



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# ICT Indicators Bulletin

September 2019 | Quarterly Issue



ICT Sector's Infrastructure Indicators

The ICT Sector's Role in Development

# Indicators in Brief

Data Item	Unit	July - September 2018	April - June 2019	July - September 2019	Quarterly Growth Rate (%)	Annual Growth Rate (%)
<b>ICT Sector: Infrastructure Indicators</b>						
Mobile Subscriptions	Million	94.59	93.99	94.90	0.97	0.33
Mobile Penetration *	%	102.93	94.91	95.38	0.47	-7.55
Fixed Line Subscriptions	Million	7.59	8.21	8.42	2.57	11.01
Fixed Line Penetration *	%	7.61	7.61	7.60	-0.01	-0.01
Mobile Internet Subscriptions	Million	33.34	36.46	38.17	4.69	14.47
USB Modem Subscriptions	Million	3.36	3.21	3.56	23.21	5.93
ADSL Subscribers	Million	6.21	6.88	7.12	3.39	14.6
International Internet Bandwidth	Gbps	2,347.74	2,373.60	2,576.3	8.54	9.74
Number of Post Offices	Post Office	3967	3981	3981	0.00	0.35
<b>ICT Sector's Role in Development</b>						
Capacity Building Program Provided by ITIDA	Thousand Graduates	22,73	23.68	24.34	2.79	7.08

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

■ The number of internet users reached 40.9 Million users with 48% penetration rate according to ICT access and use by households and individuals 2018/2019

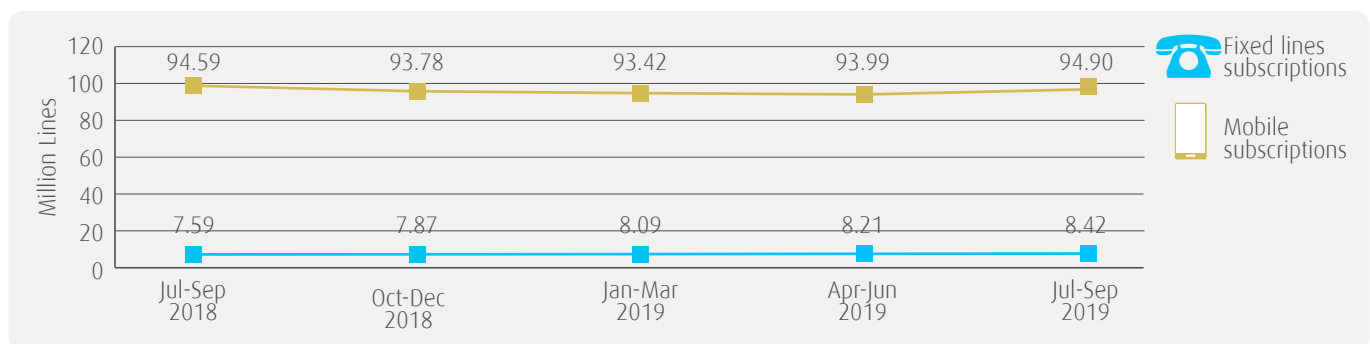
# ICT Sector's Infrastructure Indicators

- Mobile subscriptions (July - September 2019): 94.90 Million
- Mobile penetration (July - September 2019): 95.38%
- Fixed line subscriptions (July - September 2019): 8.42 Million
- Fixed line subscriptions in urban areas (July - September 2019): 6.53 Million, rural areas 1.89 Million
- Internet users through Mobile (July - September 2019): 38.17 Million
- USB Modem users (July - September 2019): 3.56 Million users
- ADSL subscriptions (July - September 2019): 7.12 Million
- International Internet bandwidth (July - September 2019): 2,576.30 Gbps
- Number of post offices (July - September 2019): 3981 offices
- Number of beneficiaries of pensions payment service through post offices (July - September 2019): 5.23 Million beneficiaries



## Fixed Lines and Mobile Subscriptions

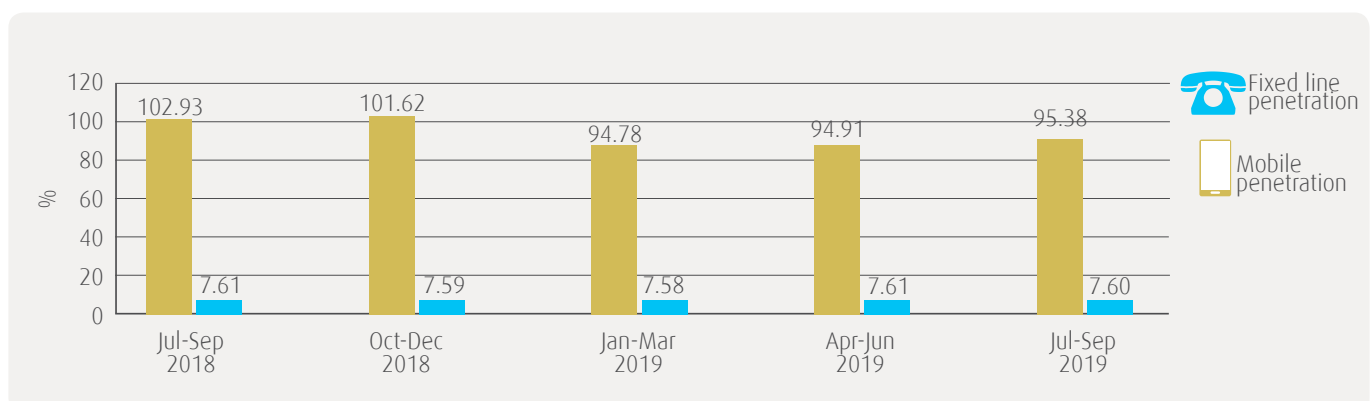
- The number of fixed line and Mobile subscriptions was 103.32 Million at the end of July - September 2019, compared to 102.18 Million at the end of July - September 2018.
- The number of Mobile subscriptions was 94.90 Million at the end of July - September 2019, compared to 94.59 Million at the end of July - September 2018. Mobile subscriptions recorded 92% of total telephone service.



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

## Fixed Line and Mobile Penetration

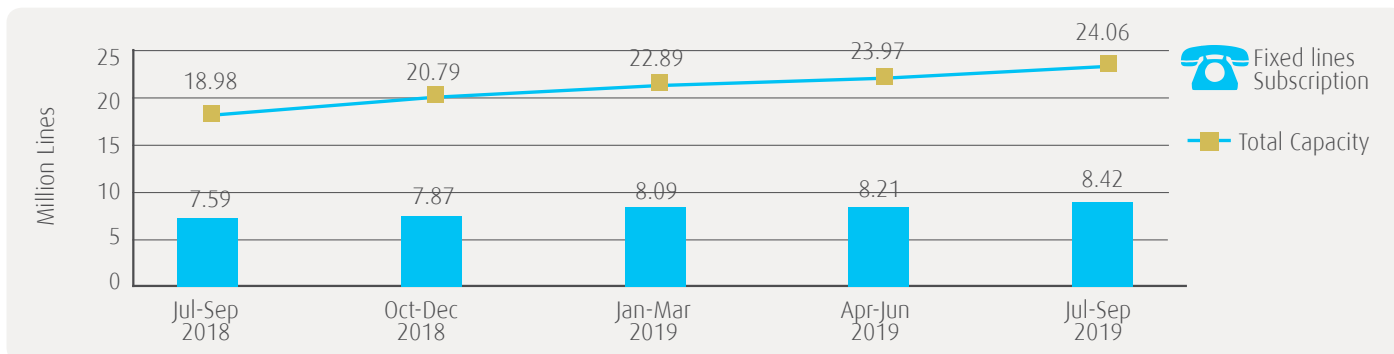
- The Mobile penetration reached 95.38% at the end of July - September 2019, compared to 102.93% at the end of July - September 2018, representing an annual change rate of -7.55% . On the other hand, fixed line penetration reached about 7.60% by the end of July - September 2019.



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

## Fixed Lines Subscription and Local Exchange Capacity

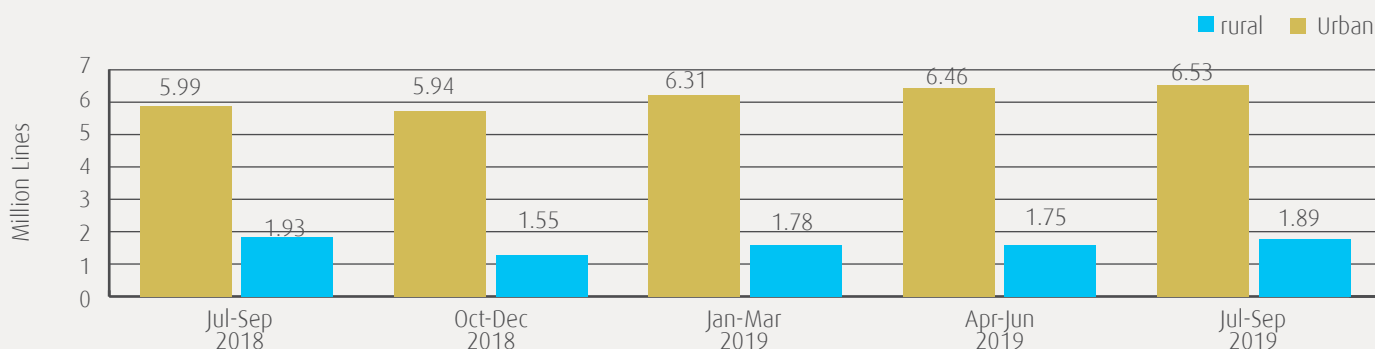
- The total number of fixed line subscriptions reached 8.42 Million subscriptions at the end of July - September 2019, compared to 7.59 Million subscriptions at the end of July - September 2018.
- The capacity of local exchanges increased to 24.06 Million lines at the end of July - September 2019, compared to 18.98 Million at the end of July - September 2018. This represents an annual change of 5.08 Million lines and an annual change rate of 26.78%.



Source: Ministry of Communications and Information Technology, Telecom Egypt

## Fixed Lines Subscription (Urban - Rural)

- The number of fixed line subscribers in urban areas reached 6.53 Million by the end of July - September 2019, compared to 5.99 Million subscribers by the end of July - September 2018, while the number of fixed line subscribers in rural areas reached 1.89 Million by the end of July - September 2019, compared to 1.60 Million by the end of July - September 2018.

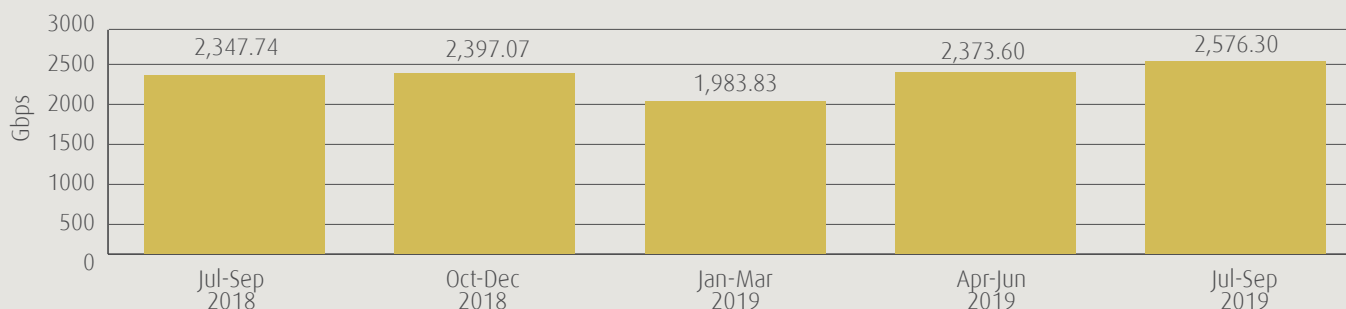


Source: Ministry of Communications and Information Technology, Telecom Egypt



## International Internet Bandwidth

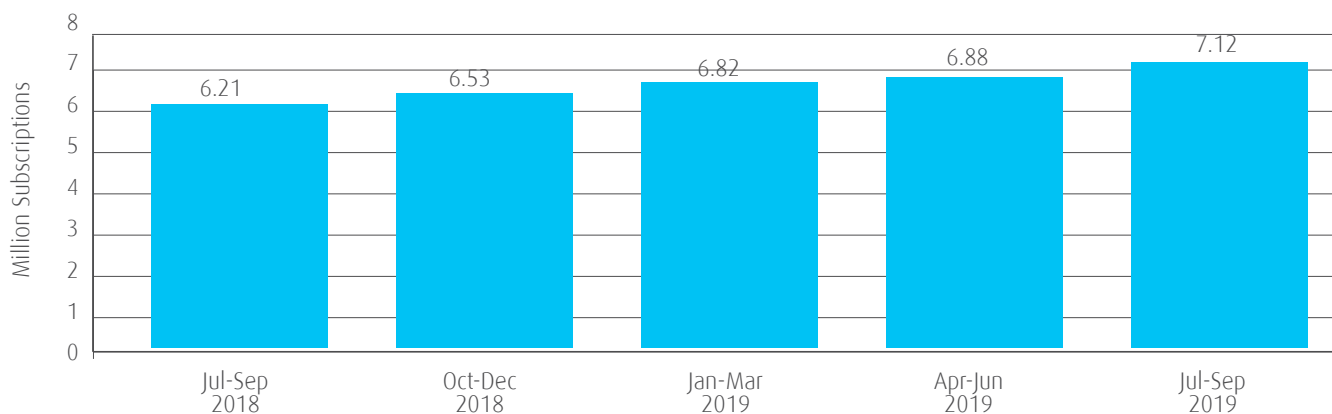
- The international Internet bandwidth increased to 2,576.30 Gbps at the end of July - September 2019, compared to 2,347.74 Gbps at the end of July - September 2018, representing an annual growth rate of 9.74%.
- The international Internet bandwidth per inhabitants reached 25893.73 Bit/sec. per person at the end of July - September 2019, compared to 25547.79 Bit/Sec. per person at the end July - September 2018, with an annual growth rate of 1.35%.



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

## ADSL Subscriptions

- The number of ADSL subscriptions reached 7.12 Million by the end of July - September 2019, compared to 6.21 Million at the end of July - September 2018, with an annual change of 0.91 Million and annual change rate of 14.6 %.

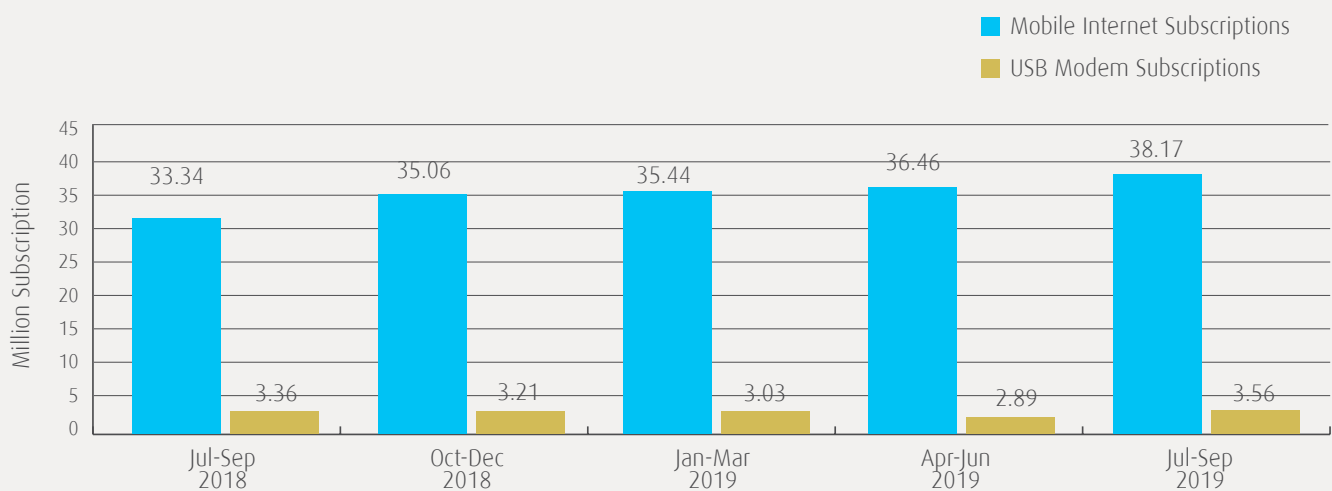


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority



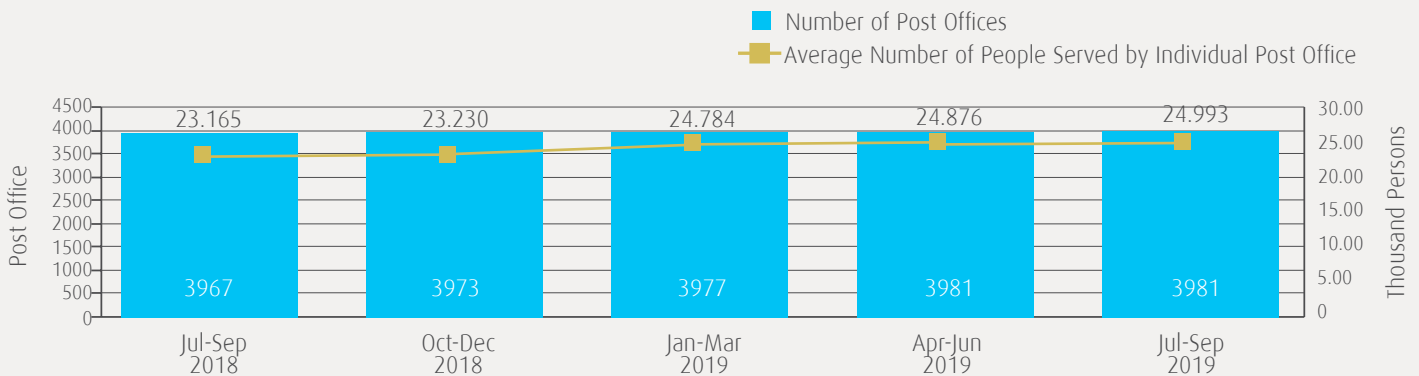
## Mobile Internet and USB Modem Subscriptions

- The number of Mobile internet subscribers reached 38.17 Million by the end of July - September 2019, compared to 33.34 Million at the end of July - September 2018.
- The number of USB Modem subscriptions reached 3.56 Million by the end of July - September 2019, compared to 3.36 Million at the end of July - September 2018.



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

- The total number of post offices increased to 3981 at the end of July - September 2019, compared to 3967 at the end of July - September 2018, reflecting an annual growth rate of 0.35%.
- The average number of people served by individual post offices was 24,993 thousand at the end of July - September 2019, compared to 23,165 thousand at the end of July - September 2018, representing an annual growth rate of 7.89%.

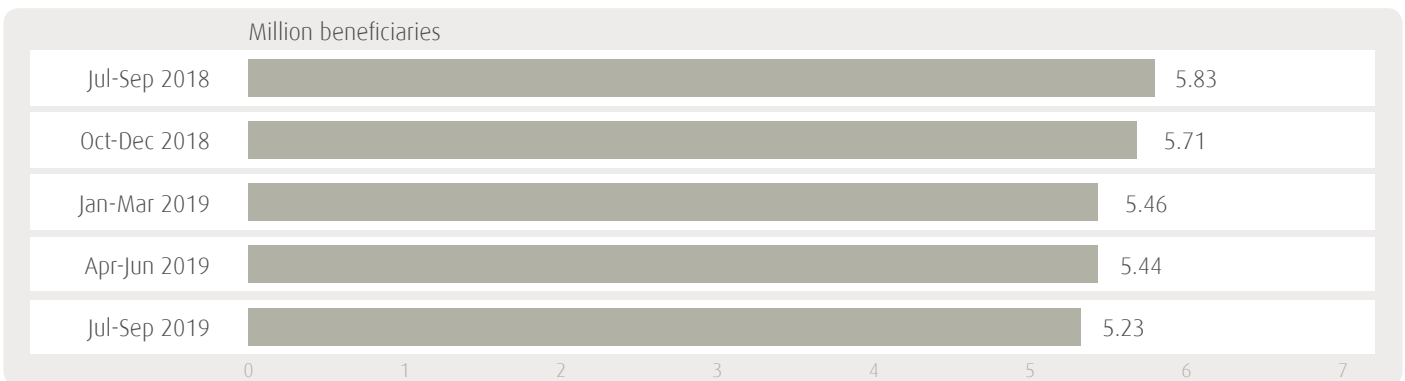


Source: Ministry of Communications and Information Technology, Egypt Post



## Number of Pensions Distributed Through Postal Offices

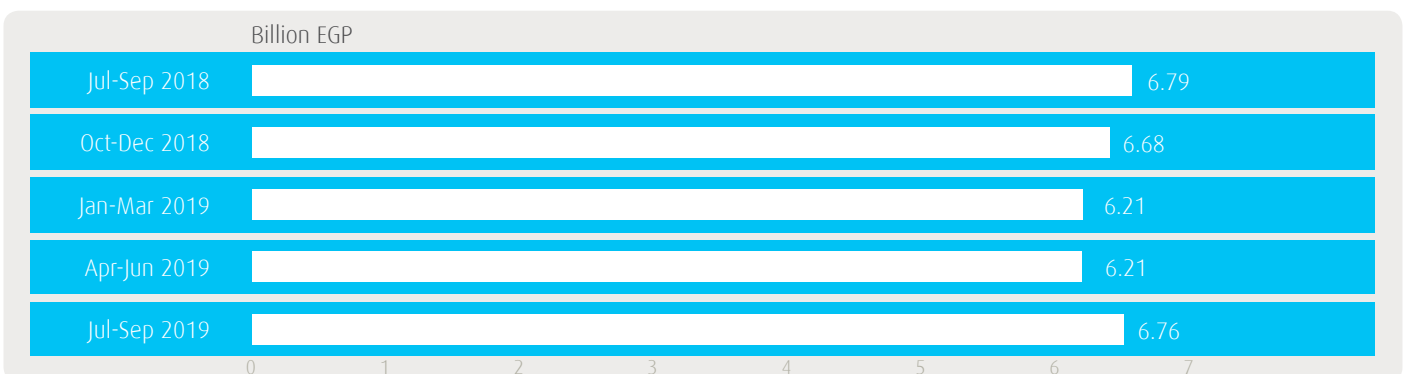
- The number of beneficiaries of pensions distributed through post offices increased to about 5.23 Million in July - September 2019, compared to 5.83 Million in July - September 2018.



Source: Ministry of Communications and Information Technology, Egypt Post

## Value of Pensions Distributed Through Postal Office

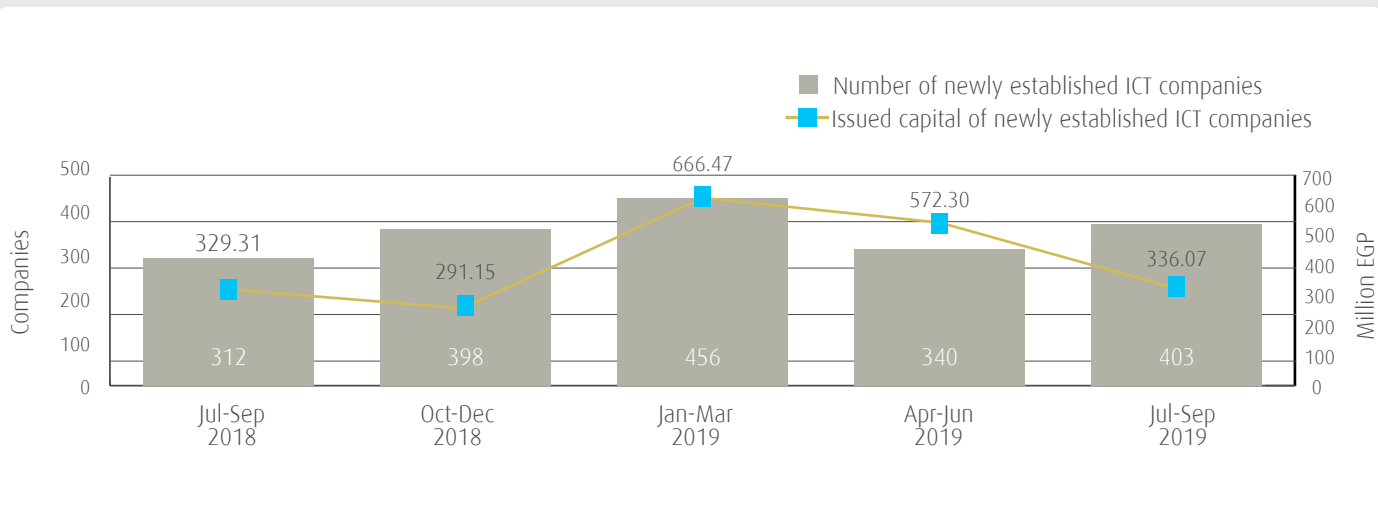
- The value of pensions distributed through post offices reached 6.76 billion EGP in July - September 2019, compared to 6.79 billion EGP in July - September 2018.



Source: Ministry of Communications and Information Technology, Egypt Post

## Number of Newly Established ICT Companies and Issued Capital

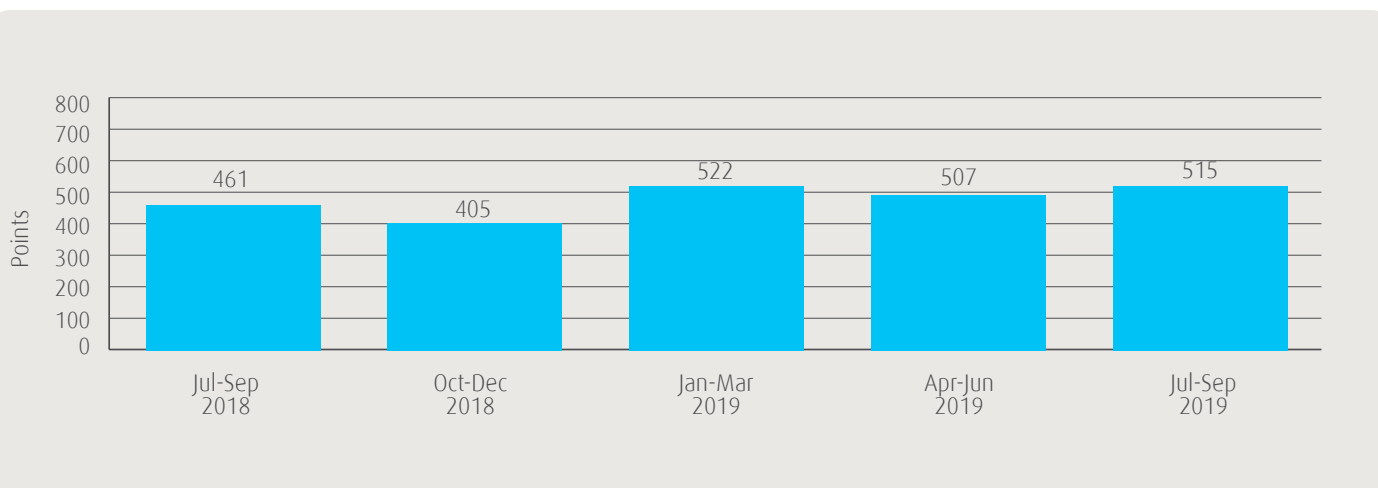
- The number of newly established ICT companies reached 403 in July - September 2019, compared to 312 in July - September 2018.
- The number of issued capital of newly established ICT companies reached 336.07 Million EGP in July - September 2019, compared to 329.31 Million EGP in July - September 2018.



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



- The telecommunications index in Egypt's Stock Exchange reached 515 points during July - September 2019, compared to 461 during July - September 2018.



Source: Egypt's Stock Exchange

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

\* It is worth mentioning that there are differences between the values shown above and the values previously published. This is because Egypt's 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.

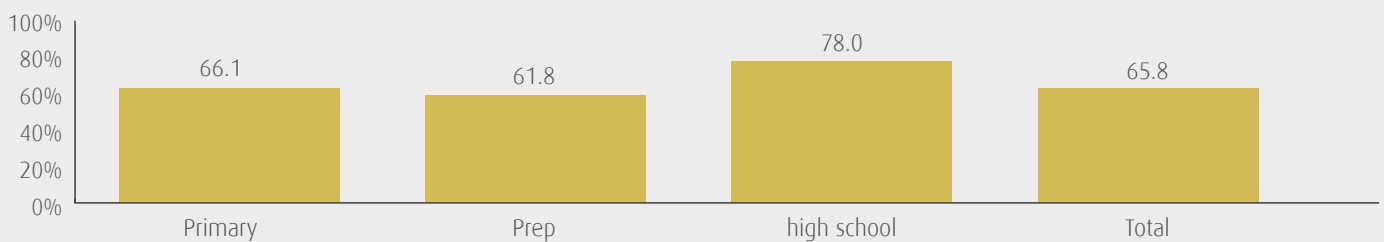
Source: Egypt's Stock Exchange.

# The ICT Sector's Role in Development

- Proportion of primary schools using Internet: 66.1%
- Proportion of primary schools using computers for educational purposes: 92%
- Proportion of schools using Internet in educational purposes: 25.8%
- Proportion of teachers using computers: 92.2%
- Proportion of students using computers: 89.8%
- Proportion of students using computers in preparing school reports and research papers: 44.5%
- Number of graduates who received software training by ITIDA, till September 2019: 24.34 thousand
- Number of ITI graduates till September 2019: 13.11 thousand

## Internet Usage in Schools According to Education Levels

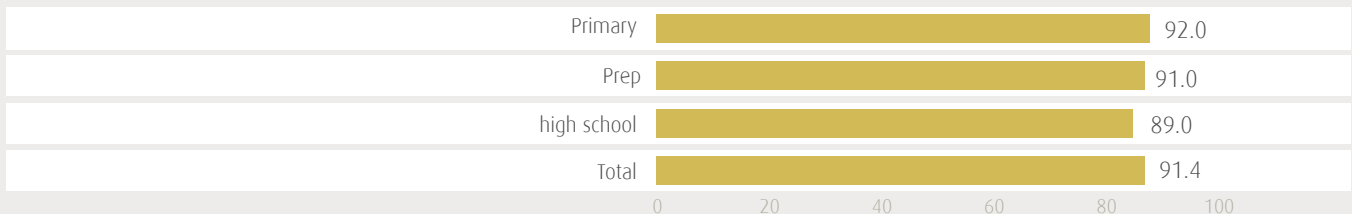
■ The percentage of using Internet in primary schools is 66.1%, in preparatory schools is 61.8%, and in high schools is 78%. The total use in all school levels is 65.8%.



Source: The Ministry of Education 2018-2019

## Schools Using computers for Educational Purposes According to Education Levels

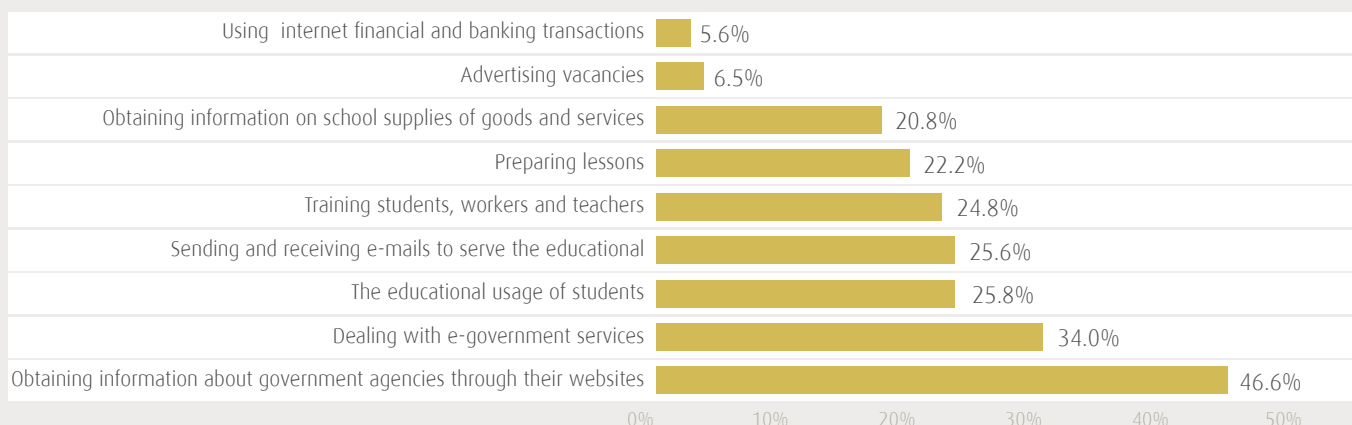
■ The percentage of using computers for educational purposes in primary schools is 92.01%, in preparatory schools is 91.03%, and in high schools is 89.78%. The total use in all school levels is 91.4%.



Source: The Ministry of Education 2018-2019

## Internet Activities Undertaken in schools

■ The percentage of using Internet in schools in obtaining information about government agencies through their websites is 46.6%, 34% in dealing with e-government services, 25.8% in students' educational usage, 25.6% in sending and receiving e-mails serving education, 24.8% in training students, workers and teachers, 22.2% in preparing lessons, 20.8% in obtaining information on school supplies, goods and services, 6.5% in advertising vacancies, and 5.6% in financial and banking transactions.

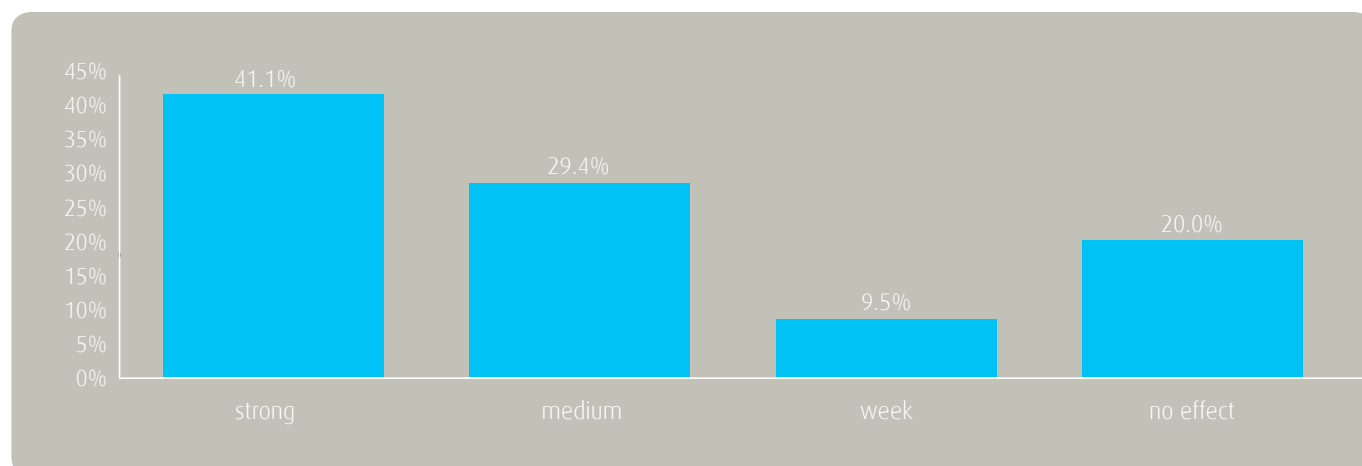


Source: MCIT survey "Usages of ICT in schools, 2018-2019"



## Contribution of Students' Usage of ICT Tools in Enhancing their Ability to Understand

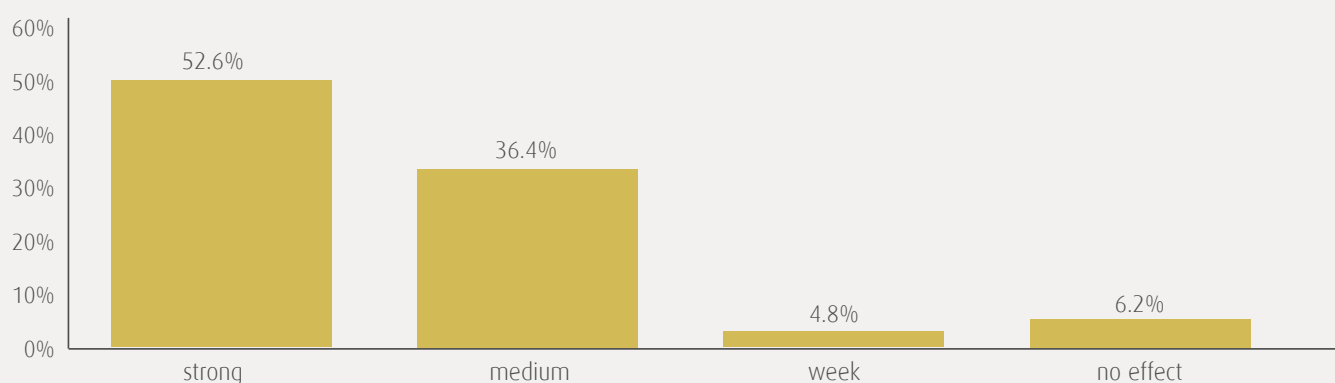
- The students' usage of ICT tools leads to a high increase in their understanding abilities by 41.1%, medium increase by 29.4% and low increase by 9.5%.



Source: MCIT survey "Usages of ICT in schools, 2018-2019"

## Contribution of Teachers' Usage of ICT Tools in Enhancing their Ability to Teach

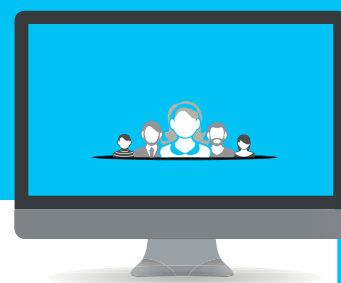
- The teachers' usage of ICT tools leads to a high increase in their teaching abilities by 52.6%, medium increase by 36.4% and low increase by 4.8%.



Source: : MCIT survey "Usages of ICT in schools, 2018-2019"

## Teachers' usage of ICT tools

- The percentage of teachers using computers anywhere is 92%, while 93.2% of teachers use Internet anywhere.



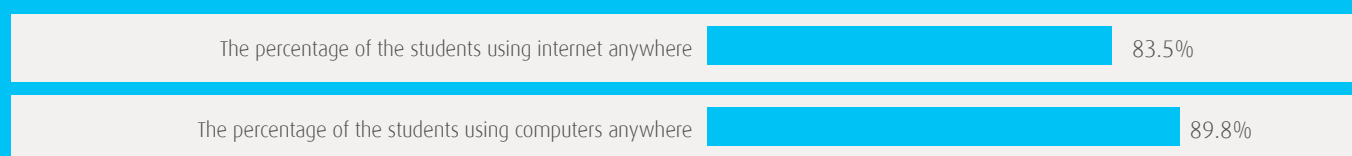
The percentage of the teachers using internet anywhere 93.2%

The percentage of the teachers using computers anywhere 92.0%

Source: MCIT survey "Usages of ICT in schools, 2018-2019"

## Students' usage of ICT tools

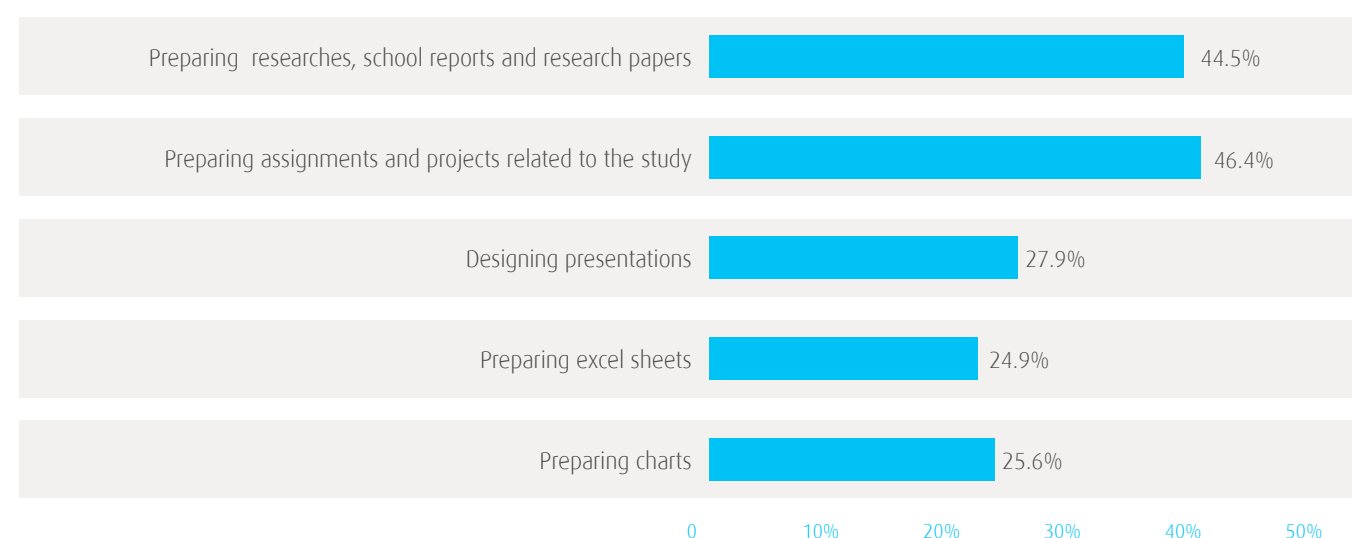
- The percentage of students using computers anywhere is 89.8%, while 83.5% of students use Internet anywhere.



Source: MCIT survey "Usages of ICT in schools, 2018-2019"

## Educational Activities Undertaken by Students on Computers

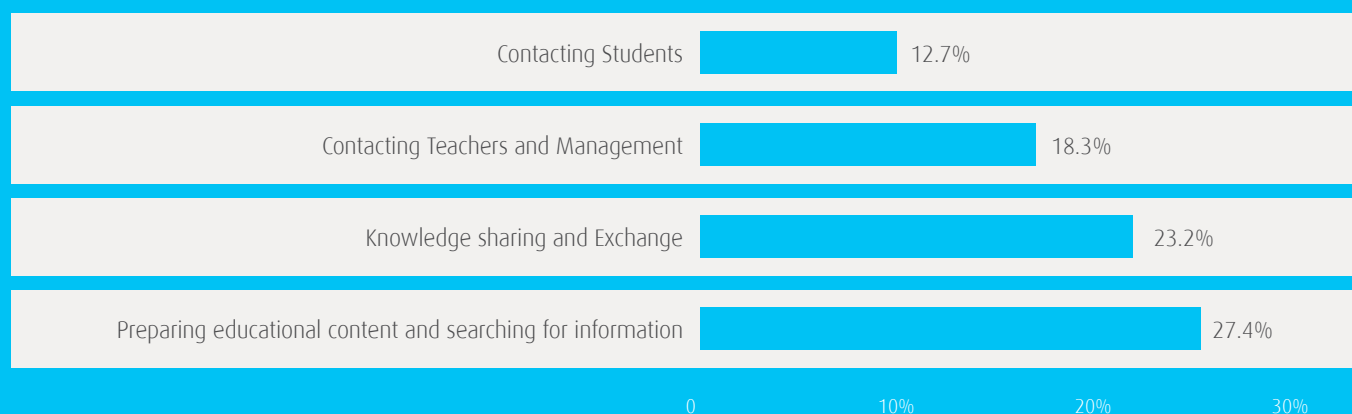
- The percentage of students' usage of computers in preparing school reports and research papers is 44.5%, in preparing assignments and projects related to the study is 46.4%, in designing presentations is 27.9%, in preparing excel tables is 24.9%, and in preparing charts is 25.6%.



Source: MCIT survey "Usages of ICT in schools, 2018-2019"

## Educational Activities Undertaken by Teachers on the Internet

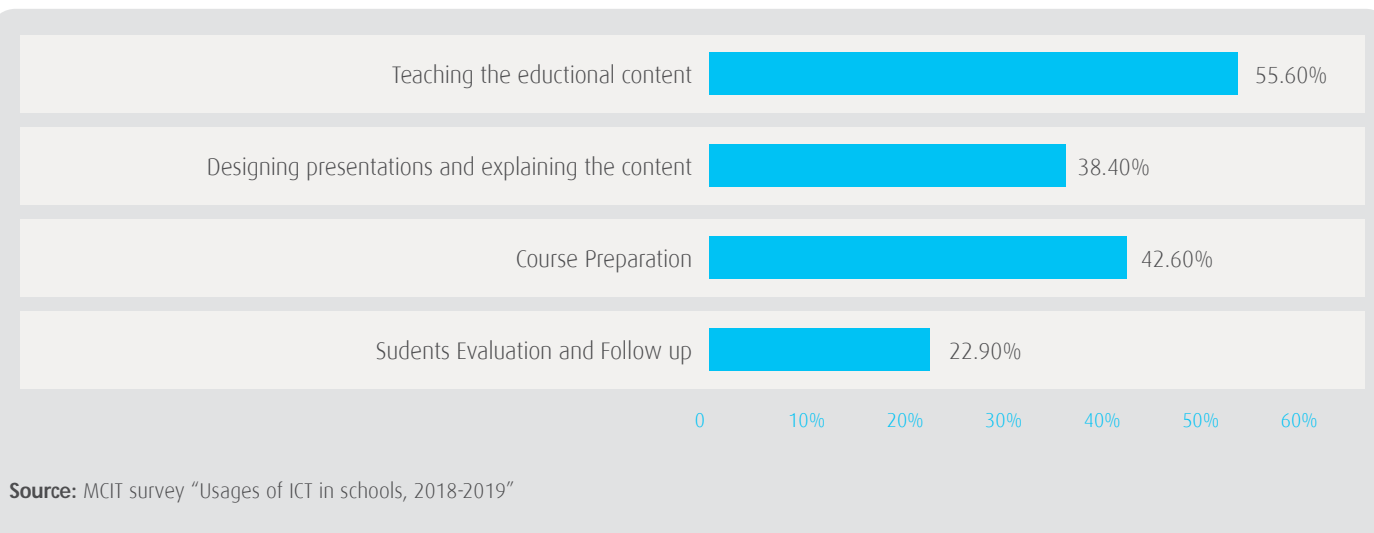
- The percentage of teachers' usage of Internet in preparing educational content and searching for information is 27.4%, sharing knowledge and experiences by communicating with others is 23.2%, e-communication with school administration or other teachers through e-mail, school website or social media networks is 18.3%, and in e-communication with students through e-mail, school website or social media networks is 12.7%.



Source: MCIT survey "Usages of ICT in schools, 2018-2019"

## Educational Activities Undertaken by Teachers on Computers

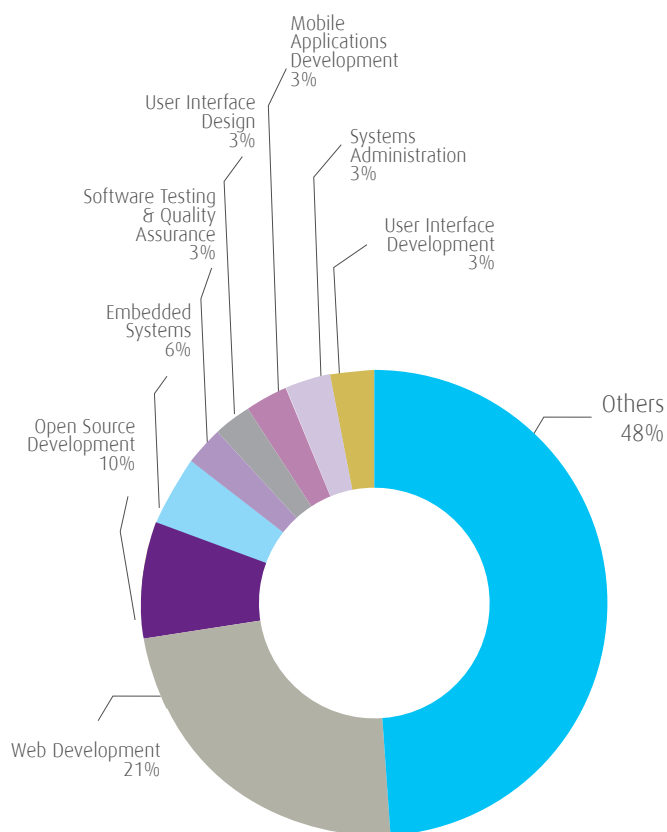
- The percentage of teachers' usage of computers in teaching the educational content is 55.6%, in designing presentations and explaining the content is 38.4%, in preparing the educational content is 42.6% and in following up and evaluating students is 22.9%



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

Training Track	July- Sep. 2019
Web Development	195
Open Source Development	89
Embedded Systems	58
Software Testing and Quality Assurance	30
User Interface Design	28
Mobile Applications Development	26
Systems Administration	25
User Interface Development	24
Others	447
<b>Total</b>	<b>922</b>

\*According to the latest figures.



Source: The Ministry of Communications and Information Technology and the Information Technology Institute

## ICT Sector's Infrastructure Indicators

- Mobile subscriptions reached 94.90 Million in July - September 2019, compared to 94.59 Million in July - September 2018, representing an annual change rate of 0.33%.
- Mobile penetration reached 95.38 % in July - September 2019, compared to 102.93% in July - September 2018, representing an annual change rate of -7.55%.
- Mobile Internet subscriptions reached 38.17 Million in July - September 2019, compared to 33.34 Million in July - September 2018, representing an annual change rate of 14.47%.
- USB Modem subscriptions reached 3.56 Million in July - September 2019, compared to 3.36 Million in July - September 2018, representing an annual change rate of 5.93%.
- ADSL subscriptions increased to 7.12 Million in July - September 2019, compared to 6.21 Million in July - September 2018, representing an annual change rate of 14.6%.

## ICT Sector's Role in Development

- The percentage of preparatory schools using Internet reached 61.8%, while high schools reached 78%.
- The percentage of preparatory schools using computer for educational purposes reached 91%, while high schools reached 90%.
- Teachers' usage of ICT tools leads to a high increase in their teaching abilities by 52.6%.
- The number of ITI graduates till July - September 2019 reached 13.11 thousand.
- The number of graduates who received software training, till July - September 2019 is 24.34 thousand.