



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# Information and Communications Technology Indicators Bulletin

September 2018 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

## Indicators in Brief

Data item	Unit	Jul - Sep 2017	Apr - June 2018	Jul - Sept 2018	Quarterly Growth Rate(%)	Annual Growth Rate(%)
<b>ICT Sector:Infrastructure Indicators</b>						
Mobile Subscriptions	Million	99.40	95.73	94.59	-1.20	-4.84
Mobile Penetration *	%	110.06	104.63	102.93	-1.70	-7.13
Fixed Line Subscriptions	Million	6.54	7.40	7.59	2.52	16.07
Fixed Line Penetration *	%	6.83	7.62	7.61	-0.01	0.78
Mobile Internet Subscriptions	Million	32.76	32.81	33.34	1.63	1.76
USB Modem Subscriptions	Million	3.27	3.48	3.36	-3.55	2.52
ADSL Subscribers	Million	4.95	5.82	6.21	6.58	25.3
International Internet Bandwidth	Gbps	1,406.12	1,906.35	2,347.74	23.15	66.97
Number of Post Offices	Post office	3944	3958	3967	0.23	0.58
<b>ICT Sector's Role in Development</b>						
Capacity Building Program Provided by ITIDA	Thousand Graduates	21.65	22.37	22.73	1.61	4.99

\* 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

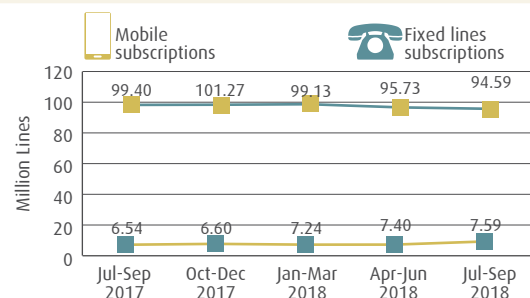
## ICT Sector's Infrastructure Indicators

- Mobile subscriptions (July - September 2018) : 94.59 million
- Mobile penetration (July - September 2018) : 102.93%
- Fixed line subscriptions (July - September 2018): 7.59 million
- Fixed line subscriptions in urban areas(July - September 2018) : 5.99 million, rural areas 1.60 million.
- Internet users through mobile(July - September 2018): 33.34 million .
- USB Modem users(July - September 2018) : 3.36 million users.
- ADSL subscribers (July - September 2018) : 6.21 million.
- International Internet bandwidth (July - September 2018):2,347.74 Gbps.
- Number of post offices (July - September 2018): 3967 Post offices.
- Number of Beneficiaries of Pensions' Payment Service through post offices(July - September 2018) : 5.83 million beneficiary

### Fixed Lines and Mobile Subscriptions

■ The number of fixed line and mobile subscriptions was 102.18 million at the end of July - September 2018, compared to 105.93 million at the end of July - September 2017.

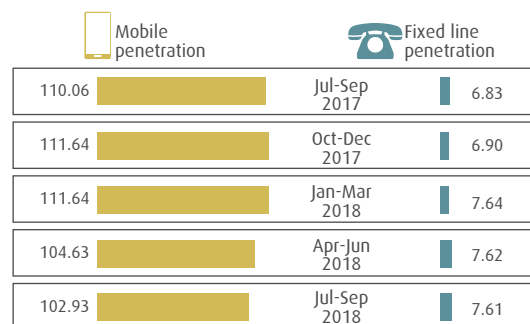
- The number of mobile subscriptions was 94.59 million at the end of July - September 2018, compared to 99.40 million at the end of July - September 2017. The mobile subscriptions recorded 93% of total telephone service.



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

### Fixed Line and Mobile Penetration

■ Mobile penetration reached 102.93% at the end of July - September 2018, compared to 110.06% at the end of July - September 2017, representing an annual change rate of -7.13% . On the other hand, fixed line penetration reached about 7.61% by the end of July - September 2018.

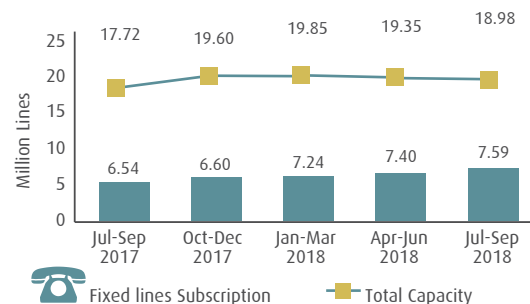


Source: Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

### Fixed Lines Subscription and Local Exchange Capacity

■ Total number of fixed line subscriptions has reached 7.59 million subscriptions at the end of July - September 2018 compared to 6.54 million subscriptions at the end of July - September 2017.

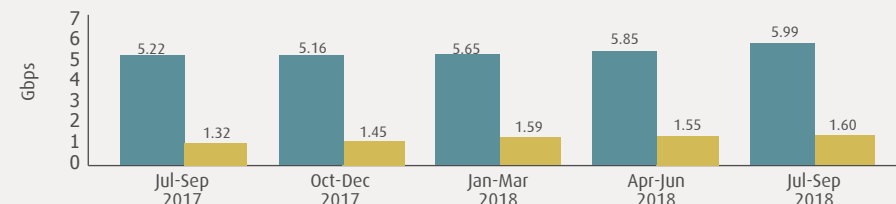
■ The capacity of local exchanges increased to 18.98 million lines at the end of July - September 2018, compared to 17.72 million at the end of July - September 2017. This represents an annual change of 1.26 million lines and an annual change rate of 7.09%.



Source: Ministry of Communications and Information Technology, Telecom Egypt

### Fixed Lines Subscription (Urban - Rural)

■ The Number of fixed line subscribers in urban areas reached 5.99 million subscribers by the end of July - September 2018 compared to 5.22 million subscribers by the end of July - September 2017 while the Number of fixed line subscribers in rural areas reached 1.60 million subscribers by the end of July - September 2018 compared to 1.32 million subscribers by the end of July - September 2017



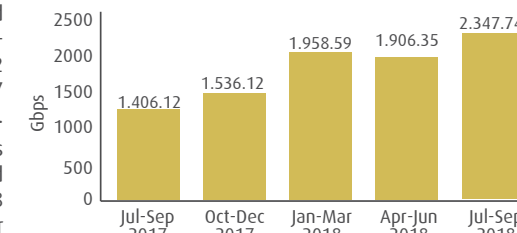
Source: Ministry of Communications and Information Technology, Telecom Egypt



### International Internet Bandwidth

■ International Internet bandwidth increased to 2,347.74 Gbps at the end of July - September 2018 compared to 1,406.12 Gbps at the end of July - September 2017 representing an annual growth rate of 66.97%.

■ The international internet bandwidth per inhabitants reached 2547.79 Bit/sec. per person at the end of July - September 2018 compared to 15569.98 Bit/Sec. per person at the end July - September 2017 with an annual growth rate of 64.08%.

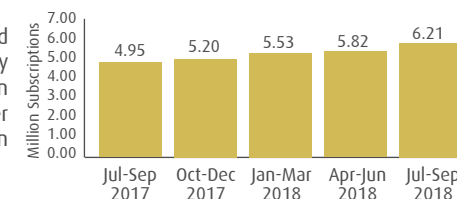


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



### ADSL Subscriptions

■ The number of ADSL subscriptions reached 6.21 Million Subscriptions by the end of July - September 2018 compared to 4.95 Million Subscriptions at the end of July - September 2017 with an annual change 1.25 Million and annual change rate 25.3 %.



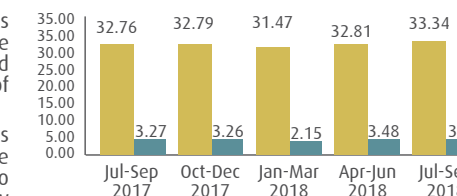
Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



### Mobile Internet and USB Modem Subscriptions

■ The number of mobile internet subscriptions reached 33.34 Million Subscriptions by the end of July - September 2018 compared to 32.76 Million Subscriptions at the end of July - September 2017.

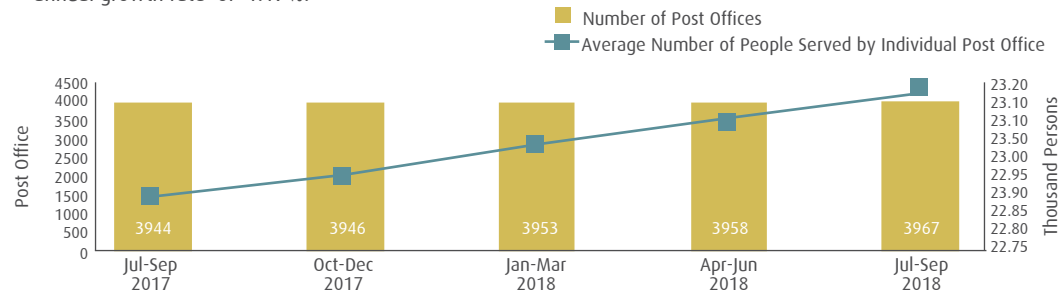
■ The number of USB Modem subscriptions reached 3.36 Million Subscriptions by the end of July - September 2018 compared to 3.27 Million Subscriptions at the end of July - September 2017.



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

■ Mobile Internet Subscriptions  
■ USB Modem Subscriptions

- The total number of post offices increased to 3967 at the end of July - September 2018, compared to 3944 at the end of July - September 2017, reflecting an annual growth rate of 0.58%.
- The average number of people served by individual post offices was 23,165 thousand persons at the end of July - September 2018, compared to 22,898 thousand persons at the end of July - September 2017, representing an annual growth rate of 1.17%.

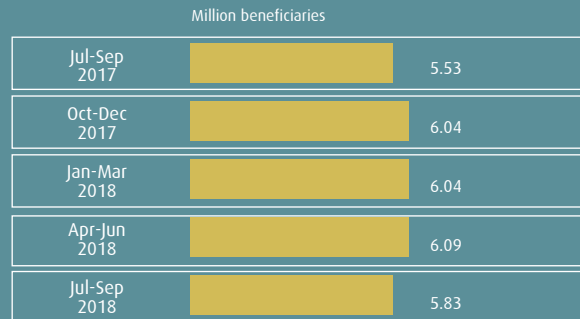


Source: Ministry of Communications and Information Technology, Egypt Post



### Number of Pensions Distributed through Postal Offices

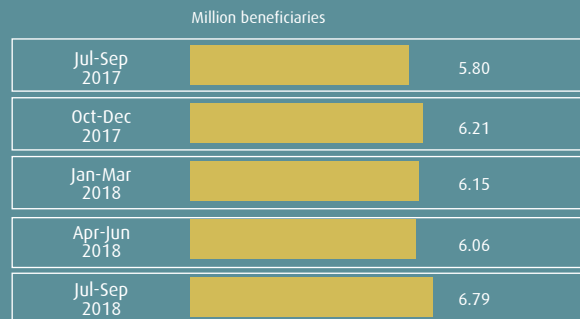
- Number of beneficiaries of pensions distributed through postal offices has increased to about 5.83 million beneficiaries in July - September 2018 compared to 5.53 million beneficiaries in July - September 2017.



Source: Ministry of Communications and Information Technology, Egypt Post

### Number of Pensions Distributed through Postal Offices

- The value of pensions distributed through postal offices reached 6.79 Billion EGP beneficiaries in July - September 2018 compared to 5.802 Billion EGP in July - September 2017.



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 312 companies in July - September 2018 compared to 333 companies in July - September 2017.
- Number of issued capital of newly established ICT companies reached 329.31 Million EGP in July - September 2018 compared to 190.37 Million EGP in July - September 2017.

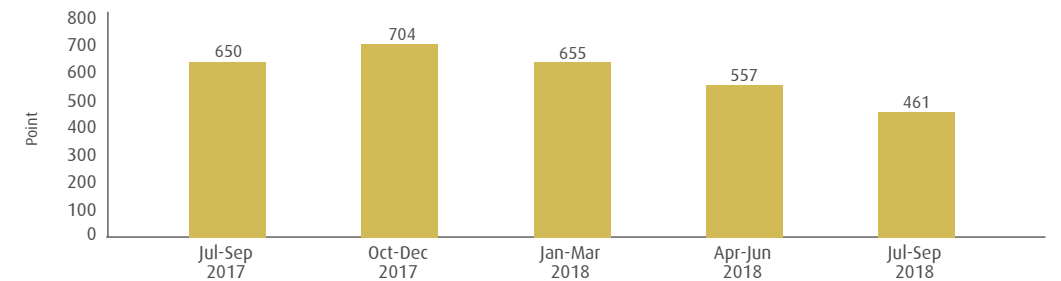
July - September 2018		
Total number of newly established ICT companies	Companies	312
Total number of issued capital of newly established ICT companies	Million EGP	329.31

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 461 points during July - September 2018 compared to 650 points during July - September 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, Orascom Telecom Media And Technology Holding>

\* It is worth mentioning that there are differences between the values shown above and the values previously published due to the Egyptian stock exchange started to publish the monthly value of the index based on the value on the last trading day of the month, while the monthly values published previously were calculated by the Ministry of Communications and Information Technology according to the average of the daily index values during the month.

Source: The Egypt's Exchange.

# The ICT Sector's Role in Development

- Proportion of government sector enterprises having computer: 99.9%.
- Proportion government sector enterprises with LAN :67.1%.
- Proportion government sector enterprises using computer in Office Business 97%,
- Proportion government sector enterprises using internet for sending and receiving email reached about 87.8%.
- Proportion government sector enterprises accessing the internet using (Fixed Broadband) 94.6%.
- Proportion government sector enterprises of government & public-sector enterprises who consider that using ICT has an impact in Saving Time and Financial Resources was 92%.
- Number of graduates to receive software training by ITIDA till March 2018: 22.73 thousand trainees.
- Number of graduates of ITI till September 2017: 12.18 thousand trainees.

## Infrastructure for the use of communications and information technology in government sector enterprises

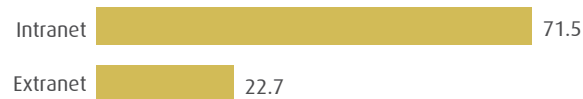
- The percentage of government & public sector enterprises with (fixed telephone) 99.8% ,while with (computer) and (using internet) 99.9 % ,95.3%.



Source: survey of ICT usage in government & public-sector enterprises", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Network Usage in government sector enterprises

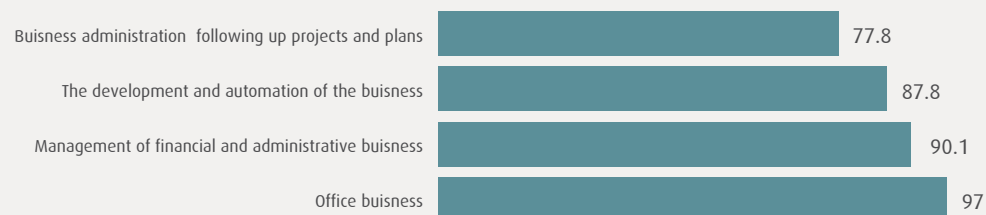
- The percentage of government & public-sector enterprises with (LAN) 76.1%, while government & public sector enterprises that have an (INTRANET) 71.5% and with an (EXTRANET) 22.7%



Source: survey of ICT usage in government & public-sector enterprises", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Computers activities in government sector enterprises

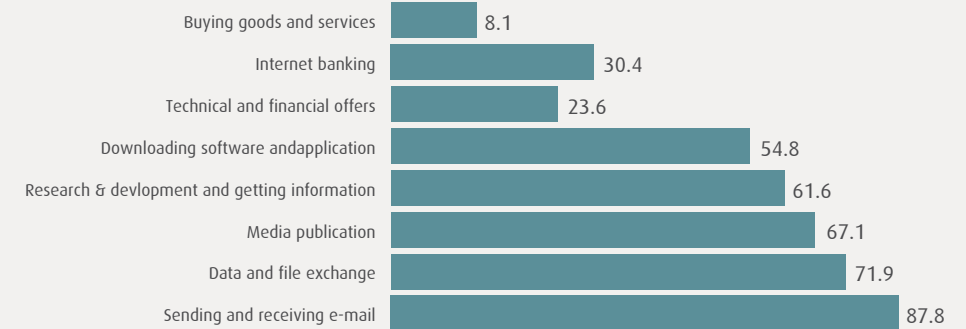
- The percentage of government & public sector enterprises using computer in (Office Business) 97%, followed by (Management of Financial and Administrative Business) 90.1%, while in (Development and Automation of the Business) 87.8%, and in (Business Administration and Following up Projects and Plans) 77.8%



Source: survey of ICT usage in government & public-sector enterprises", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Internet activities in government sector enterprises

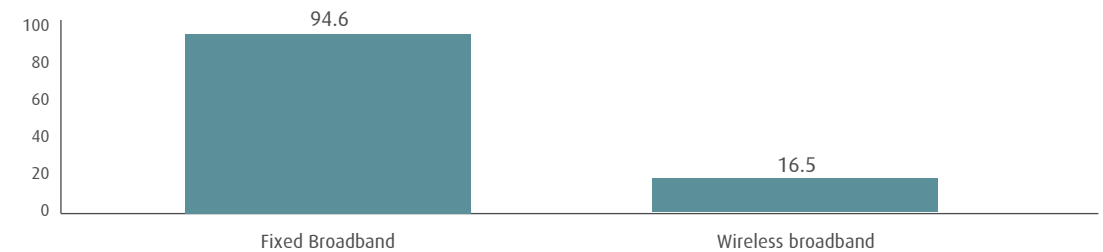
- The percentage of government & public-sector enterprises using the internet in (sending and receiving email) reached about 87.8%. Followed by (Data & files exchange )71.9%, while 67.1% of the enterprises use the internet in (Media Publication) and 8.1% of the enterprises use the internet for (Buying of goods and services).



Source: survey of ICT usage in government & public-sector enterprises", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Government sector enterprises Using Internet according to access mode

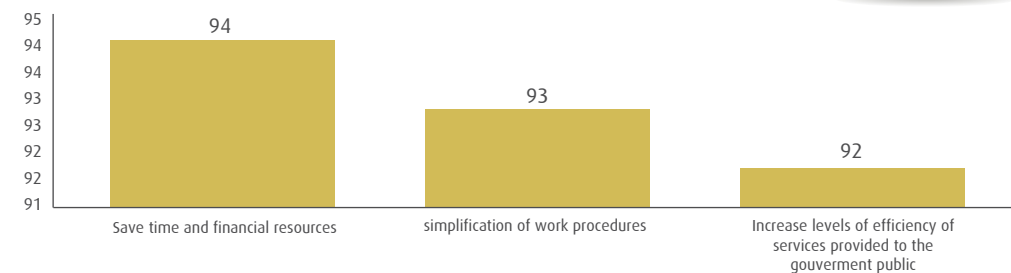
- The percentage of government & public-sector enterprises that access the internet using (Fixed Broadband) 94.6%, while by (Wireless Broadband) 16.5%.



Source: survey of ICT usage in government & public-sector enterprises", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## ICT usage impact on government & public sector

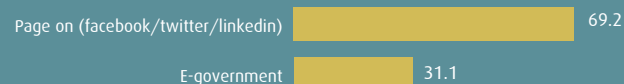
- The percentage of government & public-sector enterprises who consider that using ICT has an impact in (Simplification of Work Procedures) 93%, while in (Increase the Efficiency Levels of Services Provided to Public) and (Saving Time and Financial Resources) was 92%,94% .



Source: survey of ICT usage in government & public-sector enterprises", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Government and public sector enterprises (having website- have page on (Facebook / Twitter / LinkedIn) – providing e-government services)

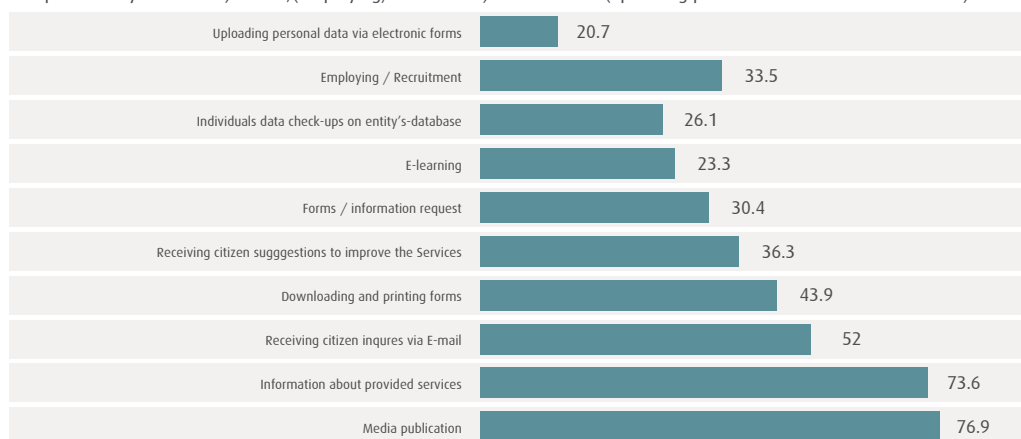
- The percentage of government & public sector enterprises that have page on (Facebook / Twitter / LinkedIn) 69.2% and 31.1% (Providing E-Government Services).



Source: survey of ICT usage in government & public-sector enterprises”, conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Services provided via a website by government & public sector enterprises

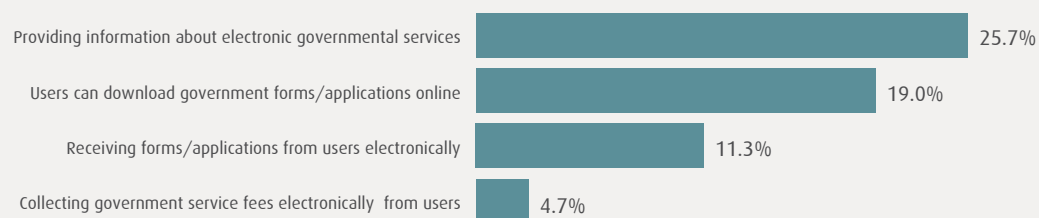
- The percentage of government & public sector enterprises using website to (Media Publication) 76.9%, while in (information about provided services) 73.6%, (receiving citizen inquiries via e-mail) 52%, (downloading and printing forms) 43.9%, (receiving citizens suggestions to improve the services) 36.3%, (forms /information requests) 30.4%, (e-learning) 23.3%, (individual’s data check-ups on entity’s database) 26.1%, (employing/recruitment) 33.5% and in (uploading personal data via electronic forms) 20.7%.



Source: survey of ICT usage in government & public-sector enterprises”, conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## E-Government Services provided by government and public sector enterprises

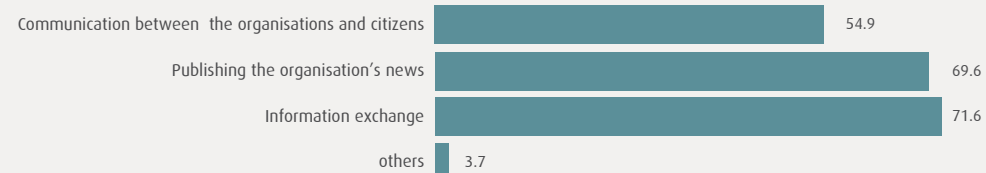
- The percentage of enterprises providing (Providing information about electronic governmental services) 25.7%, followedby (Users can download government forms/applications online) 19%, (Receiving forms/applications from users electronically) 11.3% and (Collecting government service fees electronically from users) 4.7%.



Source: survey of ICT usage in government & public-sector enterprises”, conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Activities undertaken by government & public sector enterprises with page on (face book-LinkedIn-twitter)

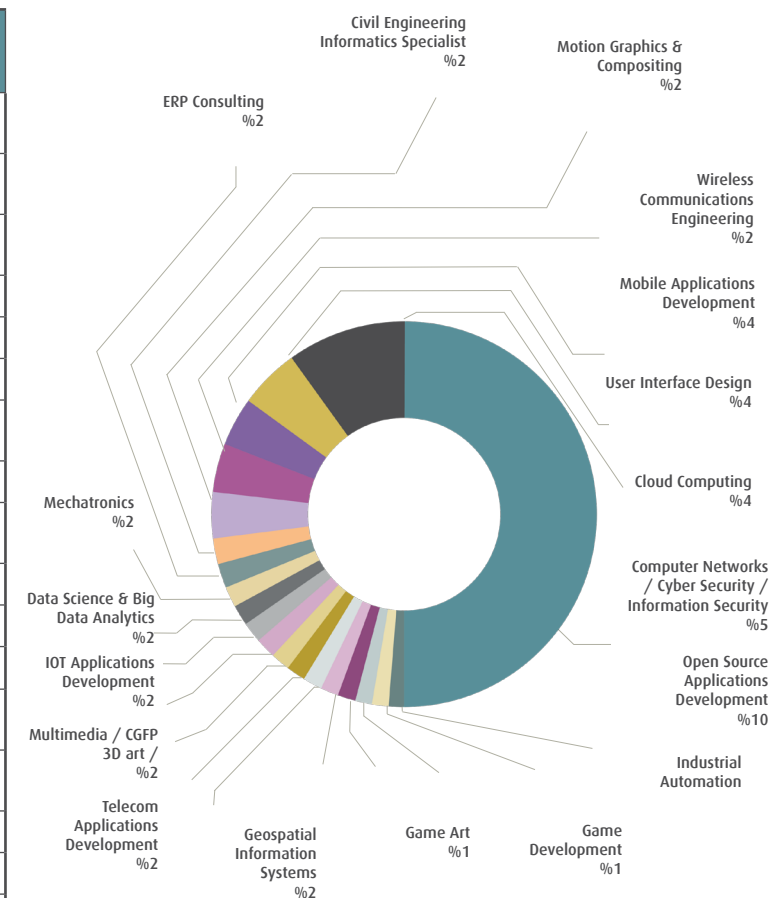
- The percentage of government & public sector enterprises using their page on (face book-LinkedIn-twitter) in (Communication with the citizen) 54.9%, in (Publishing the organization news) 69.6%, (Information exchange) 71.6% and in (Other) activities 3.7%.



Source: survey of ICT usage in government & public-sector enterprises”, conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for government & public Mobilization and Statistics (CAPMAS), 2017-2018.

## Number of graduates of capacity building program provided by Information Technology Institute (ITI)

Training Track	Jul-Sep 2018
Software Development / Software Engineer / E-Business / E-Learning	465
Open Source Applications Development	93
Computer Networks / Cyber Security / Information Security	47
Cloud Computing	38
User Interface Design	38
Mobile Applications Development	36
Wireless Communications Engineering	20
Motion Graphics & Compositing	19
Civil Engineering Informatics Specialist	16
Digital IC Design	16
ERP Consulting	16
Mechatronics	16
Data Science & Big Data Analytics	15
IOT Applications Development	15
Multimedia / CGFP / 3D art	15
Geospatial Information Systems	14
Telecom Applications Development	14
Game Art	13
Game Development	13
Industrial Automation	12
<b>Total</b>	<b>931</b>



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

\*According to the latest figures.

## ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 94.59 million in July - September 2018, compared to 99.40 million in July - September 2017, representing an annual change rate of -4.84%.
- Mobile penetration reached 102.93 % in July - September 2018, compared to 110.06% in July - September 2017, representing an annual change rate of -7.13%.
- Mobile Internet subscriptions reached to 33.34 million in July - September 2018, compared to 32.76 million in July - September 2017, representing an annual change rate of 1.76 %.
- USB Modem subscriptions reached to 3.36 million in July - September 2018 compared to in 3.27 million in July - September 2017 representing an annual change rate of 2.52 %.
- ADSL subscribers increased to 6.21 million in July - September 2018, compared to 4.95 million in July - September 2017, representing an annual change rate of 25.3%.

## ICT Sectors Role in Development

- The percentage of government sector enterprises using internet reached 95.3% while the percentage of government sector enterprises accessing the internet using wireless broadband reached 16.5%.
- The percentage of government sector enterprises Providing information about electronic governmental services reached 25.7%, while the percentage of government sector enterprises availing for users download government forms/applications online) 19%.
- The percentage of government sector enterprises having website and use it for media publishing reached 76.9% while in (information about provided services) 73.6%
- The number of ITI graduates to receive software training till July - September 2018 reached 12.18 Thousand trainees.
- The number of graduates to receive software training till July - September 2018: 22.73 Thousands graduates.