



Basics of ICT and Uses in Education

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Let me Introduce myself

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Hope you will get a new
experience of learning today with
me.

LETS Start!!!!!!!!!!!!!!!!!!!!!!!!!!!!

**WE ARE GOING TO LEARN
ABOUT ICT AND ITS USE IN
EDUCATION IN NEXT 90MIN**



Let enlist our objectives

- Understanding/sharing the basics of ICT
- Exploring the role/importance of ICT in society
- Explanation and examples of ICT
- ICT in Learning and Teaching
- Description of history and developments of Computer
- Distinguish different generations
- Classification of computers
- General terms/parts of computer



Have you ever used ICT?

- Have you not made a call ever on Cell phone?
- Have you not send an IM using your Cell phone?
- Have you not used Internet/email before?
- Have you not listend Radio ever?
- Have you net watched TV ever?
- Have you never used any computer ever?
- Yes, Of course everyone of you do it daily, I am sure.
- This is all about ICT.....



ICT introduction

- **Information:** referred as **processed form of data** which can be recorded, organized and transmitted.
- **Communication:** Transfer of ideas(data & information) through systems, devices such as computer, cell phones, internet, TV etc.
- **Technology:** the way one make, modify and use tools, techniques, systems and machines to solve problems efficiently.

Components of ICT

The term information and communications technology (ICT) is generally accepted to mean all technologies that, combined, allow people and organizations to interact in the digital world.





Basic concepts of ICT

- Comprises of different **communication devices**
- Continuously evolving **products and services**
- Manufacturing of ICT- Equipment
- Variety of services like Software development and Apps
- **Global Village** : easy communication and sharing of ideas
- Refers to those technologies that provide access to **information** by means of telecom.



Resources of ICT

- Input devices
 - Touch Screen and Cameras
 - Personal Computers
 - Students Response Systems
 - Tablet PC
 - Application Software
- Output devices
 - Projector
 - Interactive whiteboards
 - Montiors
 - Printers



Major mediums of ICT (Application)

- Internet and Computer
 - Web, email, video conference, Social media
 - Converting seminar into webinars, universities into Virtual universities
 - online education, e-business, e learning, e commerce
- Cell phones
 - Calling, IM, communication, games, entertainment
 - Mobile Apps



Examples of ICT application

- **FB** groups for communication and sharing
- **Whatsapp** Groups for quick and multimedia messaging
- **Skype** for calling and online lectures and education by group calls
- **Teamviewer** for remote access
- **YouTube** for gigantic source of information in video format
- Mobile apps and software for routine tasks like word processing, spreadsheet, and presentations



ICT in Teaching and Learning

- Lets try to enlist the benefits of using ICT in teaching and learning....
- Do you agree that we can teach well?
- Do you agree that students can learn well?
- Do you think one can present well?
- Do you agree one can work efficiently?
- Then why?
- Why we hesitate to use it?



Application in Education

- E leaning
- Open and Distant Learning
- Blended learning
- Distributed learning

Any question about ICT and
teaching and learning via ICT

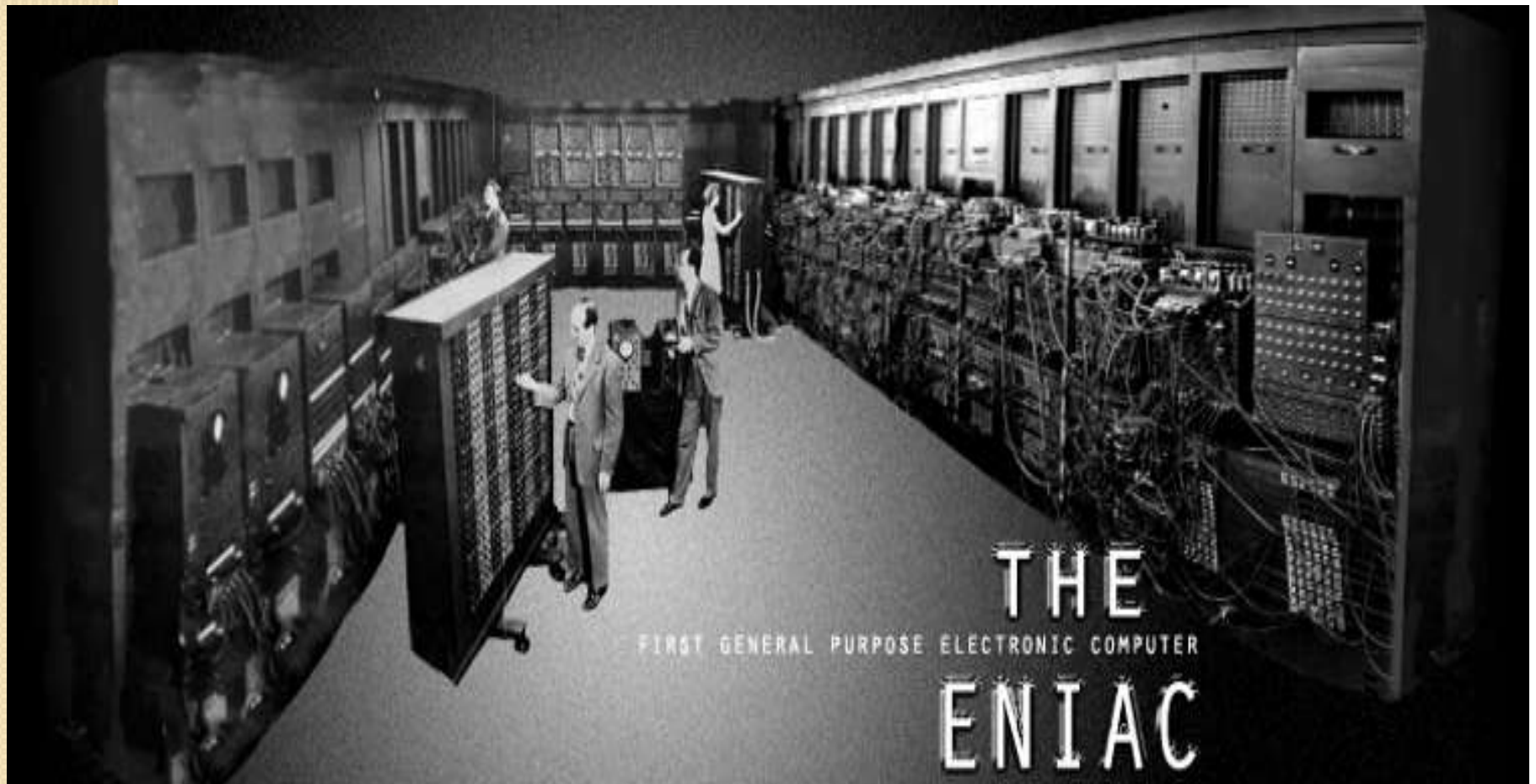


TAKE A BREATHE
....NOW

Lets start again with a puzzle

- Guess what machine we are going to find?
- Few tips about that are
- "Giant Brain"
- cost was about \$487,000, equivalent to \$6,740,000 in 2016
- It weighed more than 30 tons
- Size was (8 × 3 × 100 feet) in size, occupied 167 m² (1,800 ft²)
- It consumed 150 kW of electricity.

Lets start again with a puzzle: An Earliest Computer



Any Question please.....



**I HOPE YOU WOULD HAVE
ENJOYED TODAY'S CLASS
SEE YOU TOMORROW**



Use of ICT in Education

- Lesson Planning (software and webs) shared with parent using ICT (planbook.com)
 - ICT based feedback and tasks
 - Monitoring using ICT cameras
- Classroom Presentation (multimedia)
 - PowerPoint
 - Hardware
 - Multimedia programs – text, color, audio, video and animations
- Storing and organizing data
- Sharing information



Use of ICT in Education

- Storing and organizing data
 - File organization
 - Storing data (main memory and secondary storages)
 - Internal, external and Network-attached-devices like cloud storage
 - Optical medias and online storage like G-Drive
- Sharing information
 - Internet
 - Email
 - Online blogs, forrums
 - Video conferencing



Thank you

Habib Ullah Qamar

For slides

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