



Arab Republic of Egypt
Ministry of Communications
and Information Technology

Information and Communications Technology Indicators Bulletin

June 2016 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development

Indicators in Brief

Data item	Unit	January - March 2015	October - December 2015	January - March 2016	Quarterly growth rate (%)	Annual growth rate (%)
ICT Sector: Infrastructure Indicators						
Mobile subscriptions	Million	95.06	95.26	96.22	1.01	1.22
Mobile penetration *	%	109.60	108.33	108.94	0.61	-0.65
Fixed line subscriptions	Million	6.64	5.90	5.93	0.54	-10.69
Fixed line penetration *	%	7.78	6.81	7.16	0.35	-0.62
Mobile Internet Subscriptions	Million	24.08	25.88	27.37	13.66	13.66
USB Modem Subscriptions	Million	4.11	3.52	3.41	4.26	-17.06
ADSL subscribers	Million	3.51	4.00	4.20	4.93	19.7
International Internet Bandwidth	Gbps	631.632	829.774	1,191.630	43.61	88.66
Number of post offices	Post office	3911	3924	3927	0.08	0.41
ICT Sector's Role in Development						
Number of Telecenters	IT Houses	--	15	15	--	
Capacity Building Program Provided by ITIDA	Thou-sand Gradu-ates	17.95	19.44	19.72	1.44	9.86

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

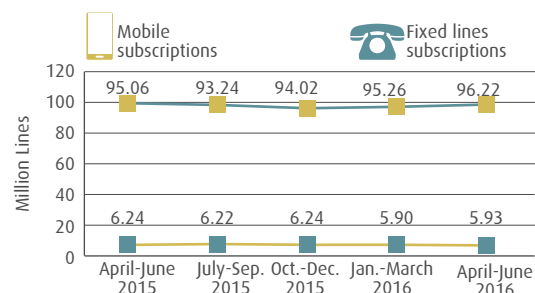
The number of internet users reached 29.8 Million users with 37.8% penetration rate according to ICT access and use by households and individuals 2015

ICT Sector's Infrastructure Indicators

- Mobile subscriptions (April - June 2016) : 96.22 million
- Mobile phone lines per 100 people (April - June 2016) : 108.94%
- Fixed line subscriptions (April - June 2016): 5.93 million
- Fixed line subscriptions(April - June 2016) : urban areas: 5.05 million, rural areas: 0.89 million.
- Internet mobile users (April - June 2016): 27.37 million .
- USB Modem users(April - June 2016): 3.41 million users.
- ADSL subscribers (April - June 2016): 4.20 million.
- International Internet bandwidth (April - June 2016): 1,191,630 Gbps.
- Number of post offices (April - June 2016): 3927 Post offices.
- Number of beneficiaries of pensions' payment service through post offices(April - June 2016) : 5.45 million beneficiaries

Fixed Lines and Mobile Subscriptions

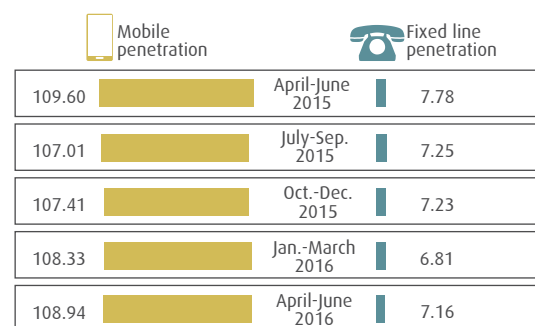
- The number of fixed line and mobile subscriptions was 102.16 million at the end of April - June 2016, compared to 101.71 million at the end of April - June 2015.
- The number of mobile subscriptions was 96.22 million at the end of April - June 2016, compared to 95.06 million at the end of April - June 2015. The mobile subscriptions recorded 94% of total telephone service.



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

Fixed Line and Mobile Penetration

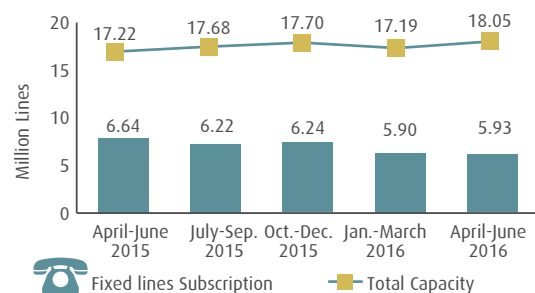
- Mobile penetration reached 108.94% at the end of April - June 2016, compared to 109.60% at the end of April - June 2015, representing an annual change rate of -0.65%. On the other hand, fixed line penetration reached about 7.16% by the end of April - June 2016.



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 5.93 million subscriptions at the end of April - June 2016 compared to 6.64 million subscriptions at the end of April - June 2015.
- The capacity of local exchanges increased to 18.05 million lines at the end of April - June 2016, compared to 17.22 million at the end of April - June 2015. This represents an annual increase of 0.83 million lines and an annual growth rate of 4.84%.

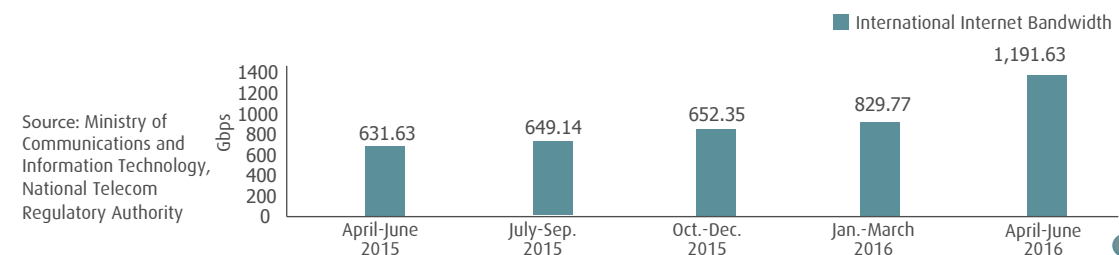


Source: Ministry of Communications and Information Technology, Telecom Egypt



International Internet Bandwidth

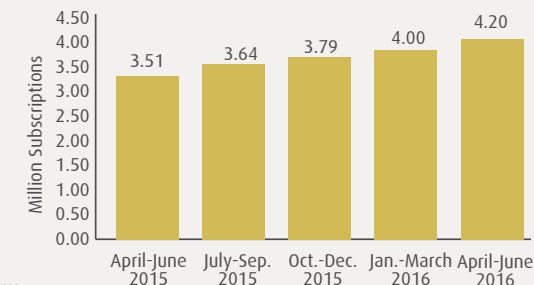
- International Internet bandwidth increased to 1,191.63 Gbps at the end of April - June 2016 compared to 631.632 Gbps at the end of April - June 2015 representing an annual growth rate of 88.66%.
- The international internet bandwidth reached 13491.2 Bit/sec. per person at the end of April - June 2016 compared to 7281.9 Bit/Sec. per person at the end April - June 2015 with an annual growth rate of 85.27%.



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

ADSL Subscriptions

- The number of ADSL subscriptions reached 4.20 Million Subscriptions by the end of April - June 2016 compared to 3.51 million subscriptions at the end of April - June 2015, with an annual increase of 0.69 million subscriptions and an annual growth rate 19.7 %.

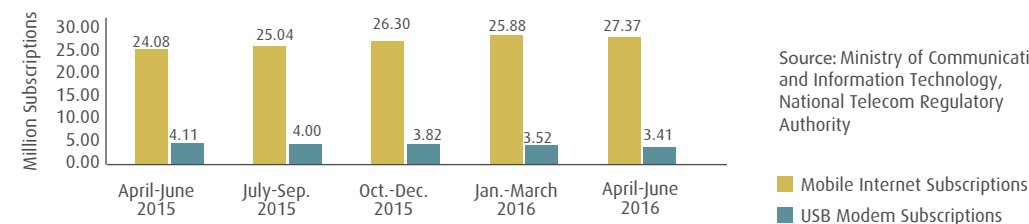


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



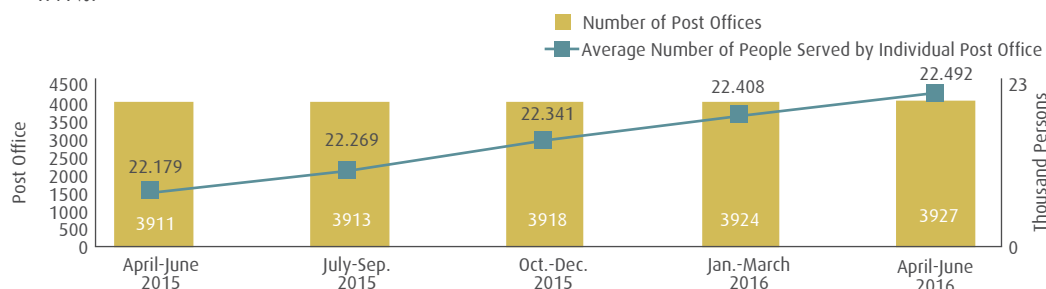
Mobile Internet and USB Modem Subscriptions

- The number of mobile internet subscriptions reached 27.37 million Subscriptions by the end of April - June 2016 compared to 24.08 million subscriptions at the end of April - June 2015.
- The number of USB Modem subscriptions reached 3.41 million subscriptions by the end of April - June 2016 compared to 4.11 million subscriptions at the end of April - June 2015.



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

- The total number of post offices increased to 3927 at the end of April - June 2016, compared to 3911 at the end of April - June 2015, reflecting an annual growth rate of 0.41%.
- The average number of people served by each post office was 22,492 thousand at the end of April - June 2016, compared to 22,179 thousand people at the end of April - June 2015, representing an annual growth rate of 1.41%.

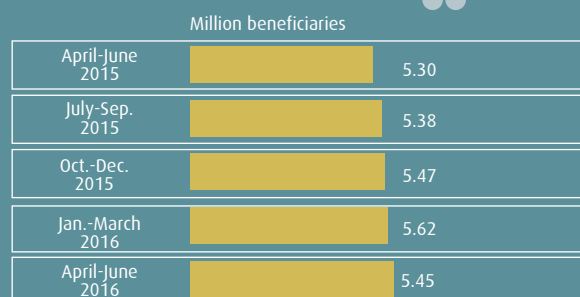


Source: Ministry of Communications and Information Technology, Egypt Post



Number of pensions distributed through postal offices

- Number of beneficiaries of pensions distributed through postal offices has increased to about 5.45 million in April - June 2016 compared to about 5.3 million in April - June 2015 with an annual change rate of 2.83%.



Source: Ministry of Communications and Information Technology, Egypt Post

Number of Newly Established ICT Companies and Issued Capital

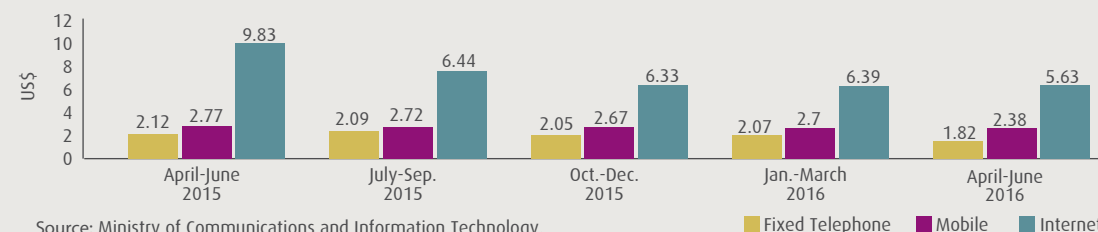
- Number of newly established ICT companies reached 213 companies in April - June 2016 compared to 211 companies in April - June 2015.
- Number of issued capital of newly established ICT companies reached 52.87 Million EGP in April - June 2016 compared to 112.75 Million EGP in April - June 2015.

		April-June 2016
Total Number of newly established ICT companies	Companies	213
Total Number of issued capital of newly established ICT companies	Million EGP	52.87

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

ICT Services Prices

- The cost of ICT services in Egypt is competitive, compared with prices of other countries. According to the World Bank ICT Price Basket (IPB), the monthly cost in Egypt for fixed lines in (April - June 2016) was USD1.82*, USD2.38 for mobile services** and USD5.63 for Internet services.***



Source: Ministry of Communications and Information Technology, Central Department for Information and Decision Support

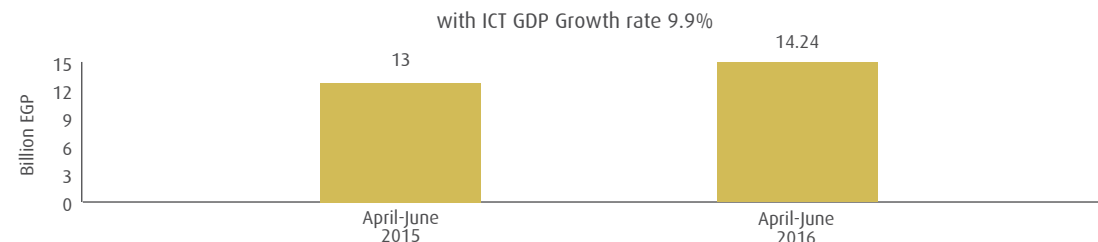
Note: No actual increases in any of the services' prices have been monitored, there has been a change in methodology of calculation, according to the International Telecommunications Union (ITU) since October 2013

- The price for residential fixed line is calculated as the monthly subscription charge and the cost of local calls (15 peak and 15 off-peak calls of three minutes each).
- The mobile-cellular sub-basket refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net, off-net, or to a fixed line for peak and off-peak times), plus 100 SMS messages. It is calculated in USD. The mobile-cellular sub-basket is based on prepaid price of the most used package offered by the three mobile operators operating in Egypt.
- The fixed-broadband sub-basket refers to the lowest price of a monthly subscription to an entry-level fixed-broadband plan of the operator with the largest market share. It is calculated in USD.



ICT GDP at Fixed Prices

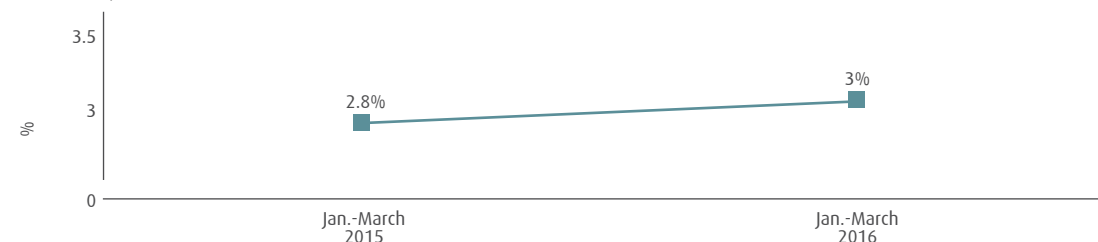
- As per the provisional data, ICT GDP in fixed prices is expected to reach 14.24 billion EGP in the fourth quarter of the fiscal year 2015/2016, realizing a growth rate of about 9.9% compared to the equivalent quarter in 2014/2015, which generated 13 billion EGP of value.



Source: Ministry of Communications and information Technology - Central Department for Information and Decision Support

ICT Contribution to Real GDP

- ICT sector is expected to contribute by 3 % in the real GDP of the country in the fourth quarter of the year 2015/2016. Thereby the sector is expected to exceed its contribution to the GDP compared to what was achieved in the fourth quarter of 2014/2015, which was around 2.8% of the GDP.



Source: Ministry of Communications and Information Technology - Central Department for Information and Decision Support

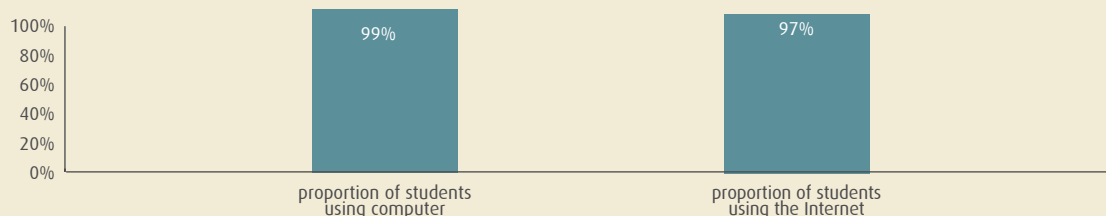
The ICT Sector's Role in Development

- Proportion of students using computer: 99%.
- Proportion of university students using the internet: 52%
- Proportion of students using computer from homes: 92.4%.
- Proportion of students using computer for preparing reports and scientific papers: 78%.
- Proportion of students using the internet for finding information related to study 93%.
- Proportion of ICT contribution to development of student mental abilities: 95%
- The strong effect of ICT usage on students' results reaches 17% for males and females
- Number of graduates receiving software training by ITIDA (April-June) 2016 is 19.72 thousand trainees.



ICT Usage by Students

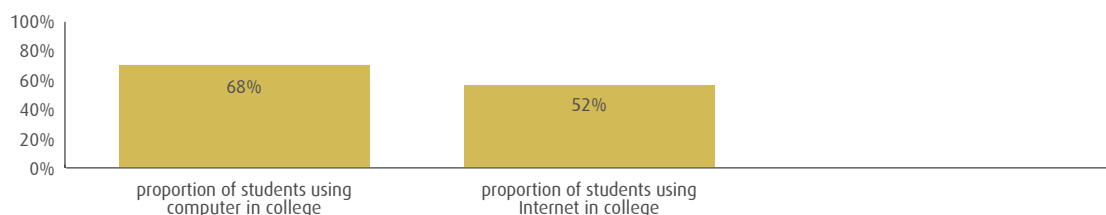
- About ICT usage by students, the proportion of using computers by students reached 99%, while the proportion of using internet by students reached 97%.



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

ICT Usage by University Students

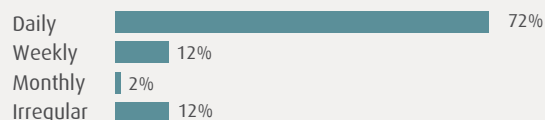
- The proportion of university students using computer reached 68%, while using internet reached 52%.



Source: "Survey of ICT usage in University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Frequency of Using Computer by Students

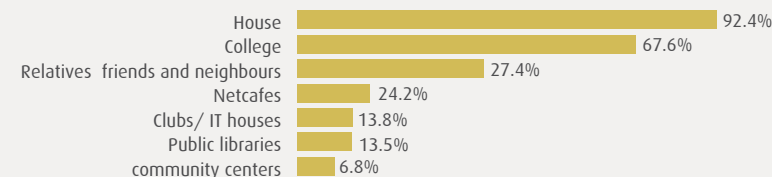
- The proportion of daily computer usage by students reached 72% while the proportion of irregular usage reached 12%. However, weekly usage reached 12% and the monthly reached 2%.



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Places Where Students Use Computer

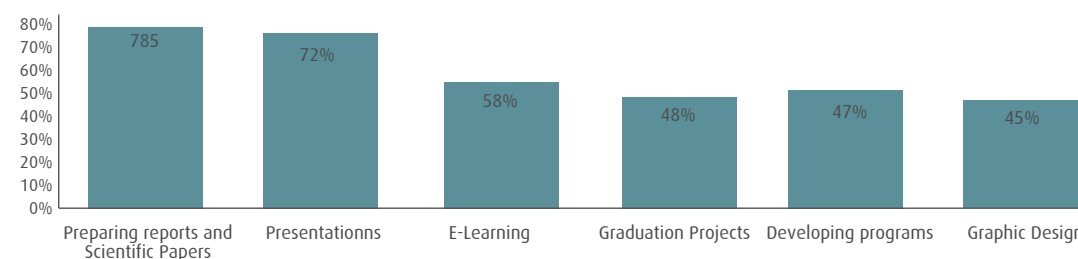
- The proportion of using computers at homes reached 92.4% while in colleges/ institutes reached 67.6%. However, the proportion reached 27.4% between relatives, friends and neighbors, and the proportion were between 24.2% in net cafes and 6.8% in community centers (the smallest proportion).



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Activities Undertaken by University Students Using computer

- As for activities undertaken by students using computer, the proportion of preparing reports and scientific papers reached 78%, while presentations reached 72%. However, e-learning reached 58%, and the proportion of other activities were between 48% for graduation projects and 45% for graphic designing (the smallest one).



Source: "Survey of ICT usage in University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Frequency of Using Internet

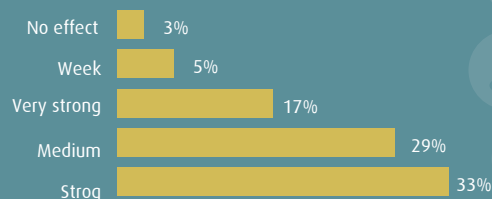
- The proportion of students who use internet daily reached 77% while the proportion reached 11% of students who use internet in irregular way, however the proportion of students who use computers weekly reached 7%, and the proportion reached 1% for the monthly usage.



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Effect of ICT Usage on Students' Results

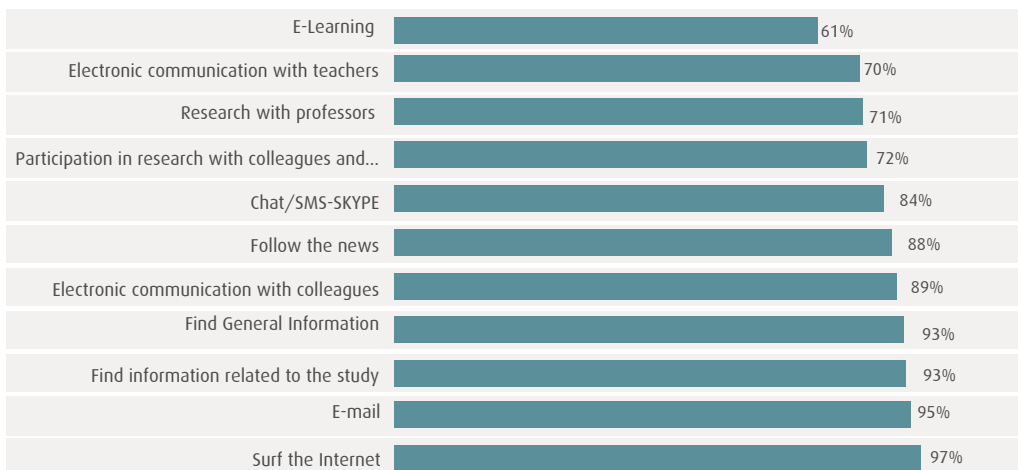
■ About the effect of ICT usage on students' results, the proportion of strong effect reached 33%, while the medium effect reached 29%. However, the proportion reached 17% for the very strong effect, while the proportion of weak effect reached 5%, and the proportion of no effect of ICT usage on students' results reached 3% (the smallest proportion).



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Internet Activities by Students

■ As for internet activities by students, the proportion of surfing the internet reached 97%, while 95% was the proportion of using e-mails. However, the proportion of searching for information related to study reached 93%, and the proportion was 93% for searching for general information. Moreover, the proportion of electronic communication with colleagues (FACEBOOK-TWITTER) reached 89%, and other activities were between 88% for following up the news and 61% for e-learning (the smallest proportion).



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Effect of Using ICTs in Educational Process (from Students' Point of View)

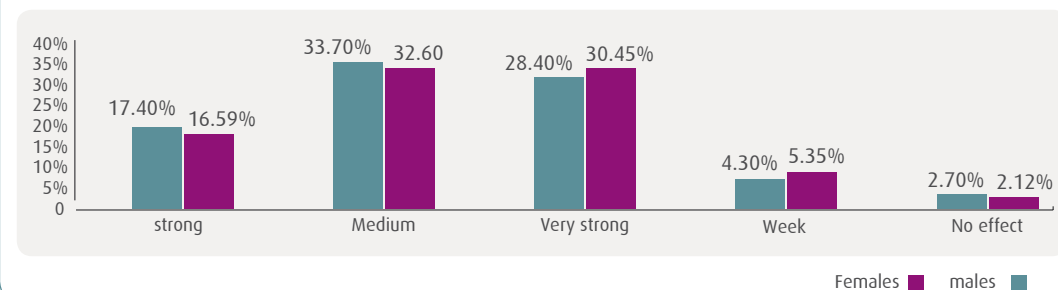
■ About contributions of ICT usage in the educational process, the proportion of the development of mental abilities reached 95%, and the proportion of technical skills development (speed and quality of performance) was 95%, while 94% was the proportion of making scientific content more easily, while the proportion of making the learning process more interesting reached 93%. However, the proportion of getting the best study results reached 92%, and the proportion of no contributions of ICTs in the educational process reached 60% (the smallest proportion).



Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Effect of ICT Usage on Students Results by Gender

■ About the effect of ICT usage on students results, the proportion of strong effect reached 17% for males and the same proportion for females, while the medium effect proportion reached 34% for males and 33% for females. However, the proportion reached 28% for the very strong effect for males and 30% for females. The proportion of weak effect reached 4% for males and the proportion for females was 5%, and about the proportion of no effect of ICT usage on students results reached 3% for males and 2% for females.

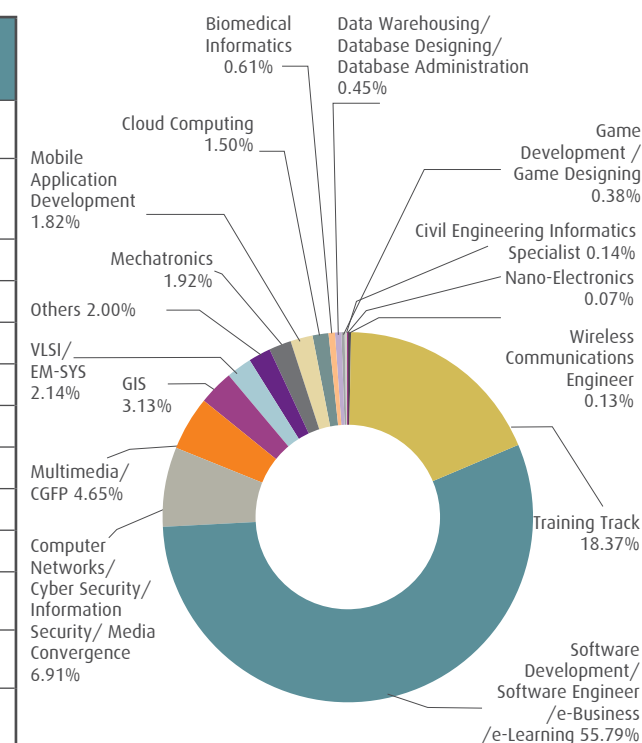


Source: "Survey of ICT usage in University Education", conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS), 2014

Capacity Building Program Provided by Information Technology Institute (ITI)

Training Track	2014	2015
Software Development / Software Engineer / E-Business / E-Learning	6116	6672
Computer Networks / Cyber Security / Information Security / Media Convergence	757	829
Multimedia / CGFP	510	520
GIS	343	354
VLSI / EM-SYS	235	246
Others	219	219
Mechatronics	210	224
Mobile Application Development	200	348
Cloud Computing	164	198
Biomedical Informatics	67	67
Data Warehousing / Database Designing / Database Administration	49	66
Game Development / Game Designing	42	68
Civil Engineering Informatics Specialist	15	29
Wireless Communications Engineer	14	26
Nano-Electronics	8	8
Total	8949	9874

*According to the latest figures.



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

ICT Sector's Infrastructure Indicators

- Mobile subscribers increased to 96.22 million in April - June 2016, compared to 95.06 million in April - June 2015, representing an annual change rate of 1.22%.
- Mobile penetration reached 108.94 % in April - June 2016, compared to 109.60% in April - June 2015, representing an annual change rate of -0.65%.
- Mobile Internet subscriptions increased to 27.37 million in April - June 2016, compared to 24.08 million in April - June 2015, representing an annual growth rate of 13.66 %.
- USB Modem subscriptions increased to 3.41 million in April-June 2016 compared to 4.11 million in April - June 2015 representing an annual growth rate of -17.06 %.
- ADSL subscribers increased to 4.20 million in April - June 2016, compared to 3.51 million in April - June 2015, representing an annual growth rate of 19.7%.

ICT Sector's Role in Development

- The percentage of students using internet reached 97% while the percentage of students using internet in college 52%.
- The percentage of students using computer in daily bases reached 72% while percentage of students using computer in college reached 67.6%
- The impact of ICT usage on student's technical skills development (speed and quality of performance) was 95%, while the percentage of contributing to making the scientific content more easily is94% (from students point of view).
- The number of graduates receiving software training till April - June 2016: 19.72 thousand graduates.