



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# Information and Communications Technology Indicators Bulletin

March 2018 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

## Indicators in Brief

Data item	Unit	Jan - Mar 2017	Oct - Dec 2017	Jan - Mar 2018	Quarterly Growth Rate(%)	Annual Growth Rate(%)
<b>ICT Sector:Infrastructure Indicators</b>						
Mobile Subscriptions	Million	99.91	101.27	99.13	-2.11	-0.78
Mobile Penetration *	%	111.61	111.64	108.82	-2.83	-2.80
Fixed Line Subscriptions	Million	6.22	6.60	7.24	9.60	16.47
Fixed Line Penetration *	%	7.23	6.90	7.64	0.74	0.41
Mobile Internet Subscriptions	Million	28.65	32.76	32.79	0.09	14.45
USB Modem Subscriptions	Million	3.28	3.27	3.26	-0.30	-0.52
ADSL Subscribers	Million	4.44	4.95	5.20	4.94	17.1
International Internet Bandwidth	Gbps	1,204.14	1,536.12	1,958.59	27.50	62.65
Number of Post Offices	Post office	3938	3946	3953	0.18	0.38
<b>ICT Sector's Role in Development</b>						
Capacity Building Program Provided by ITIDA	Thousand Graduates	20.64	21.90	22.22	1.46	7.66

\* Growth rates are calculated as the difference between penetration rates in different time intervals.

■ The number of internet users reached 37.9 million users with 44.3% penetration rate according to ICT access and use by households and individuals 2017/2018

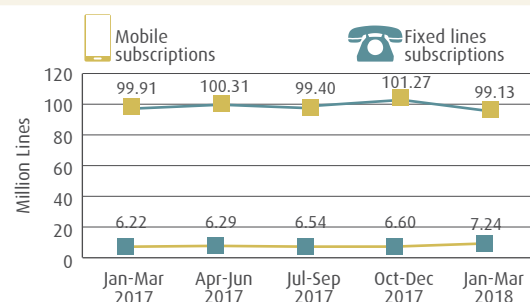
## ICT Sector's Infrastructure Indicators

- Mobile subscriptions (January-March 2018): 99.13 million
- Mobile penetration (January-March 2018): 108.82%
- Fixed line subscriptions (January-March 2018): 7.24 million
- Fixed line subscriptions in urban areas (January-March 2018): 5.65 million, rural areas 1.59 million
- Internet users through mobile (January-March 2018): 32.79 million
- USB Modem users (January-March 2018): 3.26 million users
- ADSL subscribers (January-March 2018): 5.20 million
- International Internet bandwidth (January-March 2018): 1,958.59 Gbps
- Number of post offices (January-March 2018): 3953 Post offices
- Number of beneficiaries of pensions' payment service through post offices (January-March 2018): 6.04 million beneficiary

### Fixed Lines and Mobile Subscriptions

■ The number of fixed lines and mobile subscriptions was 106.37 million at the end of January-March 2018, compared to 106.13 million at the end of January-March 2017.

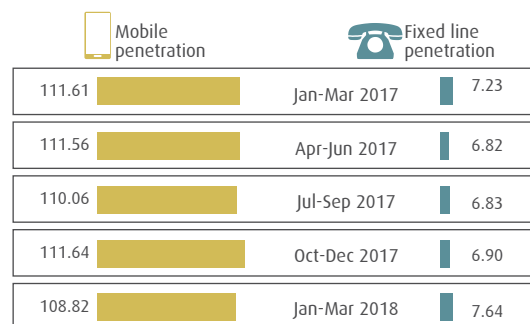
- The number of mobile subscriptions was 99.13 million at the end of January-March 2018, compared to 99.91 million at the end of January-March 2017. The mobile subscriptions recorded 93% of total telephone service.



Source: Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

### Fixed Line and Mobile Penetration

■ Mobile penetration reached 108.82% at the end of January-March 2018, compared to 111.61% at the end of January-March 2017, representing an annual change rate of -2.80%. On the other hand, fixed line penetration reached about 7.64% by the end of January-March 2018.

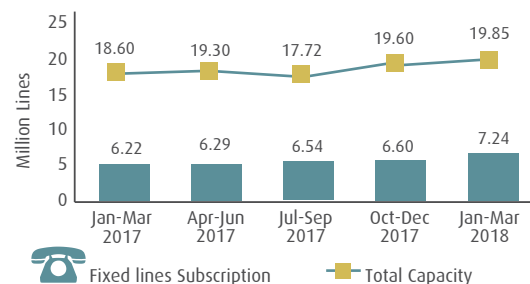


Source: Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

### Fixed Lines Subscription and Local Exchange Capacity

■ Total number of fixed line subscriptions has reached 7.24 million subscriptions at the end of January-March 2018 compared to 6.22 million subscriptions at the end of January-March 2017.

- The capacity of local exchanges increased to 19.85 million lines at the end of January-March 2018, compared to 18.60 million at the end of January-March 2017. This represents an annual change of 1.25 million lines and an annual change rate of 6.72%.



Source: Ministry of Communications and Information Technology, Telecom Egypt

### Fixed Lines Subscription (Urban-rural)

- The Number of fixed line subscribers in urban areas reached 5.65 million subscribers by the end of January-March 2018, compared to 5.14 million subscribers by the end of January-March 2017, while the Number of fixed line subscribers in rural areas reached 1.59 million subscribers by the end of January-March 2018, compared to 1.08 million subscribers by the end of January-March 2017.

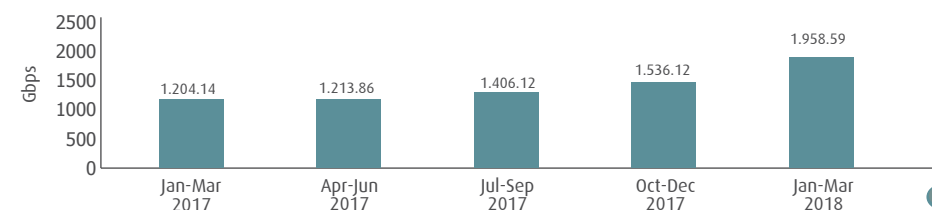
Urban	Rural
5.14	1.08
5.02	1.27
5.22	1.32
5.16	1.45
5.65	1.59

Source: Ministry of Communications and Information Technology, Telecom Egypt.



### International Internet Bandwidth

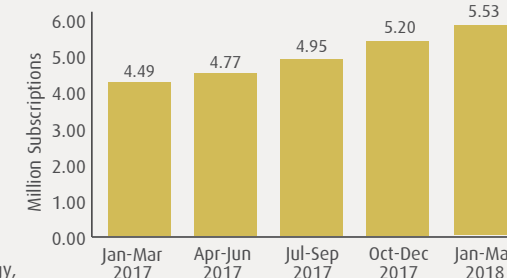
- International Internet bandwidth increased to 1,958.59 Gbps at the end of January-March 2018 compared to 1,204.14 Gbps at the end of January-March 2017 representing an annual growth rate of 62.65%.
- The international internet bandwidth per inhabitants reached 21498.7 bit/sec per person at the end of January-March 2018, compared to 13451.6 bit/sec per person at the end of January-March 2017 with an annual growth rate of 59.82%.



Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

### ADSL Subscriptions

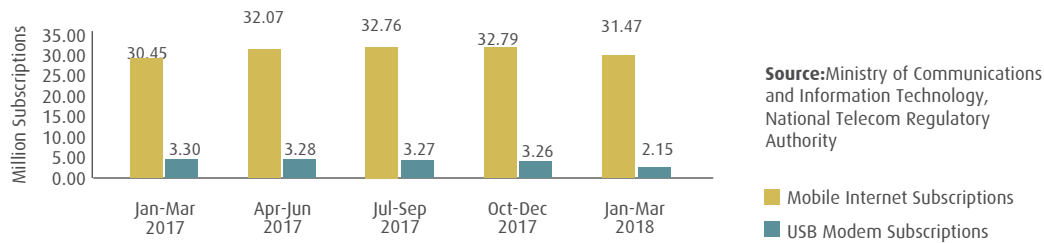
- The number of ADSL subscriptions reached 5.53 million subscriptions by the end of January-March 2018 compared to 4.49 million subscriptions at the end of January-March 2017, with an annual change 1.05 million and annual change rate 23.3 %.



Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

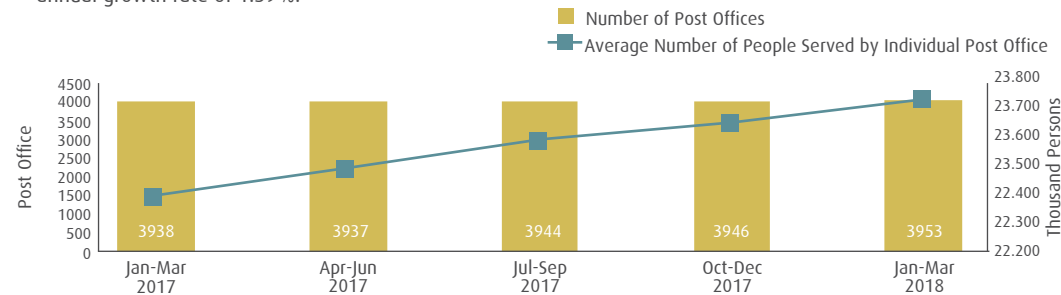
## Mobile Internet and USB Modem Subscriptions

- The number of mobile internet subscriptions reached 31.47 million subscriptions by the end of January-March 2018 compared to 30.45 million subscriptions at the end of January-March 2017.
- The number of USB modem subscriptions reached 2.15 million subscriptions by the end of January-March 2018, compared to 3.30 million subscriptions at the end of January-March 2017.



## Post Offices

- The total number of post offices increased to 3953 at the end of January-March 2018, compared to 3938 at the end of January-March 2017, reflecting an annual growth rate of 0.38%.
- The average number of people served by individual post offices was 23,047 thousand persons at the end of January-March 2018, compared to 22,731 thousand persons at the end of January-March 2017, representing an annual growth rate of 1.39%.



## Number of Pensions Distributed through Postal Offices

- Number of beneficiaries of pensions distributed through postal offices has increased to about 6.04 million beneficiaries in January-March 2018, compared to 5.32 million beneficiaries in January-March 2017.

Period	Million beneficiaries
Jan-Mar 2017	5.32
Apr-Jun 2017	5.45
Jul-Sep 2017	5.53
Oct-Dec 2017	6.04
Jan-Mar 2018	6.04

Source: Ministry of Communications and Information Technology, Egypt Post

## Value of Pensions Distributed through Postal Offices

- The value of pensions distributed through postal offices reached 6.153 Billion EGP in January-March 2018, compared to 5.097 Billion EGP in January-March 2017.

Period	Value (Billion EGP)
Jan-Mar 2017	5.097
Apr-Jun 2017	5.063
Jul-Sep 2017	5.802
Oct-Dec 2017	6.205
Jan-Mar 2018	6.153

Source: Ministry of Communications and Information Technology, Egypt Post

## Number of Newly Established ICT Companies and Issued Capital

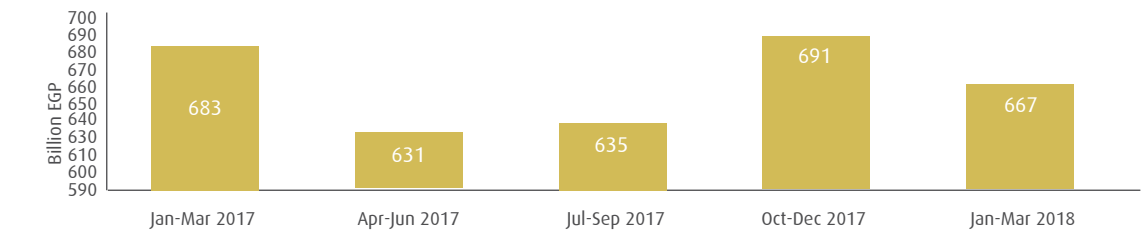
- Number of newly established ICT companies reached 357 companies in January-March 2018, compared to 121 companies in January-March 2017.
- Number of issued capital of newly established ICT companies reached 326.66 million EGP in January-March 2018, compared to 183.77 million EGP in January-March 2017.

Category	Unit	March 2018
Total number of newly established ICT companies	Companies	357
Total number of issued capital of newly established ICT companies	Million EGP	326.66

Source: Ministry of Investment, General Authority for Investment and Free Zones.

## Egypt's Stock Exchange Telecommunications Index

- The telecommunications index in Egypt's stock exchange reached 667 points during January-March 2018, compared to 683 points during January-March 2017.



This index includes three companies operating in the ICT Sector and listed in Egypt Stock Exchange. These companies are: Telecom Egypt, Global Telecom Holding and Orascom Telecom Media and Technology Holding.

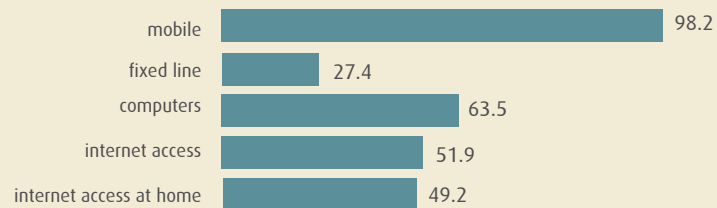
Source: The Egyptian Exchange

# The ICT Sector's Role in Development

- Proportion of households using computer: 63.5%
- Proportion of individuals using Internet from their homes: 94.2%
- Proportion of individuals using Internet for communicating with others through social networks such as Twitter- Facebook: 75.8%
- Proportion of individuals using Internet on daily basis: 64.3%
- Proportion of individuals using cell phones in phone calls: 88.6%
- Proportion of males using Internet: 48.1% while the proportion of females using Internet: 40.3%
- Number of graduates to receive software training by ITIDA till March 2018: 22.22 thousand trainees
- Number of graduates of ITI till December 2017: 11.54 thousand trainees

## Infrastructure for Use of Communications and Information Technology in Egyptian Household

- The proportion of households with a cell phone is about 97.9%, while 19.1% of households have a fixed line. 62.7% of households use computers, 49.5% of households with Internet access, and 46.4% with Internet access at home.



Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## Internet Access at Homes by Type of Access Mode

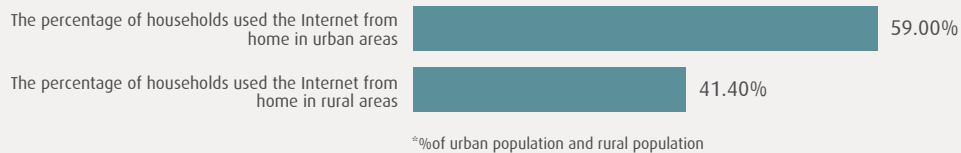
- The proportion of households with Internet access at homes using fixed broadband is 100%, while 63.9% of households using mobile broadband.



Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## Use of Internet from Homes (Rural and Urban Areas)

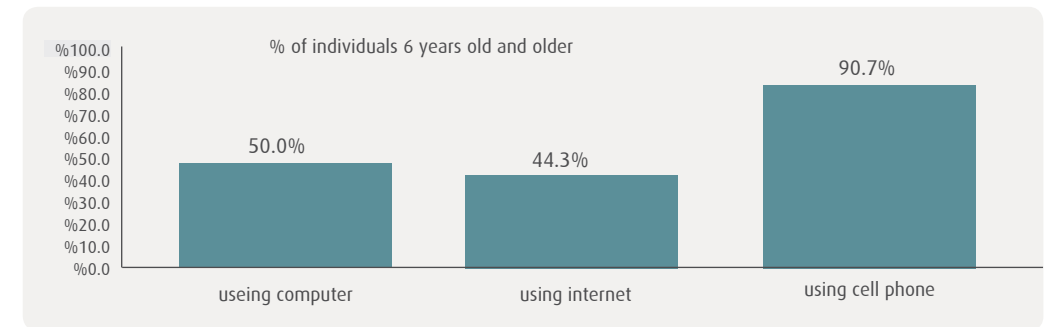
- The percentage of households using the Internet from homes in urban 59%, while the proportion of household in rural areas 41.4%



Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## ICT Usage by Individuals

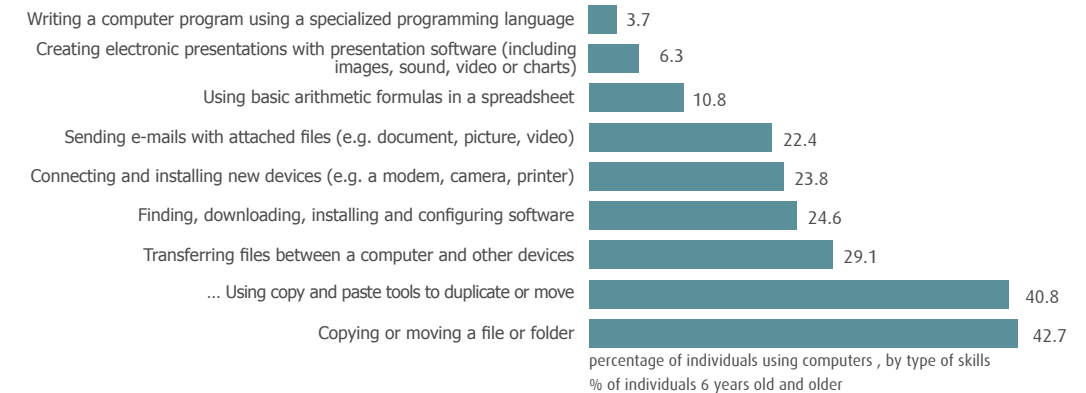
- The proportion of individuals using computers is 50%, while the proportion of individuals using the Internet is 44.3%, and 90.7% of individuals are using cell phone.



Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## Computers and Smart Phones Skills by Individuals

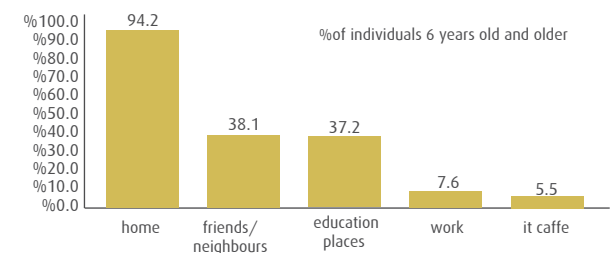
- By measuring the ICT skills for household's individuals, the basic skills were in the first place (copying or moving a file or folder) 42.7% & (using copy and paste tools to duplicate or move information within a document) 40.8%, followed by (transferring files between a computer and other devices) 29.1%, (finding, downloading, installing and configuring software) 24.6%, (connecting and installing new devices (e.g. a modem, camera, printer) 23.8% & (sending e-mails with attached files (e.g. document, picture, video) 22.4%. In the last rank were advanced skills (using basic arithmetic formulas in a spreadsheet) 10.8 %, (creating electronic presentations with presentation software (including images, sound, video or charts) 6.3% & (writing a computer program using a specialized programming language) 3.7%.



Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## Individuals Using Internet by Place of Access

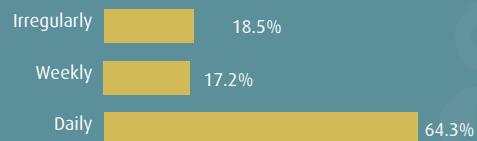
- The proportion of individuals who access the Internet at home is 94.2%, while the proportion of individuals who access the Internet from (friends/neighbors) is 24.8%, and 17.9% of those who access the Internet at educational places.



Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## Periodicity of Using the Internet by Individuals

- Around 64.3% of individuals using Internet daily, while 17.2 % using Internet weekly and 18.5% using Internet irregularly.

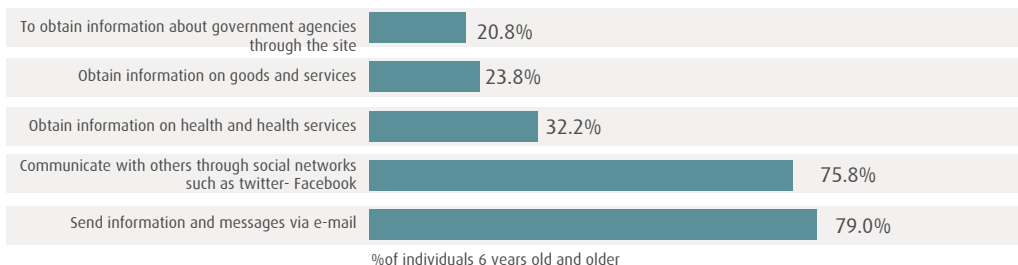


### % of individuals using internet

Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2018-2017, which included 15000 households.

## Activities Undertaken by Individuals Using Internet

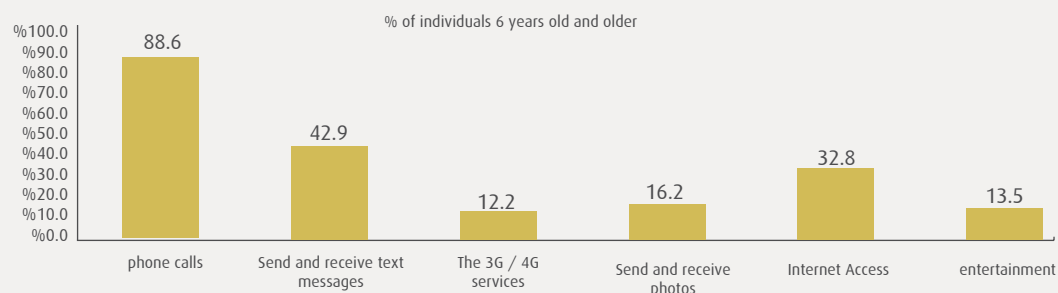
- The proportion of households who use Internet in communicating with others through social networks such as Twitter- Facebook is 75.8%, while the proportion of households who use Internet in sending information and messages via e-mails is 79%, for obtaining information on health and health services is 32.2%, for obtaining information on goods and services 23.8 %, and for obtaining information about government agencies through the site 20.8 %.



Source: "Survey of ICT Usage by Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016/2017.

## Activities Undertaken by Individuals using Mobiles

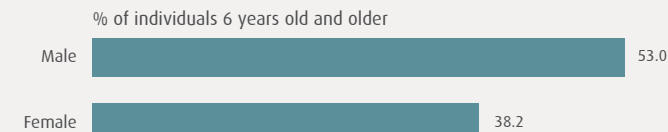
- The proportion of individuals using cell phones in phone calls is 88.6%, while the proportion of those who use it in sending and receiving text messages is 42.9%, and for Internet access is 23.8 %.



\*Source: "Survey of ICT usage for households and individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) 2017-2018, which included 15000 households.

## Computer Usage by Gender

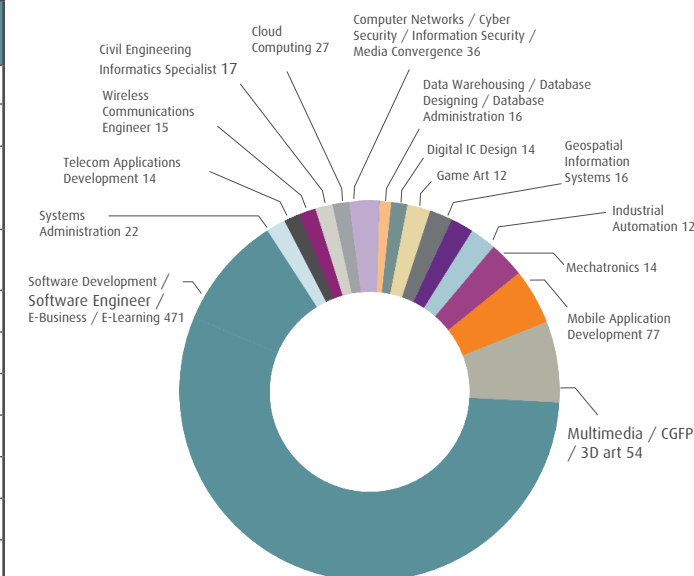
- The proportion of male using computers is 53%, while the proportion of females using computers is 46.8%



\*Source: "Survey of ICT Usage by Households and Individuals", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2016/2017.

## Capacity Building Program Provided by Information Technology Institute (ITI)

Training Track	2017
Civil Engineering Informatics Specialist	17
Cloud Computing	27
Computer Networks / Cyber Security / Information Security / Media Convergence	36
Data Warehousing / Database Designing / Database Administration	16
Digital IC Design	14
Game Art	12
Game Development	12
Geospatial Information Systems	16
Industrial Automation	12
Mechatronics	14
Mobile Application Development	77
Multimedia / CGFP / 3D art	54
Software Development / Software Engineer / E-Business / E-Learning	471
Systems Administration	22
Telecom Applications Development	14
Wireless Communications Engineer	15
<b>Total</b>	<b>829</b>



Source: Ministry of Communications and Information Technology- Information Technology Institute

\*According to the latest figures.

## ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 99.13 million in January-March 2018, compared to 99.91 million in January-March 2017, representing an annual change rate of -0.78%
- Mobile penetration reached 108.82% in January-March 2018, compared to 111.61% in January-March 2017, representing an annual change rate of -2.80%
- Mobile Internet subscriptions reached 32.79 million in January-March 2018, compared to 28.65 million in January-March 2017, representing an annual change rate of 14.45 %
- USB Modem subscriptions reached 3.26 million in January-March 2018 compared to 3.28 million in January-March 2017, representing an annual change rate of -0.30 %
- ADSL subscribers increased to 5.20 million in January-March 2018, compared to 4.44 million in January-March 2017, representing an annual change rate of 17.1%

## ICT Sectors Role in Development

- The percentage of households with Internet access at homes reached 51.9%, while the percentage of households with mobile broadband reached 63.9%
- The percentage of individuals using Internet for sending and receiving emails reached 79% and 32.2% getting information about health and health services
- The percentage of individuals using the Internet weekly reached 17.2%, while of individuals using the Internet irregularly is 18.5%
- The number of ITI graduates to receive software training till January-March 2018 reached 11.54 thousand trainees
- The number of graduates to receive software training till January-March 2018: 22.22 thousands graduates