



Module 1. ICT as a digital industry. An ICT role in key sectors of development of society.

Definition of ICT

- According to the definition of Development Program of Organization of United Nations in 2003:
- ICT is, mainly, a tool for processing information - a wide range of products, software and services that are used for production, storage, processing, distribution and exchange of information. They also include "old" ICTs, including radio, TV and telephony, as well as "new" ICTs, including computers, mobile phones and the Internet.



What is ICT discipline?

- Information and communication technologies (ICT) in the discipline are regarded as modern methods and means of communication of people in a normal and professional activities with the help of information technologies for the search, collection, storage, processing and dissemination of information.



Subject of ICT and purpose

Discipline "ICT" is used for the formation of an ideology in the field of information and modern information culture, i.e. the ability to interact with information, professional use for receiving, processing, transmitting and storing it.

The purpose of the discipline is to teach students to gain information and communication competencies that will enable the use of modern information technologies in various areas of professional activity, scientific and practical work, self-education and for other purposes.

What is ICT in industry?

- ICT is defined as an industry, i.e. as a set of enterprises and organizations engaged in economic activities related to the design, production and trade of software, computing, communications equipment, consumer electronics and its components

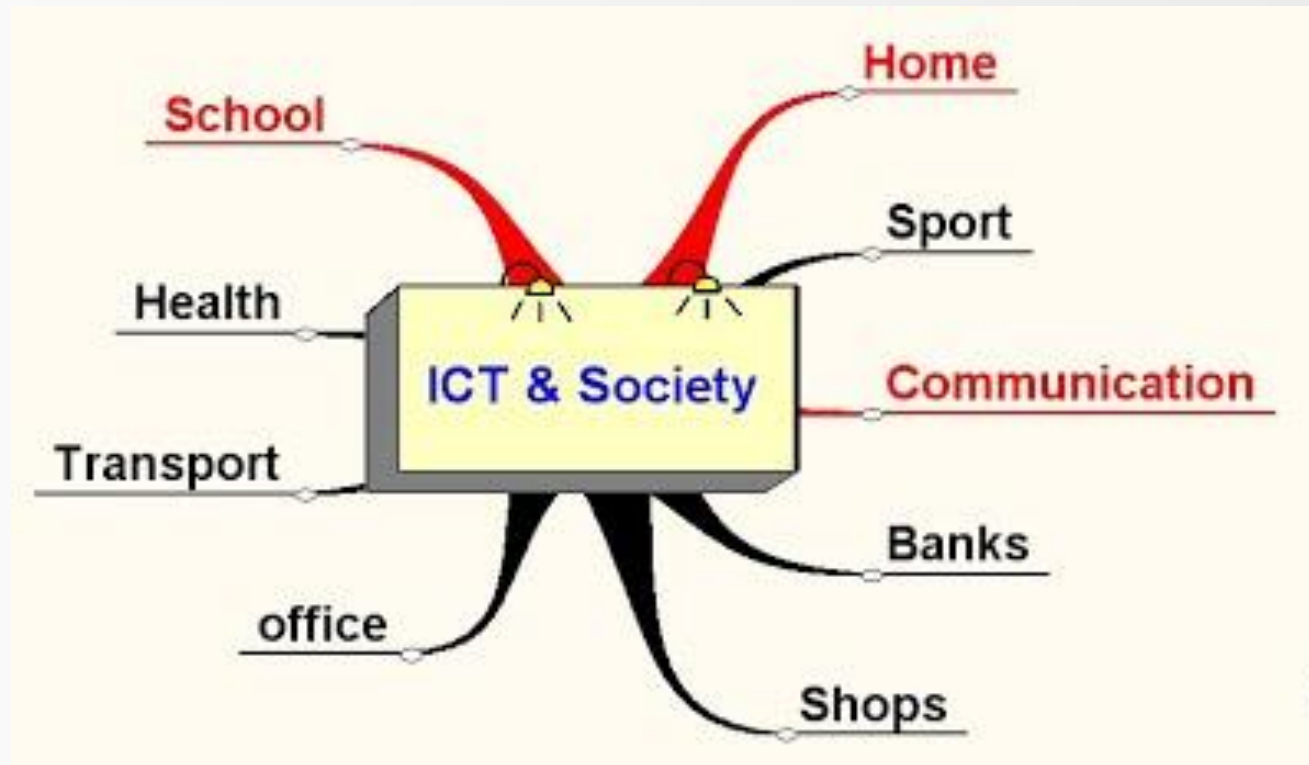


ICT is:

Information	Technologies
Creation	Personal Computers, Digital camera, Scanner, Smartphone
Processing	Calculator, PC, Smartphone
Storage	CD, DVD, Pen drive, Microchip, Cloud
Display	PC, TV, Projector, Smartphone,
Transmission	Internet, Teleconference, Video conferencing, Mobile technology, Radio
Exchange	e-mail, Cellphone,

Impact of ICT in society

- ICT's impact on society is complex and has many factors. These include reducing the need for certain jobs while creating new opportunities in specialized fields.



ICT in business

- Today a lot of business transactions happen through internet and hence called e-commerce.



ICT in Financial Services

- Every service a traditional bank provides is available these days through online service.



ICT in entertainment

- Internet is a major source of entertainment. Internet is a hub of movies, games, books, and social networking. Due to digital broadcasting, the television experience itself is changing.



ICT in government

- **E-government** is the use of electronic communications devices, computers and the Internet to provide public services to citizens and other persons in a country or region.

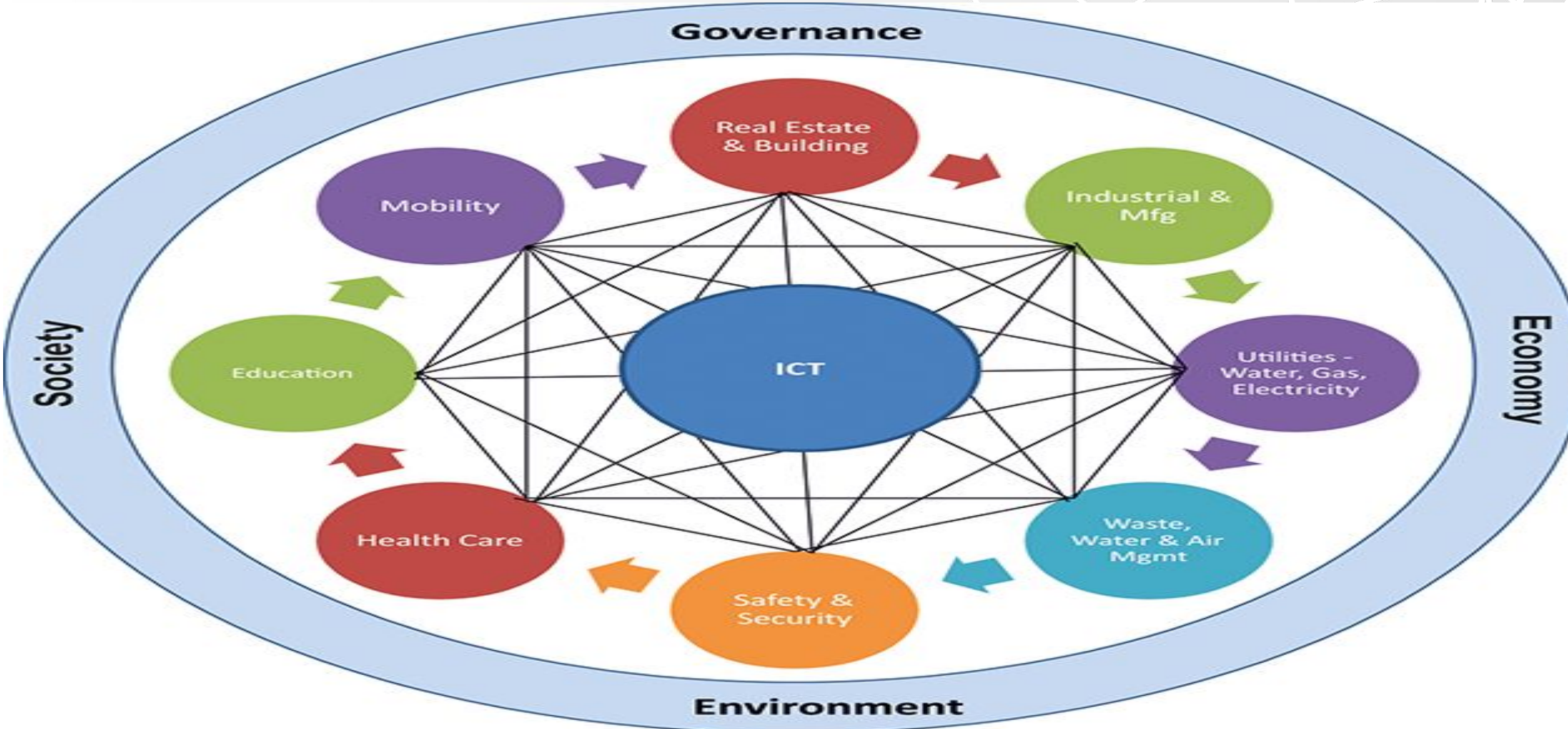


Prospects of development of E-technologies

- E-technology is expanding rapidly into many areas within telecommunications, biotechnology and automation. Industry and businesses rely on electronics technology for creating, manufacturing, and maintaining industrial machines.



ICT in everywhere



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Thank you for the attention