



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# Information and Communications Technology Indicators Bulletin

December 2014 | Quarterly Issue



■ ICT Sector's Infrastructure Indicators

■ ICT Sector's Role in Development



Scan Me

## Indicators in Brief

Data	Unit	October - December 2013	July - September 2014	October - December 2014	Quarterly Growth Rate (%)	Annual Growth Rate (%)
<b>ICT Sector's Infrastructure Indicators</b>						
Mobile Subscriptions	Million	99.70	94.76	95.32	0.59	-4.40
Mobile Penetration *	%	118.19	110.76	110.90	0.14	-7.29
Landline Subscriptions	Million	6.82	6.84	6.32	-7.63	-7.40
Landline Penetration *	%	8.22	8.12	7.47	-0.65	-0.75
Estimated Internet Users	Million	38.75	46.50	48.34	3.96	24.75
Internet Penetration *	%	45.93	54.35	56.24	1.89	10.31
ADSL Subscribers	Million	2.49	2.87	2.98	3.80	19.6
International Internet Bandwidth	Gbps	253,455	416,497	471,339	13.17	85.97
Number of Post Offices	Office	3848	3883	3893	0.26	1.17
<b>ICT Sector's Role In Development</b>						
Number of Telecentres	Telecentre	123	123	126	2.44	2.44
Capacity Building Program Provided by ITIDA	Graduates	236	157	305	94.27	29.24

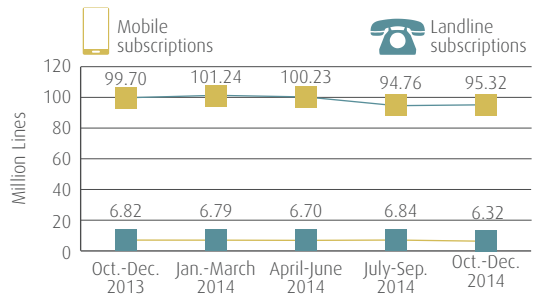
\* Growth rates are calculated as the difference between penetration rates in different time intervals

# ICT Sector's Infrastructure Indicators

- Mobile subscriptions (October-December 2014) : 95.32 million
- Mobile penetration (October - December 2014) : 110.90%
- Landline subscriptions (October - December 2014): 6.32 million
- Landline subscriptions in urban areas(October - December 2014) : 5.04 million, rural areas 1.27 million
- Estimated internet users(October-December 2014): 48.34 million
- Internet penetration (October - December 2014) : 56.24%
- Internet users through mobile(October - December 2014): 20.34 million
- USB Modem users(October - December 2014) : 3.92 million users
- ADSL subscribers (October - December 2014) : 2.98 million
- International Internet bandwidth (October - December 2014): 471,339 Gbps
- Number of post offices (October - December 2014): 3893 Post offices
- Number of beneficiaries of Pensions' Payment Service through post offices(October-December 2014): 4.72 million

## Landline and Mobile Subscriptions

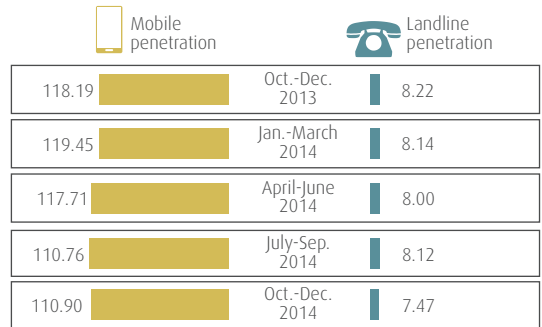
- The number of landline and mobile subscriptions was 101.63 million by the end of October- December 2014, compared to 106.53 million by the end of October - December 2013
- The number of mobile subscriptions was 95.32 million by the end of October - December 2014, compared to 99.70 million by the end of October - December 2013



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

## Landline and Mobile Penetration

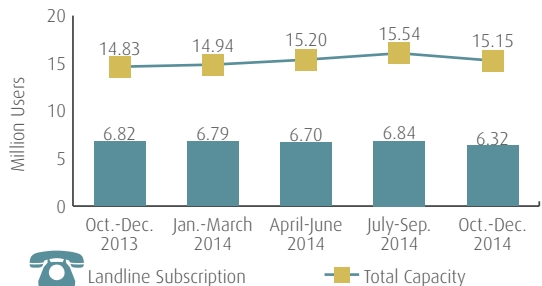
- Mobile penetration reached 110.90% at the end of October - December 2014, compared to 118.19% at the end of October - December 2013. On the other hand, landline penetration reached about 7.47% by the end of October - December 2014



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

## Landline Subscription and Local Exchange Capacity

- Total number of fixed line subscriptions has reached 6.32 million subscriptions by the end of October -December 2014 compared to 6.82 million subscriptions by the end of October - December 2013.
- The capacity of local exchanges increased to 15.15 million lines by the end of October - December 2014, compared to 14.83 million by the end of October - December 2013, representing an annual increase of 0.33 million lines and an annual growth rate of 2.20%.

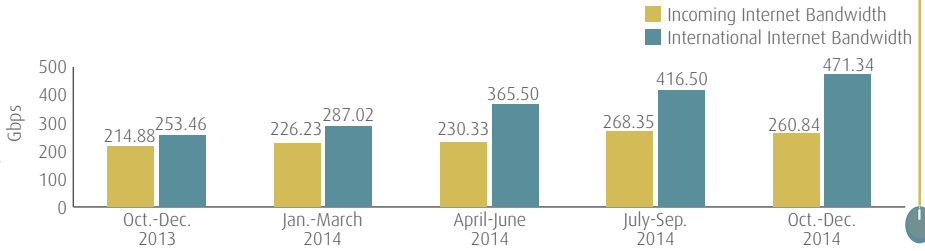


Source: Ministry of Communications and Information Technology, Telecom Egypt



## International Internet Bandwidth

- International Internet bandwidth increased to 471,339 Gbps by the end of October - December 2014 compared to 253,455 Gbps by the end of October - December 2013 representing an annual growth rate of 85.97%.

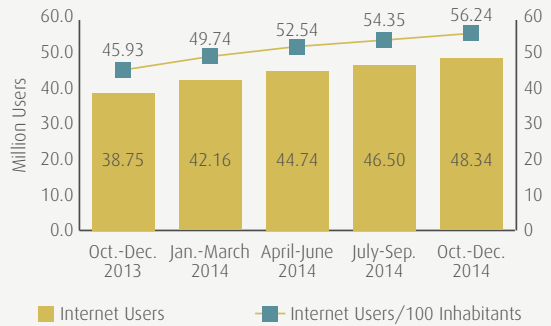


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

## Estimated Number of Internet Users \*

- The estimated number of Internet users increased to 48.34 million by the end of October- December 2014, compared to 38.75 million by the end of October-December 2013, representing an annual increase of 9.59 million users and an annual growth rate of 24.75%
- Internet penetration increased to 56.24% by the end of October - December 2014, compared to 45.93% by the end of October - December 2013, representing an annual growth rate of 10.31%

\* Includes internet users through mobile and USB modem.

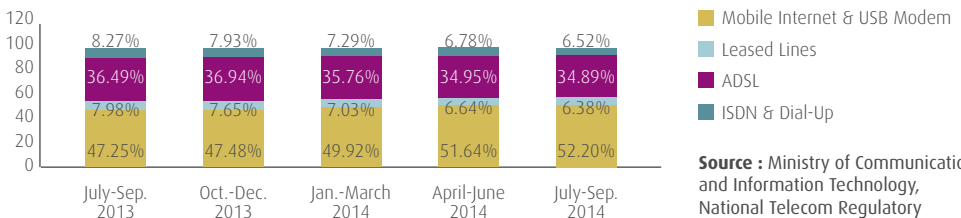


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



## Internet Users by Mode of Access

- Proportion of internet broadband users is about 93.48% of total Internet users in October - December 2014 compared to 91.73% of total internet users in October - December 2013
- Proportion of internet narrowband users is about 6.52% of total Internet users in October - December 2014 compared to 8.27% of total internet users in October - December 2013

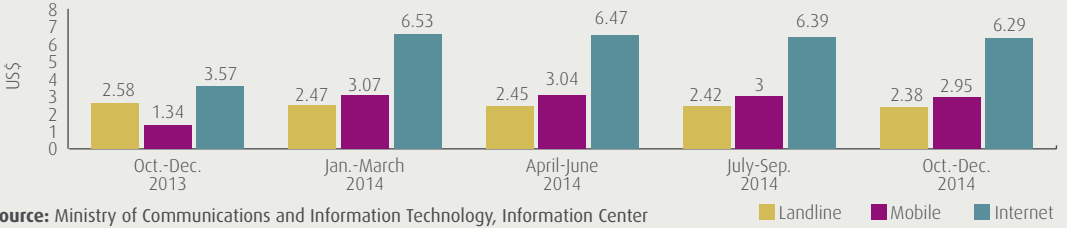


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority

## ICT Price Basket

■ The cost of ICT services in Egypt is internationally competitive. According to the World Bank price basket methodology, the monthly cost in Egypt during October - December 2014 was USD 2.38 for a landline \*, USD 2.95 for mobile services \*\* and USD 6.29 for Internet service \*\*\*

**Note:** No actual upsurges in service prices. Numbers have increased due to a change in calculation methodology, according to the International Telecommunication Union (ITU) since October 2013



Source: Ministry of Communications and Information Technology, Information Center

\* The price for a residential fixed line is calculated as one-fifth of the installation charge, the monthly subscription charge and the cost of local calls (15 peak and 15 off-peak calls of three minutes each)

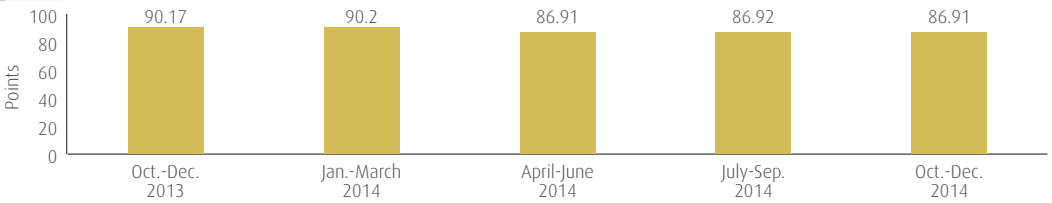
\*\* Calculated as the pre-paid price for 30 calls per month spread over the same mobile network, other mobile networks, and mobile to landline calls and during peak, off-peak, and weekend times. It also includes 100 text messages per month. (International Telecommunication Union & World Bank).

\*\*\* Price basket for Internet (landline-broadband sub-basket) refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reason, the fixed broadband sub-basket is based on a monthly usage of (a minimum of) 1 Gigabyte (GB). For plans that limit the monthly amount of data transferred by including caps below 1 Gigabyte, the cost for additional bytes is added to the sub-basket. The minimum speed of broadband connection is 256 Kbyte/s. (International Telecommunication Union).



## Communications Service Composite Price Index \*

Communications Services Composite Price Index reached 86.91 points in October - December 2014 compared to 90.17 points in October - December 2013 with an annual change rate of -3.26%.



Source: Ministry of Communications and Information Technology, Information Center

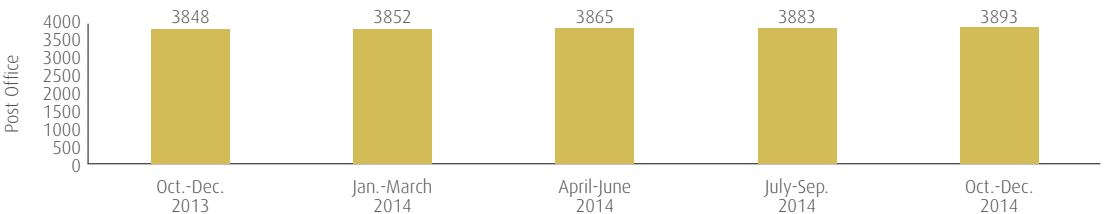
\* The calculation of the index is based on the recommendations of the Organization & Economic Cooperation and Development (OECD) and the World Bank. The Communication Services composite Price Index is calculated based on a basket of ICT telecommunication services taking into account the nature of telecommunications services in Egypt. The Index has four main subcomponents: landline, mobile phone and internet services classified according to ISIC 4. Data was collected on tariffs and prices of these services for the period between 2002 to 2010 on quarterly bases that complies with the periodicity of computing the ICT GDP. The weights are calculated based on the share of each service from the total revenues for each company. 2006/2007 was chosen to be the base year for the index.



## Post Offices

■ The total number of post offices increased to 3893 by the end of October - December 2014, compared to 3848 by the end of October - December 2013, reflecting an annual growth rate of 1.17%

■ The average number of people served by post offices was 22,077 thousand persons by the end of October - December 2014, compared to 21,923 thousand persons by the end of October - December 2013, representing an annual growth rate of 0.70%



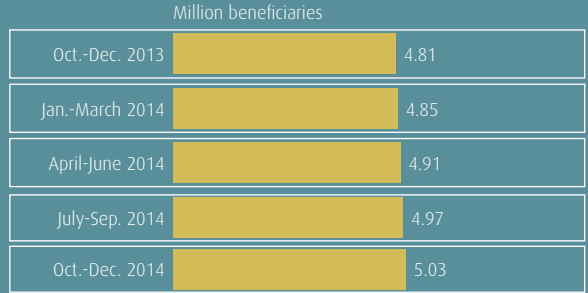
Source: Ministry of Communications and Information Technology, Egypt Post



## Number of Pensions Distributed through Postal Offices

- Number of beneficiaries of pensions distributed through postal offices has increased to about 5.03 million in October - December 2014 compared to about 4.81 million beneficiaries in October - December 2013 with an annual growth rate of 4.57%

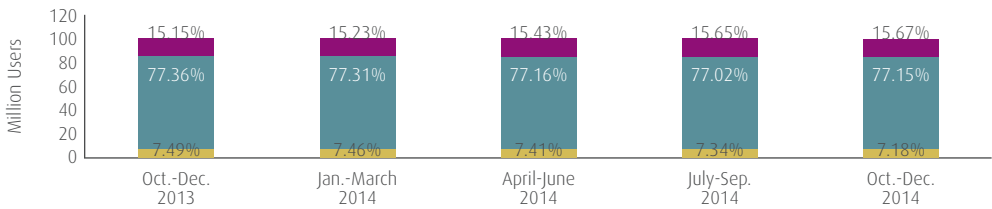
On the other hand, the number of beneficiaries of pensions distributed through postal offices to residences reached about 76 thousand by the end of October - December 2014



Source: Ministry of Communications and Information Technology, Egypt Post

## ICT Companies According to Activities

- The number of IT companies was 77.15%, while value added service companies reached 15.67% and communication companies was 7.18%. The number of ICT operating companies in October - December 2014 was 10.33%, higher than in October - December 2013

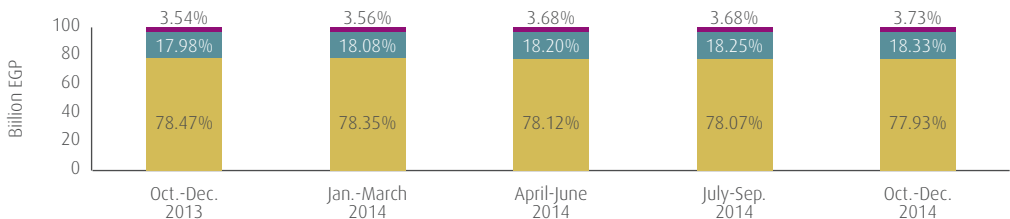


Source: Ministry of Investment, General Authority for Investment and Free Zones

■ Communication 
 ■ Information Technology 
 ■ Value Added Services

## ICT Issued Capital

- The percentage of Issued Capital of telecommunication companies reached 77.93% of the total issued capital within the sector, while it reached 18.33% for Information Technology and 3.73% for value added services



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

■ Communications 
 ■ Information Technology 
 ■ Value Added Services

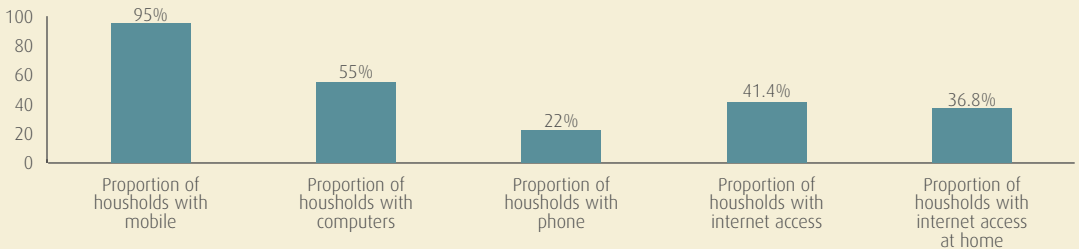
# The ICT Sector's Role in Development

- Proportion of households with mobile phones: 95%
- Proportion of households with internet access: 41.4%
- Proportion of households with access to internet using mobile broadband: 18%
- Proportion of Households involved in e-Government: 14%
- Proportion of individuals who use internet on daily basis: 20%
- Number of graduates received software training (October – December 2014): 305 trainees



## ICT Access and Use by Households

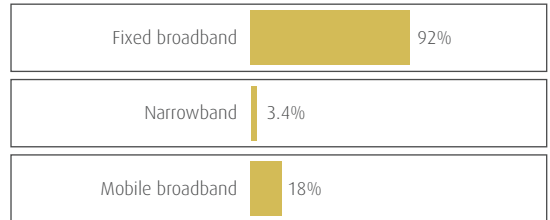
The percentage of Egyptian households with mobile phones reached 95.0%, while the percentage of Egyptian households with landlines was about 22%. The percentage of Egyptian households using computers reached 55%, while the percentage of Egyptian households with internet access was about 41.4%. Finally, the percentage of Egyptian households with access to internet from home reached about 36.3%.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Households Having Access to the Internet by Type of Connection

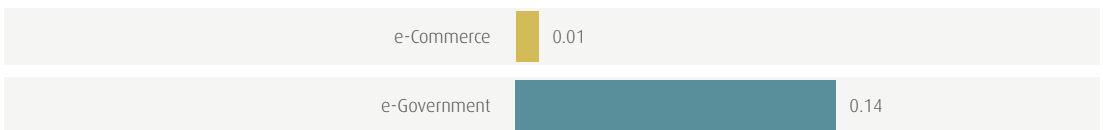
The percentage of Egyptian households with internet access using fixed broadband was about 92%, while the percentage of Egyptian households with mobile broadband was about 18.0%. Egyptian households with narrowband dialup internet access reached 3.4.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Households Dealing with e-Government and e-Commerce

The percentage of Egyptian households involved in e-government reached 14%, while only 1% of Egyptian households used e-commerce.

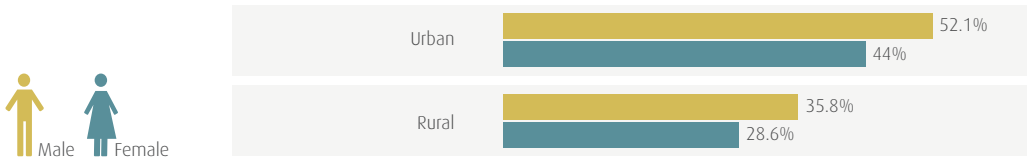


**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households



## Individuals Using Computers by Gender (Urban - Rural)

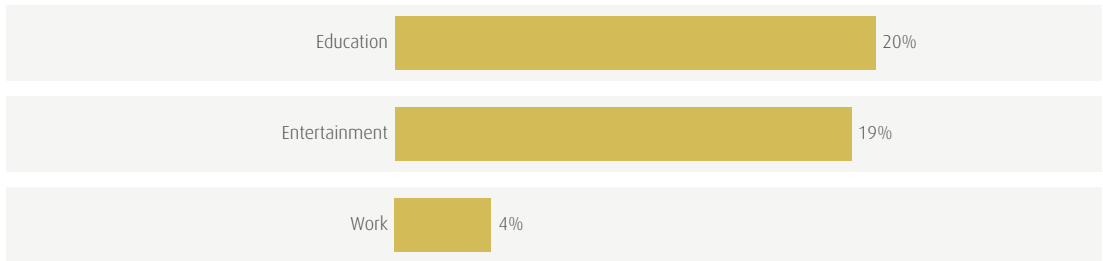
In urban areas about 52.1% males and 44% females use computers, while in rural areas 35.8% males and 28.6% females use them.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Activities Undertaken by Individuals Using Computers

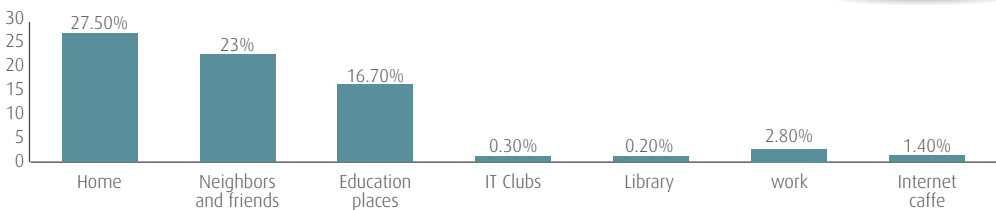
The percentage of individuals using computers in education is 20%, while 19% use computers for entertainment and 4% in work.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Location of Using Computer by Individuals

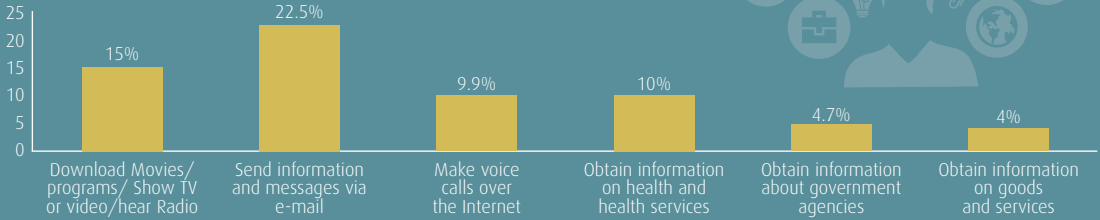
The percentage of individuals using internet from home reached 27.9%, while 23.6% used neighbors and friends internet and only 16.7% use internet via educational institutions.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Activities Undertaken by Individuals Using Internet

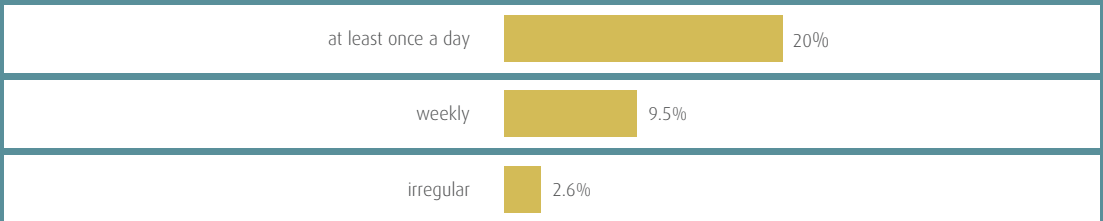
The percentage of Egyptian households who use the internet in downloading movies, programs, TV Shows, videos or hearing Radio reached about 15%, while the percentage of those who use the internet to send information and e-mails reached about 22.5%. The percentage of individuals who made internet voice calls was about 9.9%.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Periodicity of Using the Internet by Individuals

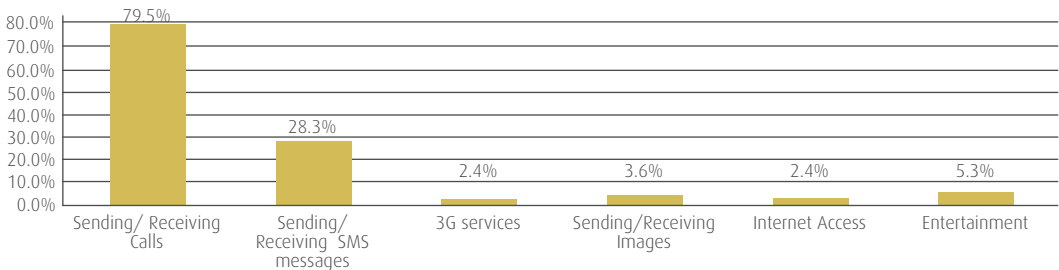
The percentage of individuals using the internet on daily basis reached 20%, while the percentage of those who use the internet on weekly basis hit 9.5%. Percentage of individuals who use it irregularly reached about 2.6%



**Source:** periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

## Activities Undertaken by Individuals Using Mobile Phones

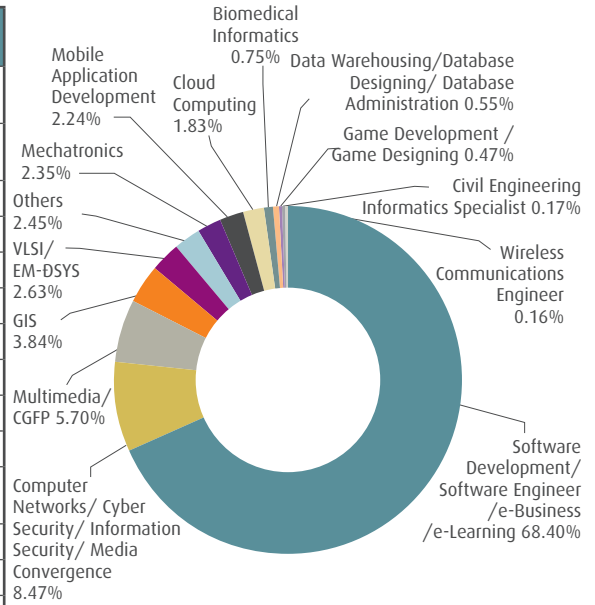
The percentage of individuals using mobile phones in sending and receiving calls reached 79%, while the percentage of those who use it to send and receive SMS was 28.3%. The percentage of the individuals who use 3G services reached about 2.4%.



**Source:** Periodical survey for “Egyptian households and individuals ICT usage” conducted by the Ministry of Communications and Information Technology (MCIT) in cooperation with the Central Agency for Public Mobilization and Statistics (CAPMAS) in 2014 which included 10000 households

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

Training Track	Sep. 2013	Sep. 2014*
Software Development / Software Engineer / e-Business / e-Learning	5533	6116
Computer Networks / Cyber Security / Information Security / Media Convergence	683	757
Multimedia / CGFP	499	510
GIS	331	343
VLSI / EM-SYS	223	235
Others	219	219
Mechatronics	196	210
Mobile Application Development	41	200
Cloud Computing	128	164
Biomedical Informatics	67	67
Data Warehousing / Database Designing / Database Administration	32	49
Game Development / Game Designing	16	42
Civil Engineering Informatics Specialist	..	15
Wireless Communications Engineer	..	14
Nano-Electronics	8	8
<b>Total</b>	<b>7976</b>	<b>8949</b>



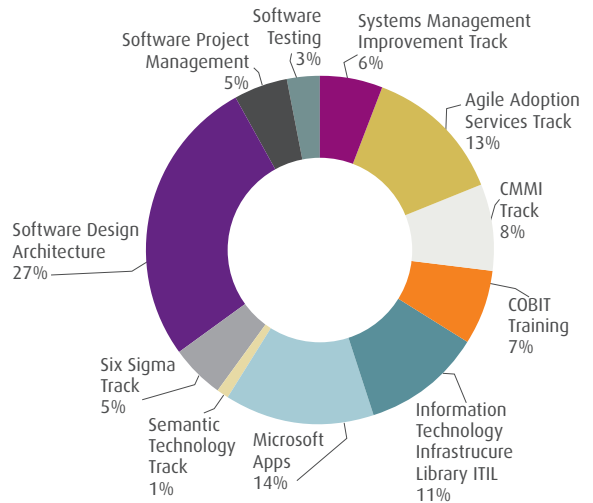
Source: Ministry of Communications and Information Technology (MCIT)- Information Technology Institute (ITI)

\* According to the latest figures.

## Capacity Building Program Provided by ITIDA \*\*

■ The total number of graduates in the software field = reached 305 during Q4 2014, distributed as follows:

Track	Number of Attendees
Agile Adoption Services Track	39
CMMI Track	25
COBIT Training	20
Information Technology Infrastructure Library ITIL	35
Microsoft Apps	44
Semantic Technology Track	4
Six Sigma Track	16
Software Design Architecture	81
Software Project Management	15
Software Testing	9
Systems Management Improvement Track	17
<b>Total</b>	<b>305</b>



Source: Ministry of communications and Information Technology (MCIT), Information Technology Industry Development Agency (ITIDA), Software Engineering Competence Center (SECC)

\* The total numbers of companies that achieved the CMMI accreditation levels reached 50 companies.

## ICT Sector's Infrastructure Indicators

- Mobile subscribers reached 95.32 million in October - December 2014, compared to 99.70 million in October - December 2013, representing an annual change rate of -4.40%
- Mobile penetration reached 110.90 % in October - December 2014, compared to 118.19% in October - December 2013, representing an annual change rate of -7.29%
- Internet users increased to 48.34 million in October - December 2014, compared to 38.75 million in October - December 2013, representing an annual growth rate of 24.75%
- Internet penetration increased to 56.24% in October - December 2014 compared to 45.93 October - December 2013 representing an annual growth rate of 10.31%
- ADSL subscribers increased to 2.98 million in October - December 2014, compared to 2.49 million in October - December 2013, representing an annual growth rate of 19.6%

## ICT sectors' Role in Development

- The percentage of households with landlines reached 22%, while the percentage of households using computer reached 55%
- The percentage of households with access to the internet Fixed broadband reached 92% of total households with access to internet from their homes
- The percentage of individuals using computers in education reached 20%
- The total number of Telecenters reached 126 by the end of October - December 2014
- The total number of graduates from the International Computer Driving License (ICDL) program reached 22178 graduates by the end of October - December 2014
- The number of graduates who received software training October - December 2014 was 305