The Soviet Union launched Sputnik **Ted Nelson launched Project Xanadu** (the first hypertext project) Global navigation satellite system was invented

(provides automous geo-spatial positioning with global coverage)

dia"

ICT Milestones

1963	BASIC was invented (Beginner's All Purpose Symbolic Instruction Code) Geosynchronous satellite was invented (orbital track repeats regularly over points on Earth) Ted Nelson coined the term "hypertext" and "hypermed
1965	Minicomputer was invented

Communications Satellite was launched

Wearable Computer was invented

1967 Computer mouse was invented 1968 RAM chip was invented

1957

1960

1961

1962

- DARPA/ARPANET was founded 1969 (first network to implement the protocol suite TCP/IP) Wireless local area network was invented (the linking of two or more computers or devices using spread-spectrum 1970 or OFDM modulation technology) Microprocessor was invented
- 1971 Floppy Disk was invented E-mail was invented C (programming language) was invented 1972 The first Internet Service Provider (ISP) is born with the introduction 1974
- of a commercial version of ARPANET, known as Telenet. mid-Affordable personal computers were starting to be developed 1970's **USENET:** A worldwide distributed discussion system available on comuters 1980 Ethernet standard introduced. Ethernet is a family of computer networking technologies commonly used in a local area of networks.
- Computer Science Network (CSNET) a computer network which 1981 purpose was to extend networking benefits. BITNET established. Bitned differed from Internet in that is was a point-to-point "store and forward" network for email and files. **SMTP** is short for Simple Mail Transfer Protocol and is an Internet 1982 standard for electronic mail transmisson.
- DNS, short for Domain Name System is a hierarchical naming system 1983 for computers, services or other resources connected to the Internet. 1985 First .com domain name registered. It was http://www.symbolics.com **IETF,** the Internet Engineering Task Force develops and promotes voluntary Internet standards. Among these, the Internet protocol 1986 suite (TCP/IP). NSFNET with 56 kbit/s links. The NSFNET initiated operations using TCP/IP, and the six backbone sites were interconnected with 56 kbit/s links. **UUNET was founded** and was one of the larges Internet service 1987 providers and one of the early Tier 1 networks.
 - **Morris worm -** one of the first computer worms distributed via the Internet. 1988 **OSI Reference Model released. NSFNET** upgrades to 1.5 Mbit/s. PSINET was founded. One of the first companies to sell internet 1989 connectivity, allowing commercial traffic on the internet. **ANS,** short for Advanced Network and Services. It was a non-profit
 - 1990 1991

Backbone Service.

on remote computers.

popularizing the WWW.

of technical information.

network (WLAN)

like we know it today.

Skype is launched.

MySpace is launched.

WordPress is launched.

Youtube is launched.

Twitter is launched

on mobile phones.

on mobile devices.

for most people.

breakthrough of social media.

Mozilla Firefox is launched

in creating a data explosion.

The internet has it's 40th anniversary.

variety of sunglasses and reading glasses.

NSFNET decommissioned

The dot-com bubble bursts.

Jim Wales launches Wikipedia.

There is around half a million web users.

The Safari web browser is launched.

NSFNET upgrades to 45 Mbit's.

Full text web search engines.

Internet Society (ISOC) is established.

organization formed by the NSFNET partners (Merit Network, IBM and

World Wide Web (WWW) is released. WWW is an information space

Wide area information server (WAIS), a client-server text searching system that uses the ANSI Standard z39.50 to search index databases

Mosaic web browser released. An early web browser, credited with

InterNIC established. Nickname for The Network Information Center. In charge of DNS, domain name allocations and X.500 directory services.

an educational and operational forum for coordination and dissemination

NANOG established. North American Network Operators' Group,

ICANN, Internet Corporation for Assigned Names and Numbers. The

IEEE 802.11b wireless networking is a set of media access control and physical layer specifications for implementing wireless local area

Aaron Swartz Co-Creates RSS. RSS collects news from various pages and puts them in one place for readers. Often used by News web sites.

3G is commercially launched and is the start of mobile web browsing

High speed 3G is rolled out and operators started offering data rates

Apple Iphone is launched - utilizing the 3G technology and participates

Facebook reaches 400 million active users - 6 years after launch.

The picture sharing services Pinterest and Instagram is launched.

4G is launched in UK. 4G enables even faster connections and speeds

Facebook celebrates 10 years, also marking 10 years since the

Instagram reaches 400 million users - 5 years after launch.

Niantic releases Pokèmon Go which utilizes Augmented reality

technology. The Pokemon Go game makes the technology available

Augmented reality is incorporated into everyday life in the form of

SMARTglass. Used in many ways, this glass is a versatile display system

found in car windshields, restraurant windows, bedroom mirrors, and a

It also outpaces Twitter - who has only 316 million users.

The Internet Governance forum meets for the first time.

Facebook is launched and kicks of the social media race.

organization is responsible for coordination the maintenance and

Internet, ensuring the network's stable and secure operation.

procedures of several databases related to the namespaces of the

where documents and other web resources are identified by URLs,

interlinked by hypertext links and can be accessed via the internet.

Archie Search Engine: A tool for indexing FTP archives.

MCI) to run the network infrastructure for the soon to be upgraded NSFNET

- 1992
- 1993 1994
- 1995
- 1998
- 1999
- 2000
- 2001
- 2003

- 2004
- 2005
- 2006
- 2007
- 2009

- 2010

- 2012

- 2014

2015

2016

2030