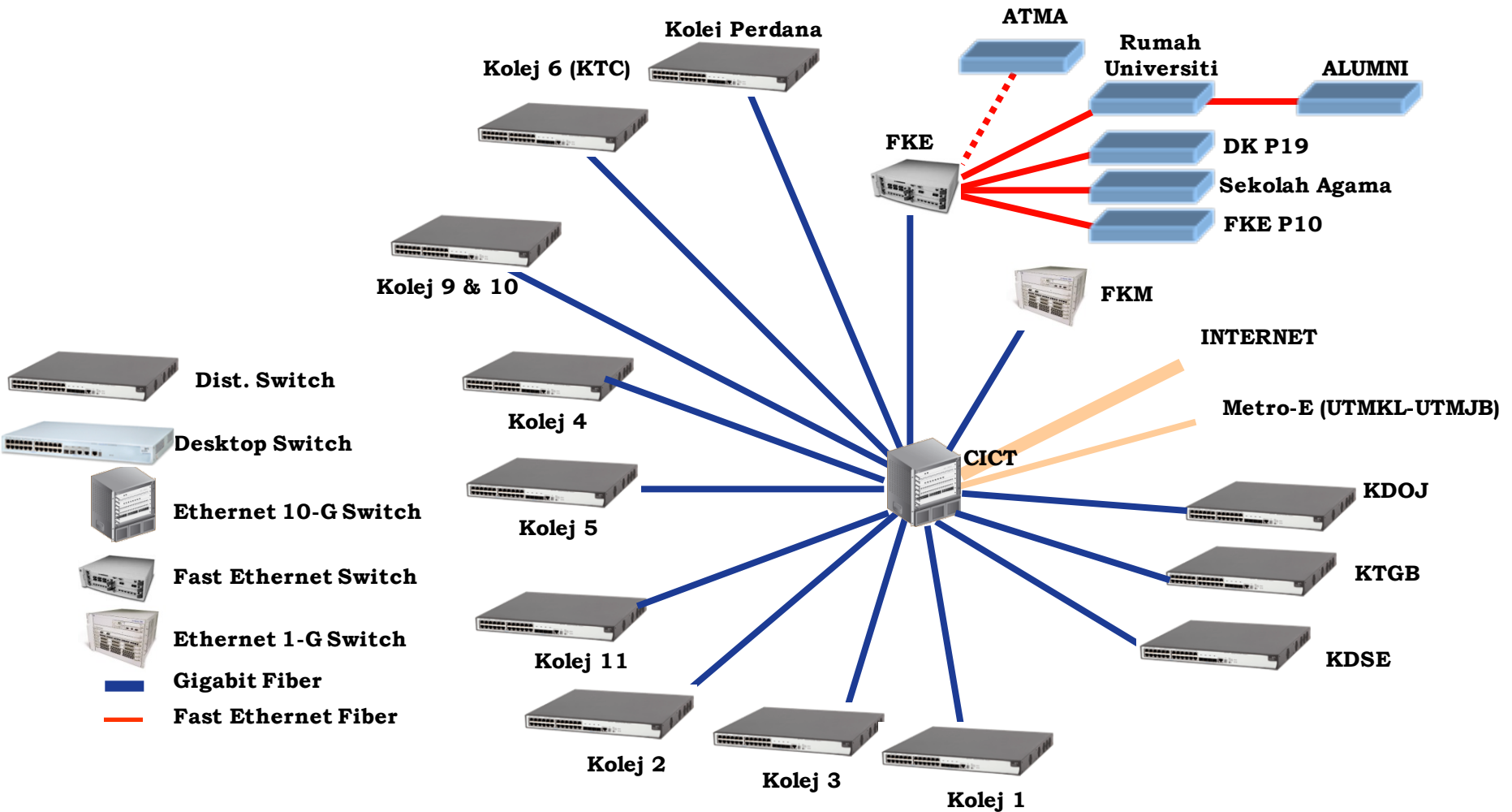
# UTM Network Infrastructure

- Admin/Academic Network
  - *Mostly wired in Faculties and Admin Offices*
- Colleges network
  - Access to about 20,000 users
  - *Mostly WiFi*
  - *Wired in certain blocks (About 3000 rooms)*
- Premium services
  - *3G (Celcom, DiGi, Maxis, Altel, etc.)*
  - *4G (LTE and WiMax via Celcom, Digi, Altel and Yes)*

# Overall Network Infrastructure



# Network infrastructure for UTM Colleges



# YES@UTM WiFi by YTLC

In August 2013 UTM decided to outsource the management of Residential College Network to YTLC that will:

- Integrate wireless and wired networks
- Guarantee minimum 512 kbps per user/session (good for streaming HD videos)
- Use latest WiFi technology (803.11n)
- Provide 100% coverage to rooms
- Provide dedicated Helpdesk (email, hotline, YES Shop@Arked Meranti)
- Provide faster access to the Internet (1Gbps)
- Leverage on WiMAX technology for hotspots around UTM

# YES@UTM WiFi by YTLC (cont...)

- The number of APs installed are 1244
- The number of 4G YES hotspots are 97
- Phase 1 (completed in Oct. 2013)
  - *College 1 to 6, Hotspot di Kolej 8 hingga 17, PSZ, Padang Kawad, Scholar's Inn, Hutan Rekreasi, 4 pintu masuk UTM, Pusat Latihan XA4, Pusat Kesihatan dan Taman Tropika;*
- Phase 2 (completed in Dec. 2013)
  - *College 9 to 17, Dewan Kuliah (N24, P19, L50)*
- Phase 3 (completed in Dec. 2014)
  - *Wired colleges {KTR (K11), KTHO (L12), KRP (G29-32), Kolej 11 (MA1, MA4-MA7), KP (all blocks), KDOJ (XB2), KTF (H22, H25) KTC (S36, S38, S40, S46, S47)}*

# Features of YES@UTM WiFi network

- Authenticated login (ACID) for access (WiFi and wired):
  - UTM ID and
  - YES ID (can be used via WiFi or 4G dongle)
- 20GBytes/month (for UTMID) quota imposed (Fair Usage Policy) for Internet access
- 512kbps minimum internet access & unlimited intranet access
- 1Gbps dedicated link exclusive for Residential College Network



# YES@UTM User IDs

Below table details the various combinations of connectivity options:

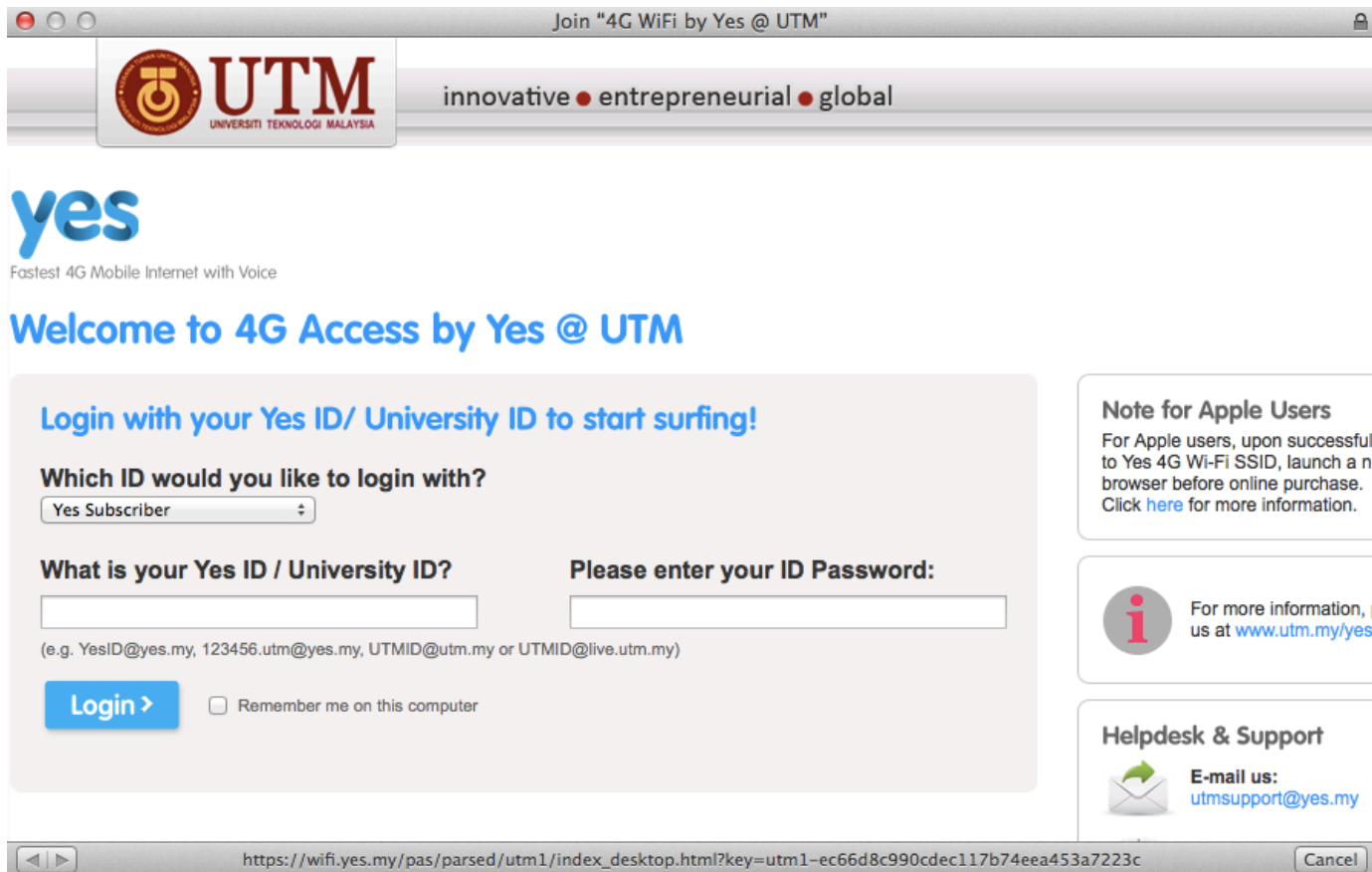
			UTM ID		Yes ID	
			Tonnage Quota	Price	Tonnage Quota	Price
In Campus	Yes 4G Hotspot	Internet	3 GB per user per month	Free	Chargeable Premium Service	
		Intranet	Unlimited	Free	Unlimited	Free
	Yes 4G Network	Internet	Not Applicable	Not Applicable	Chargeable Premium Service	
		Intranet	Not Applicable	Not Applicable	Unlimited	Free
Off Campus	Yes 4G Network / Hotspot (Nationwide)	Internet	UTM ID cannot be used outside the campus to connect to either Yes 4G Network or Yes 4G Hotspots		Chargeable Premium Service*	
	Intranet					

**20 GB** quota per month per user (for now)


# YES@UTM WiFi Access Point



# Landing Page for YES@UTM WiFi



Join "4G WiFi by Yes @ UTM"

 **UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

innovative • entrepreneurial • global

**yes**  
Fastest 4G Mobile Internet with Voice

## Welcome to 4G Access by Yes @ UTM

**Login with your Yes ID/ University ID to start surfing!**

Which ID would you like to login with?


What is your Yes ID / University ID?


Please enter your ID Password:

(e.g. YesID@yes.my, 123456.utm@yes.my, UTMID@utm.my or UTMID@live.utm.my)

Remember me on this computer

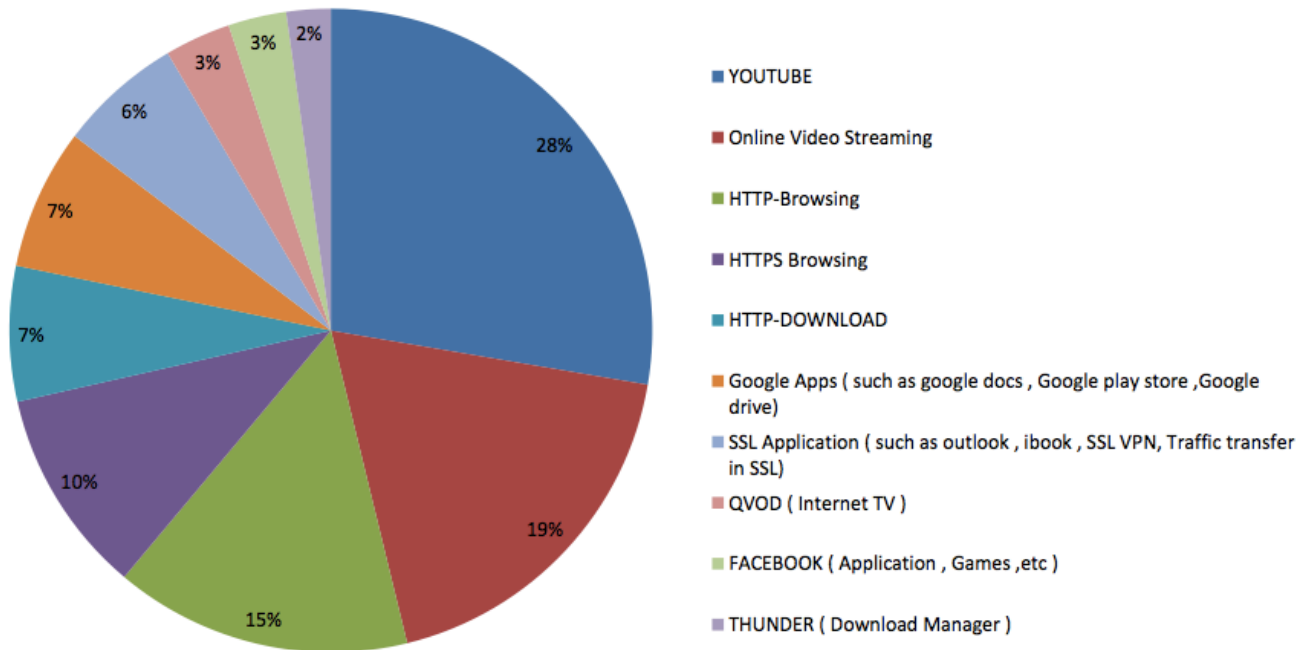
**Note for Apple Users**  
For Apple users, upon successful login to Yes 4G Wi-Fi SSID, launch a new browser before online purchase. Click [here](#) for more information.

 For more information, please contact us at [www.utm.my/yes](http://www.utm.my/yes)

**Helpdesk & Support**  
 **E-mail us:**  
[utmsupport@yes.my](mailto:utmsupport@yes.my)

[https://wifi.yes.my/pas/parsed/utm1/index\\_desktop.html?key=utm1-ec66d8c990cdec117b74eea453a7223c](https://wifi.yes.my/pas/parsed/utm1/index_desktop.html?key=utm1-ec66d8c990cdec117b74eea453a7223c)

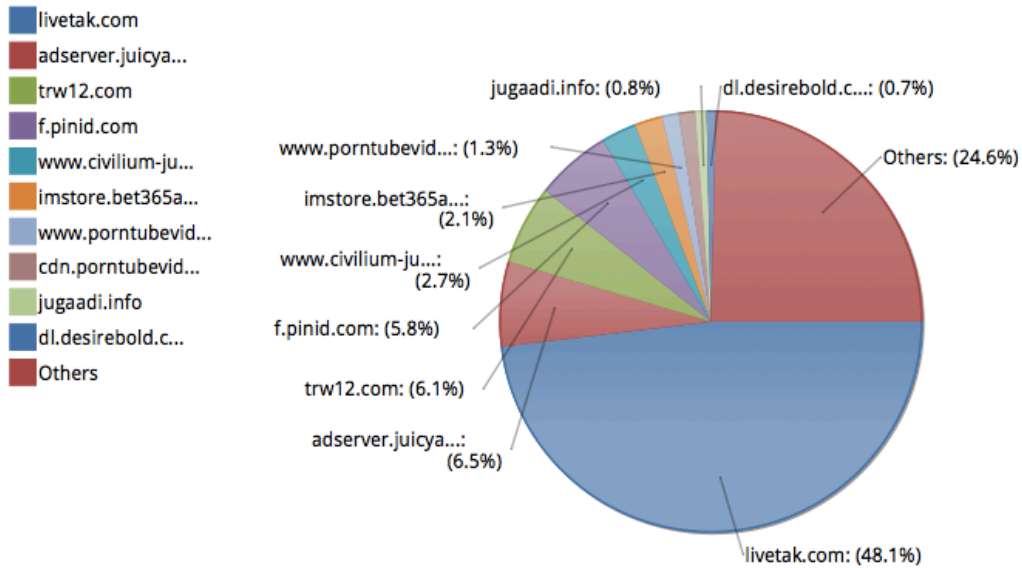
# Usage Pattern (top 10 applications)



54% for video streaming  
25% for browsing  
3% for Facebook

# Usage pattern (Blocked Sites)

URL Ranking



URL Ranking				
	Website Browsing	Application Type	Counts	Percent
1	livetak.com	Anonymizers	34014	48.1%
2	adserver.juicyads.com	Pornography/Sexually Explicit	4562	6.5%
3	trw12.com	Pornography/Sexually	4314	6.1%

# Example of over-quota usage

	A	B	C
1	Band	userName	Usage ( GB )
2	> 50G	[REDACTED]8@live.utm.my	218.24615
3	> 50G	[REDACTED]4@live.utm.my	215.47267
4	> 50G	[REDACTED]6@live.utm.my	199.85018
5	> 50G	[REDACTED]3@live.utm.my	192.28972
6	> 50G	[REDACTED]9@live.utm.my	181.68045
7	> 50G	[REDACTED]4@live.utm.my	173.26764
8	> 50G	[REDACTED]3@live.utm.my	171.87298
9	> 50G	[REDACTED]3@live.utm.my	171.45099
10	> 50G	[REDACTED]2@live.utm.my	165.71662

# UTM WiFi Acceptable Usage Policy

1. The service provided is a privilege and not a right. All students, staff and guests are expected to **practice responsible computing and internet accessing** and to adhere to UTM ICT Policy when accessing UTM WiFi network.
2. User are required to **comply with Malaysian copyright law** and the copyright policy of UTM. Copying, downloading or electronic transferring of copyright materials without proper authorization is prohibited.
3. Since the WiFi UTM network capacity is limited, **any misuse or abuse of the network services** and facilities that constitutes a violation of UTM ICT Policy could result in disciplinary procedures through UTM Legal Office.

# UTM WiFi Acceptable Usage Policy

4. To ensure fair usage and access to the WiFi UTM network service, the quota for Internet usage per user (based on UTM ID) is limited to a **maximum of 20GB per month per device** (computer, laptop, smart phone, etc).
5. The access and use of WiFi UTM is controlled by the **ACID authentication**. Each user is responsible for all activity conducted under his/her own login credential. It is the users responsibility to prevent unauthorized and/or abuse use of their IDs by others.
6. The WiFi UTM network connection may be **subject to monitoring for security, legal or troubleshooting purposes** by the Office of CICT, UTM. This may include monitoring for bandwidth and quota usage, security related incident, or a request from law enforcement authorities.



# UTM-YES 4G Dongle

- **ONLINE APPLICATION**
- Starting from **28-DEC-2014**
- <http://its.utm.my/yes4g/>



## **PROSEDUR PERMOHONAN DONGLE UTM-YES 4G** ***APPLICATION PROCEDURE FOR UTM-YES 4G DONGLE***

- Permohonan hendaklah dikemukakan secara on-line bermula : **28-DEC-2014**  
*Applications must be submitted through online starting : 28-DEC-2014*
- Kelulusan adalah tertakluk kepada garis panduan yg ditetapkan oleh pihak UTM.  
*Applications are subject to approval by UTM based on certain guidelines.*
- Pelajar dikehendaki membayar deposit sebanyak RM50.00 setelah permohonan diluluskan.  
*Students are required to pay a RM50.00 deposit after application has been approved.*
- Pelajar boleh menggunakan dongle sehingga tamat pengajian.  
*Students can use the dongle until completion of study.*
- Pelajar dikehendaki memulangkan semula dongle setelah tamat pengajian.  
*Students are required to return the dongle after completion of study*

## PROSEDUR PERMOHONAN DONGLE UTM-YES 4G *APPLICATION PROCEDURE FOR UTM-YES 4G DONGLE*

- Pakej ini adalah ditawarkan oleh Yes EPP (Education Partner Program) untuk pelajar dengan kuota percuma 300MB sebulan ditambah 1GB untuk Mobile Private Local Network (MPLN) terhad kepada akaun terpilih. Maklumat lanjut sila layari [www.yes.my/v3/students/what-is-epp.do](http://www.yes.my/v3/students/what-is-epp.do)
- *This package is offered by Yes EPP (Education Partner Program) for students with a free quota of 300MB per month plus additional 1GB quota for MPLN limited to certain number of accounts. For more information please visit [www.yes.my/v3/students/what-is-epp.do](http://www.yes.my/v3/students/what-is-epp.do)*
- Sebarang pertanyaan sila emel / *For further enquiries, please email : [utmyes4Gdongle@live.utm.my](mailto:utmyes4Gdongle@live.utm.my)*

# Thank You

Helpdesk will handled by YTLC  
Contact no: **018 333 0003** (*voice &  
SMS*)

Email: [utmsupport@yes.my](mailto:utmsupport@yes.my)

CICT will facilitates  
CT Helpdesk at Level 1, Block D07  
aduit@utm.my  
07-5532136