SOS POLITICAL SCIENCE AND PUBLIC ADMINISTRATION
MBA HRD 401
SUBJECT NAME: E-BUSINESS AND CYBER LAW

_____

_____

UNIT V

TOPIC NAME: INTERNET & ONLINE SERVICES

Introduction

- The Internet or "Net" (network of networks) is the largest computer network in the world that connects billions of computer users.

- The word internet comes from combination between "interconnection" and "Network"

- Network is a collection of computers and devices connected via communication channels and transmission media allow to share resources (hardware, software, data, information).

- Generally nobody own internet.

Introduction

- The vast collection of computer networks which form and act as a single huge networks for transport of data and messages across distances which can be anywhere from the same office to anywhere in the world

Brief History (cont...)

- ARPA – Advanced Research Project Agency.

- 1969 January 2 – started an experimental Computer Network.

- Concept – No Server, but equal importance/participation to every computer in the Network.

- Even if, one or two node destroyed that will not affect the Network.

Brief History (cont…)

- In 1982 the word internet started.
- 1986: First "freenet" created in Case Western Reserve University
- 1991: US government allowed business agencies to connect to internet.
- Now all peoples can connect to internet and improve their life and work quality.
- The internet support various aspects in our life.

Vinton Cerf

- **Father of Internet**

- **Co-designer of the *TCP/IP* networking protocol.**

Internet Services

- WWW
- Webpage / Homepage
- Web Publishing
- Web browser
- Search Engine
- Protocol
- Internet protocol
- DNS
- HTTP
- URL
- HTML
- ISP
- E-mail
- Newsgroup
- Video conferencing
- FTP
- Telnet
- Forum

Advantages of Internet

- Communication
- Research
- Education
- Financial transactions
- For Updates

use the Internet

Disadvantages of Internet

- Theft of Personal Information
- Spamming
- Malware Threats
- Social Isolation, Obesity and Depression

Online Services

❖People have the opportunity of paying online for services that are provided by particular organisations.

❖People can shop online (E.g. Kelkoo)
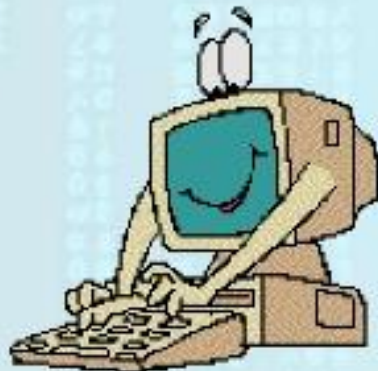
❖Bank customers can use online banking.

What type of hardware and software is required?

Hardware and Software

Hardware	Software
Personal Computer	Internet Browser
Modem	Word-processing (text-editing software) may be useful for copying confirmation of orders and sending details for future reference.
Broadband type	

Online Transactions and other services

What is transaction?

It is a transfer of money.

Some services require online payment:

- Applying online for first provisional driving license

- Applying for tax disc online

- Booking a theory/practical test online

- Ordering learn-to-drive books online

Example: People at in the UK can pay their council tax, parking fees or car tax online.

Card Payment Gateway

~ This is a service provided by banks

~ Makes it possible for companies and businesses to accept credit card payments online

Electronic Payment (e-payment)

~ It is essential for modern businesses and companies, why?

~ Because business and commerce is increasingly done globally, so a faster and easier way of making payments is necessary.

Other Services (1)

These are not transaction services. They include:

☒ Finding the location of disabled parking pays

☒ Checking a certificate of roadworthiness record

- This is to see if your car is worthy enough to be on the road (For example: Can you take a car out if you have one of the rear lights missing?)

☒ Using an online calculator that can calculate carbon dioxide emissions and vehicle excise duty (vehicle tax, car tax and road tax)

☒ Finding a personalised registration plate

Back to contents

Other Services (2)

- Customers can arrange for packages to be picked up and delivered to a destination of their choice (For a fee)

- Filling in tax returns and making tax payments

- Reserving/renewing library books.