



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology

# ICT Indicators Report

2008-2012

- Infrastructure Indicators
- ICT Sector's Role in Development
- The Impact of ICT Usage on Different Sectors

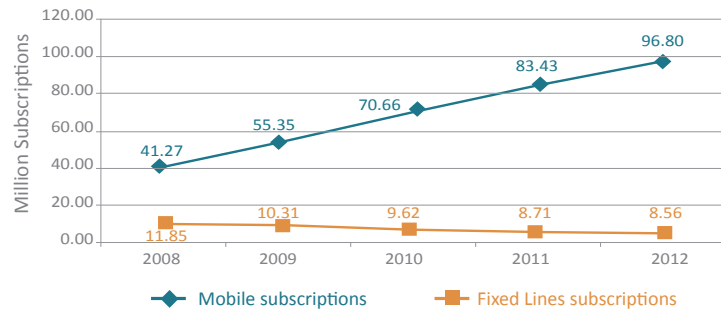
# 1- Infrastructure Indicators

- **Mobile and Fixed Telephone Lines**
  - Fixed and Mobile Lines Subscriptions
  - Fixed lines and Mobile Penetration
- **Internet**
  - Estimated Internet Users and Internet Penetration
  - Estimated Internet Users by Mode of Access
  - International Internet Bandwidth and International Internet Bandwidth per Inhabitant
- **Post**
  - Post Offices and Average Number of People Served by Postal Offices
  - Number of Pensions Distribution through Postal Offices and the Number of Pensions Distribution through Postal Offices to Residential Places
  - Number of Instant Postal Financial Transfers



## Mobile and Fixed Telephone Lines

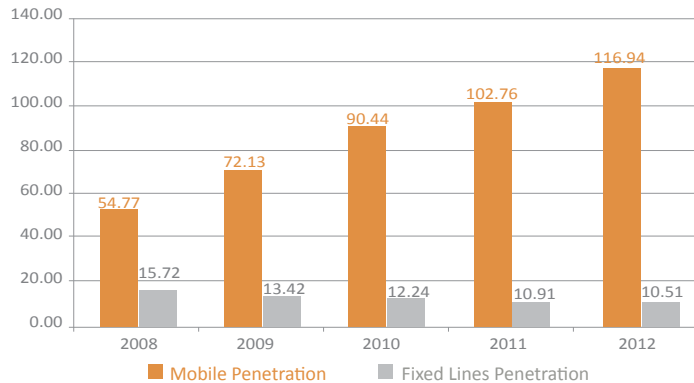
### Fixed and Mobile Subscription



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

- Growth rate of fixed line and mobile subscription in 2012 compared to 2011: 14.34%
- Average annual growth rate of fixed line and mobile subscription during (2008-2012): 20.71%.

### Fixed Line and Mobile Penetration

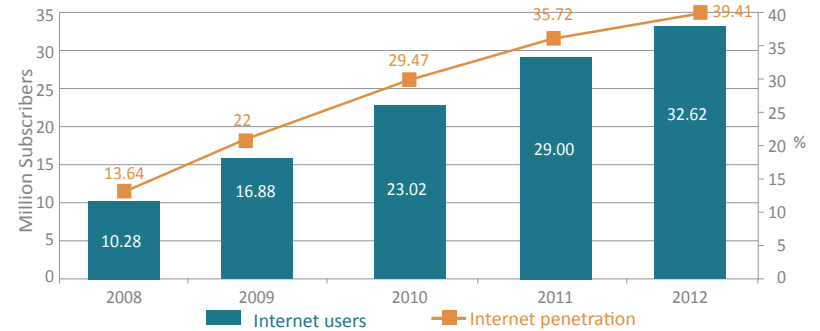


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority, Telecom Egypt.

- Growth rate of mobile penetration in 2012 compared to 2011: 14.19%.
- Average annual growth rate of mobile penetration during (2008-2012 ): 15.25%.

## Internet

### Estimated Internet Users and Internet Penetration\*

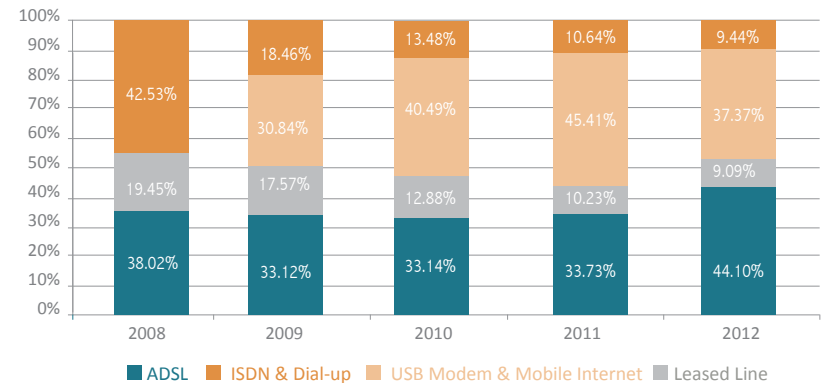


\* Including mobile internet users and USB modem starting from June 2009.

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

- Growth rate of estimated internet users 2012 compared to 2011: 12.47%.
- Average annual growth rate of estimated internet users during (2008 - 2012 ): 28.64%.
- Proportion of mobile internet users of total mobile subscriptions in 2012: 11.24 %
- Proportion of mobile internet users of total internet users in 2010: 33.24 %

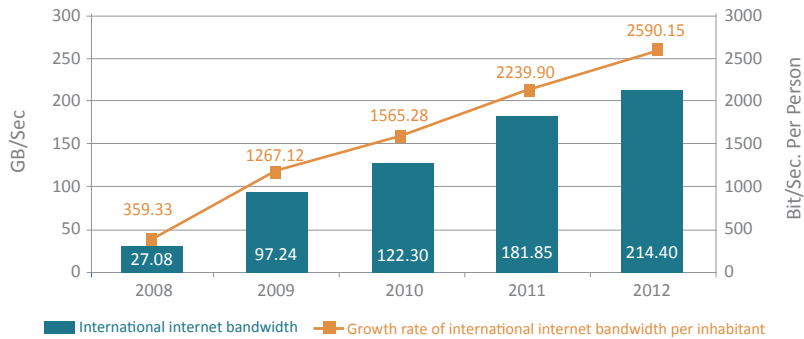
### Estimated Internet Users by Mode of Access



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

- Broadband internet users accounted for 90.56 % of total internet users in 2012 compared to 57.47% in 2008.
- Narrowband internet users accounted for 9.44% of total internet users in 2012 compared to 42.53% in 2008.

## International Internet Bandwidth

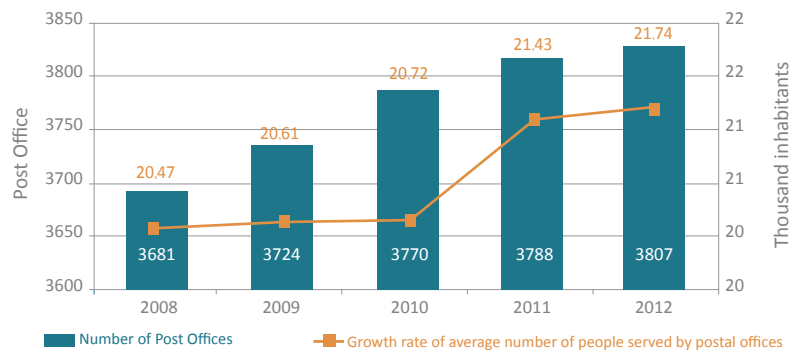


Source: Ministry of Communications and Information Technology, National Telecom Regulatory Authority.

- Growth rate of international internet bandwidth 2012 compared to 2011 : 17.90%.
- Average annual growth rate of international internet bandwidth during (2008 - 2012 ) : 86.73%
- Growth rate of international internet bandwidth per inhabitant 2012 compared to 2011: 15.6%.
- Average annual growth rate of international internet bandwidth per inhabitant during (2008 - 2012 ) : 82.74%.

## Post

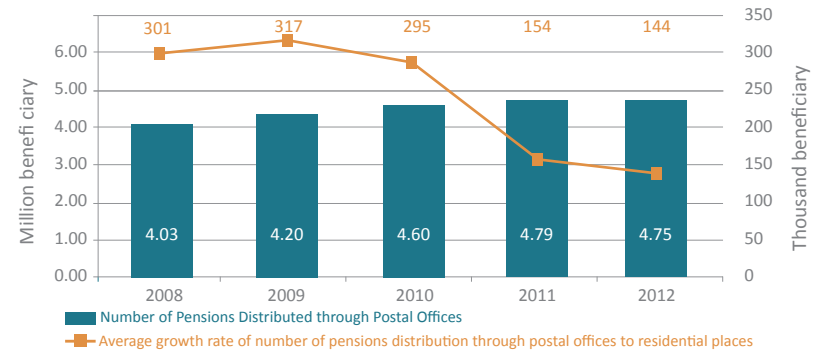
### Number of Post Offices



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

- Growth rate of number of post offices 2012 compared to 2011: 0.50%.
- Average annual growth rate of number of post offices during (2008 - 2012 ) : 0.94%.
- Growth rate of average number of people served by postal offices in 2012 compared to 2011: 1.45%.
- Average annual growth rate of average number of people served by postal offices during (2008 - 2012 ) : 1.33%

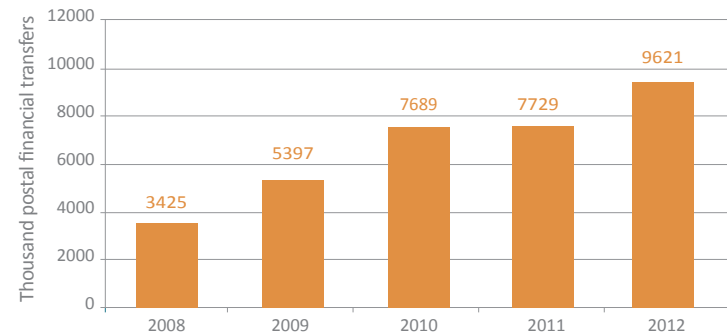
## Number of Pensions Distributed through Postal Offices



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

- Growth rate of number of pensions distribution through postal offices in 2012 compared to 2011: -0.84%.
- Average annual growth rate of number of pensions distribution through postal offices during (2008 - 2012 ) : 8.60%
- Growth rate of number of pensions distribution through postal offices to residential places in 2012 compared to 2011: -6.6%.
- Average growth rate of number of pensions distribution through postal offices to residential places during (2008 - 2012 ) : -14.0%

## Number of Instant Postal Financial Transfers



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

- Growth rate of number of instant postal financial transfers 2012 compared to 2011: 24.48%.
- Average annual growth rate of instant postal financial transfers during (2008 - 2012 ) : 31.3%.

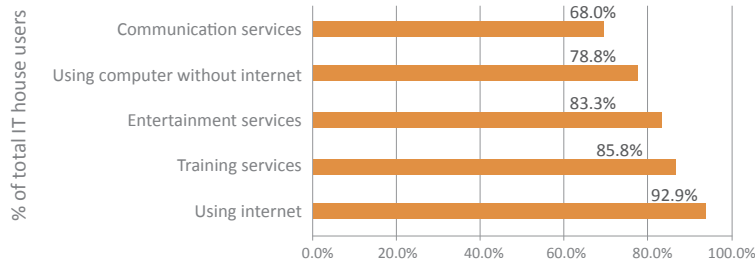


## 2- ICT Sector's Role in Development

- **IT House**
  - Main ICT activities by users of IT House
  - Impact of using ICT Services in IT House
- **Households**
  - ICT usage by Households
  - Households connected to the Internet from Home by Access Mode
- **Private Sector**
  - ICT Usage by Private Sector
  - Internet Activities Undertaken by Private Sector
  - Types of R&D Applied by Private Sector in last 5 years
  - The impact of R&D on Private Sector
- **Government Sector**
  - Uses of ICT in Government Sector
  - Internet Activities Undertaken by Government Sector
- **Pre-University Education**
  - Uses of ICT in Pre- University Education
  - Computer Activities Undertaken by Pre- University Education
  - Internet Activities Undertaken by Pre- University Education
- **University Education**
  - ICT Usage by University Education
  - Computer Activities Undertaken by University Education
  - Internet Activities Undertaken by University Education

## IT House

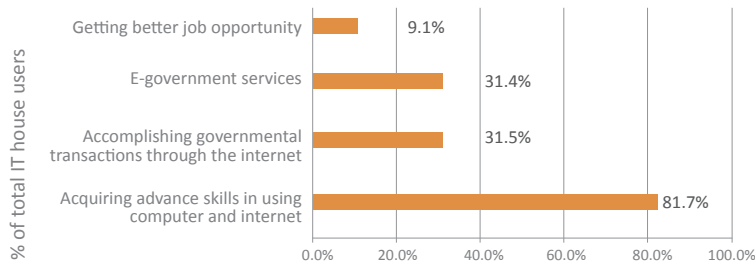
### Main ICT activities by users of IT House:



\* Multiple answers are allowed

source: "survey of ICT usage in IT House conducted" by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

### Impact of using ICT Services in IT House

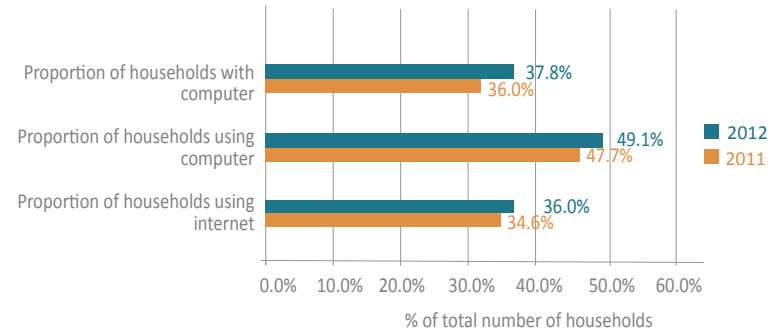


\* Multiple answers are allowed

source: "survey of ICT usage in IT House conducted" by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

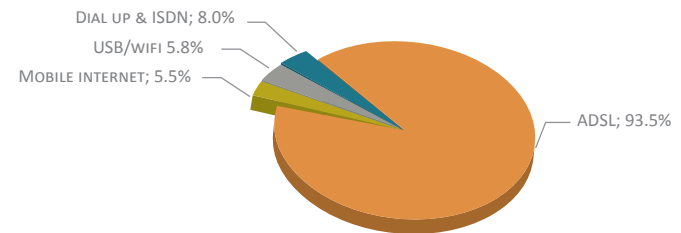
## Households

### ICT usage by Households



source: "survey of ICT usage in Households and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), different issues .

### Households connected to the Internet from Home by Access Mode

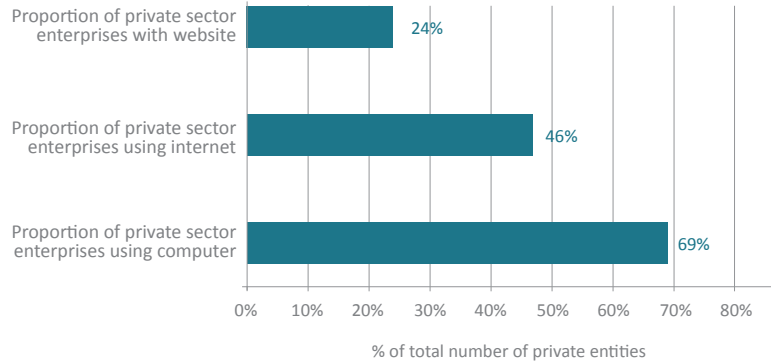


% of total number of households using internet from home

source: "survey of ICT usage in Households and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2012 .

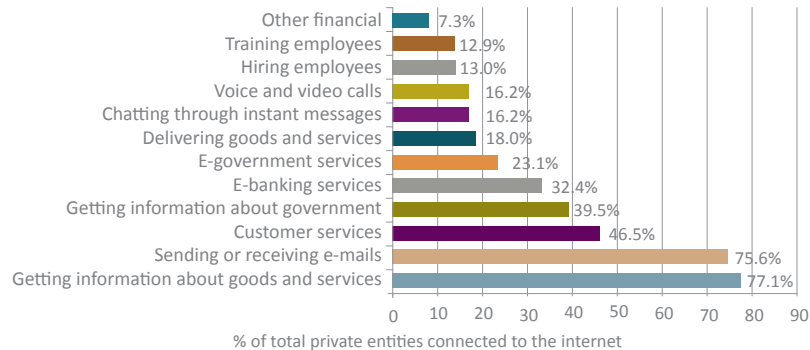
## Private Sector

### ICT Usage by Private Sector



source: "survey of ICT usage in Businesses", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

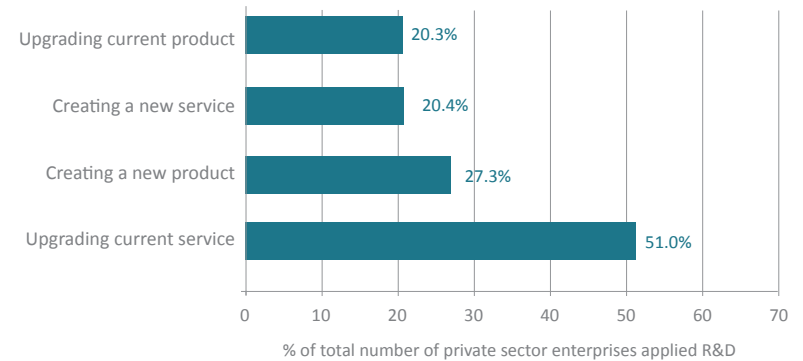
### Internet Activities Undertaken by Private Sector



\* Multiple answers are allowed.

source: "survey of ICT usage in Businesses", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

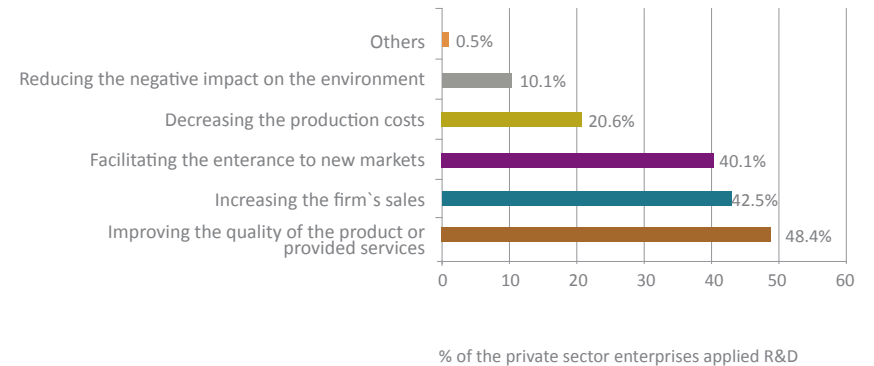
### Types of R&D Applied by Private Sector in the last 5 years



\* Multiple answers are allowed.

source: "survey of ICT usage in Businesses", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

### The Impact of R&D on Private Sector\*

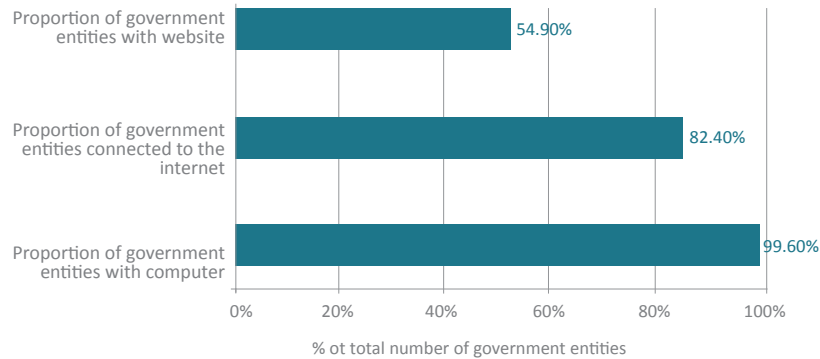


\* Multiple answers are allowed.

source: "survey of ICT usage in Businesses", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

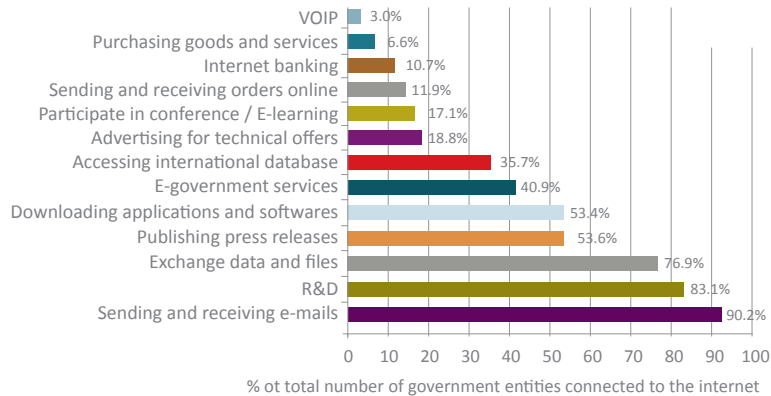
## Government Sector

### Uses of ICT in Government Sector



source: "survey of ICT usage in Government Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

### Internet Activities Undertaken by Government Sector

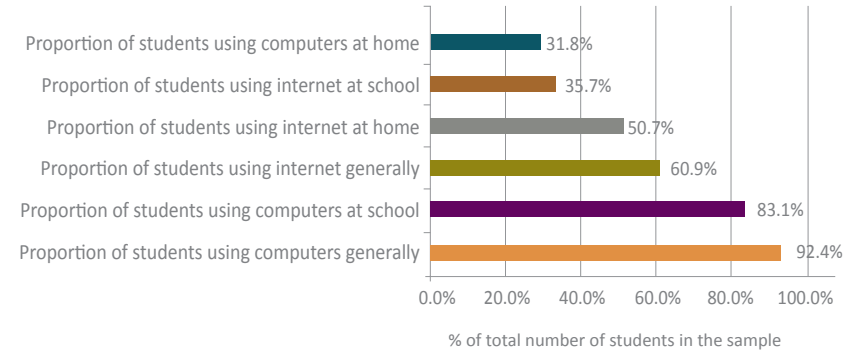


\* Multiple answers are allowed

source: "survey of ICT usage in Government Sector", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

## Pre-University Education

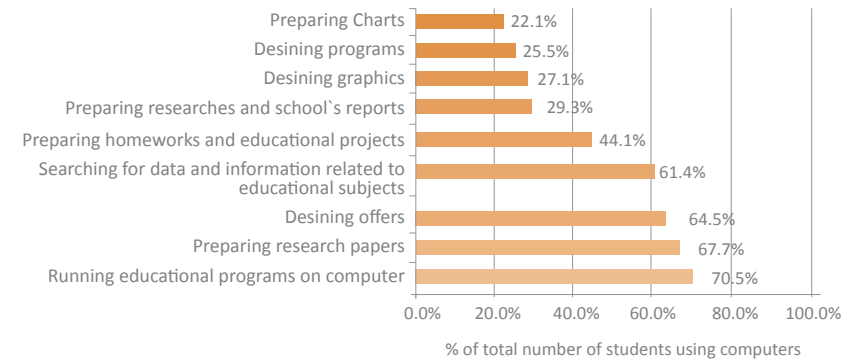
### Uses of ICT in Pre- University Education\*



\* Multiple answers are allowed

source: "survey of ICT usage in Pre- University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.

### Computer Activities Undertaken by Students in Pre-University Education

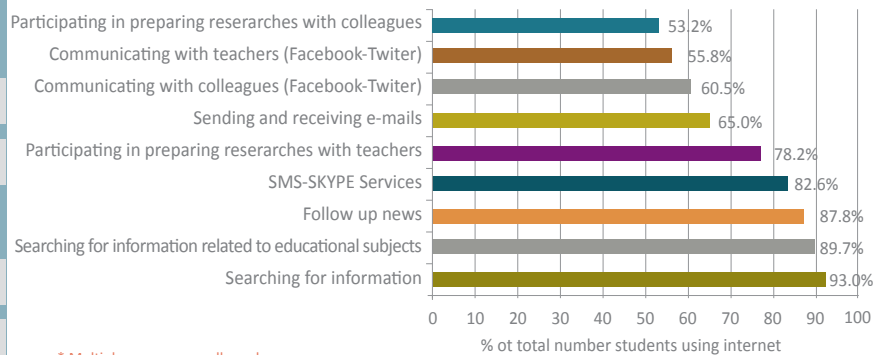


\* Multiple answers are allowed

source: "survey of ICT usage in Pre- University Education", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011.



## Internet Activities Undertaken by Students in Pre-University Education

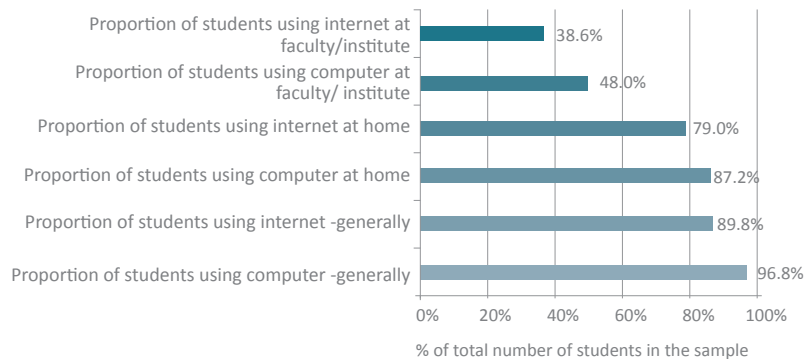


\* Multiple answers are allowed

source: "survey of ICT usage in Pre- University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011 .

## University Education

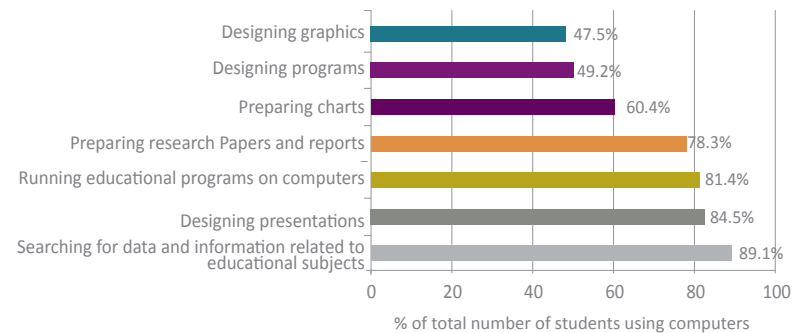
### ICT Usage by Students in University Education



\* Multiple answers are allowed

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), 2011 .

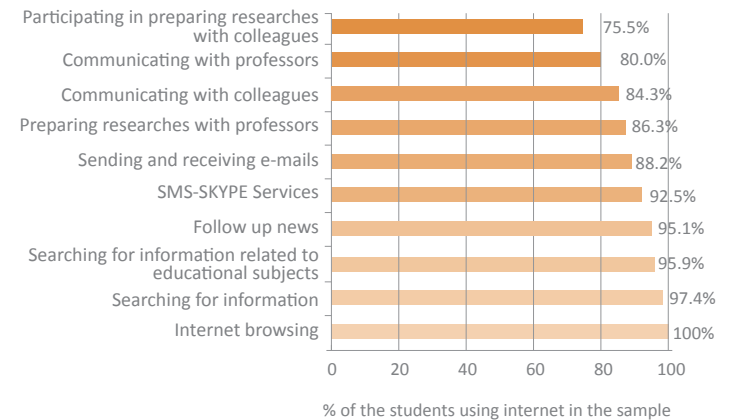
## Computer Activities Undertaken by Students in University Education



\* Multiple answers are allowed

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## Internet Activities Undertaken by Students in University Education



\* Multiple answers are allowed

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), 2011 .

## 4- The Impact of ICT Usage on Different Sectors

### ■ Pre-University Education

- The relation between the computer usage by students in preparing assignments and their grades
- The relation between the internet usage by students in getting educational information and their grades

### ■ University Education

- The relation between the computer usage by students in preparing assignments and educational projects and their grades
- The relation between the internet usage by student in getting educational information and their grades

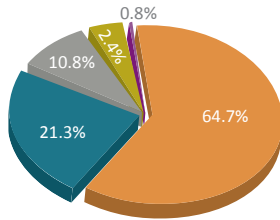


## Pre-University Education

The relation between the computer usage by students in preparing assignments and their grades

% of total number of students using computers

- 50-59%
- 60-69%
- 70-79%
- 80-89%
- 90-100%



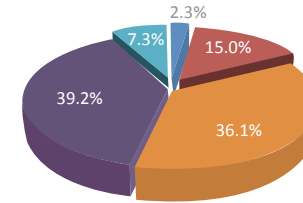
source: "survey of ICT usage in Pre- University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011 , included 10000 students in Pre-University education distributed according to the different education stages .

## University Education

The relation between the computer usage by students in preparing assignments and educational projects and their grades

% of total number of students using computers in preparing assignments and homework

- 50-59%
- 60-69%
- 70-79%
- 80-89%
- 90-100%

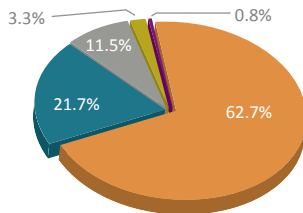


source: "survey of ICT usage in University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011 , included 5500 students in University education distributed according to the different education stages .

The relation between the internet usage by students in getting educational information and their grades

% of total number of students using internet

- 50-59%
- 60-69%
- 70-79%
- 80-89%
- 90-100%

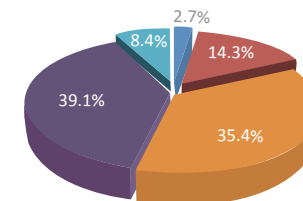


source: "survey of ICT usage in Pre- University Education ", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS), 2011 , included 10000 students in Pre-University education distributed according to the different education stages .

The relation between the internet usage by students in getting educational information and their grades

% of total number of students using internet getting educational information

- 50-59%
- 60-69%
- 70-79%
- 80-89%
- 90-100%



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), 2011 , included 5500 students in University education distributed according to the different education stages .