

# **SEHH1016**

## **REVISION**

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## Lecture

## Topic

1, 2

Discovering the Internet

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# 1. Discovering the Internet

## Discovering the Internet

### Internet

- Host
- Online
- Protocol
  - TCP/IP
  - FTP
  - Telnet

### Internet Users

- Web
- Webpages
- Website
- Markup language
- Web authoring software
- Web server
- Web browser
- Hyperlink
- Browsing

### Internet Activities

#### Search tools

- Cloud computing
- VPN
- Web conferencing
- Telnet

#### Remote computing

#### E-business

- B2C
- B2B
- B2E
- C2C

### Impact

- ARPANET
- Circuit switching vs Packet switching
- Research to Public
- Rise of Web

# 2. Discovering the Internet

## Discovering the Internet

ISP

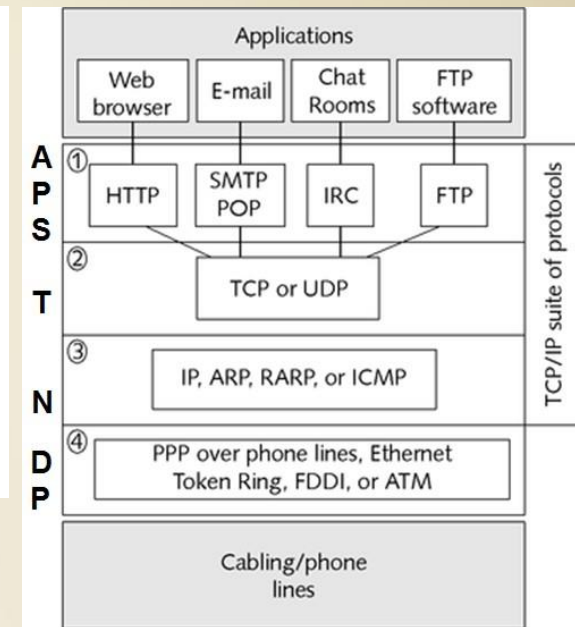
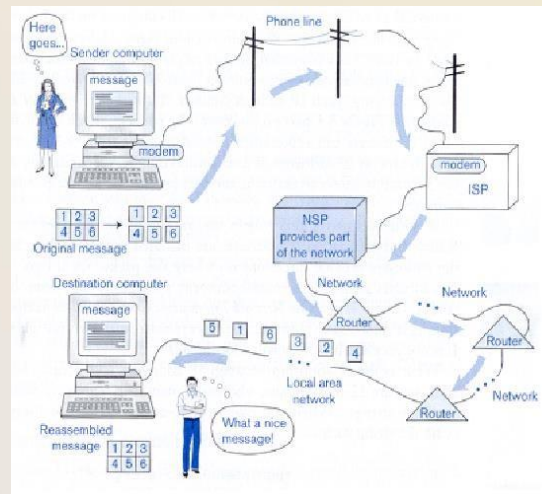
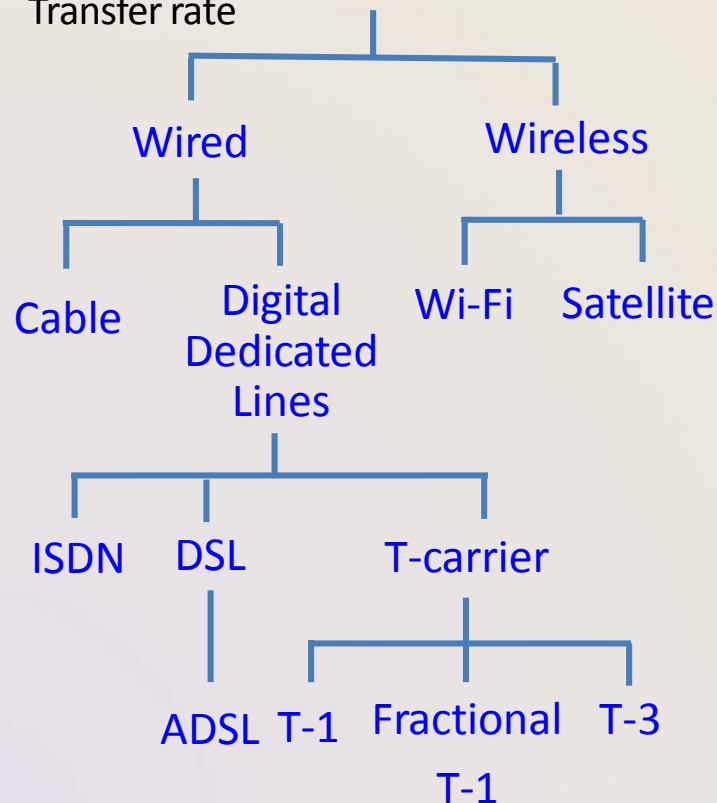
Connection  
Methods

Sending  
Message

OSI

➤ Bandwidth

➤ Transfer rate



# 3. Browsing the Web

## Browsing the Web

### Website

- Homepage
- Portal
- Webpages
  - Characteristics
- Web servers
- MAC address
- IP Address
  - Static vs Dynamic
  - Public vs Private
  - Class A –C
  - v4 vs v6
- Socket
  - IP + Port

### Dividing a network

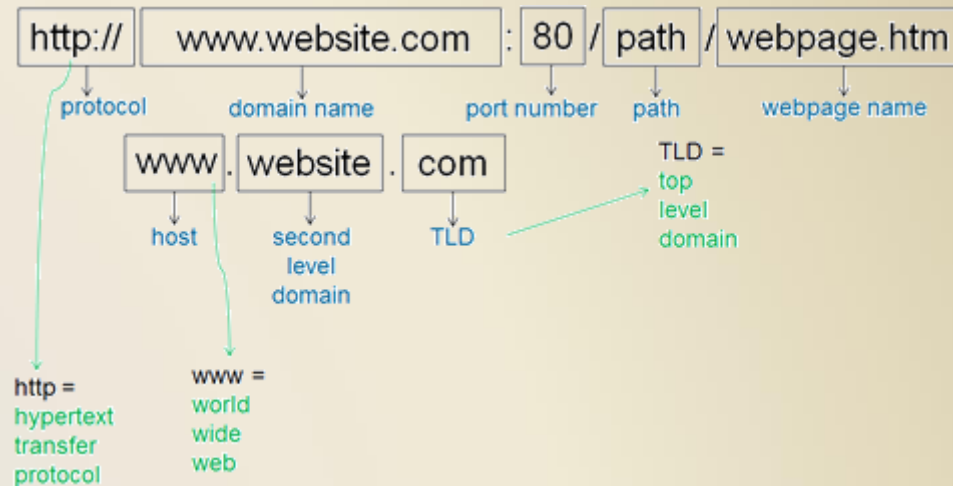
#### Segmenting

- Hub
- Bridge
- Switch
- Router
- Gateway

#### Subnetting

- Subnet mask

### URL



# 4. Browsing the Web

## Browsing the Web

### Browsers

- Navigating
- Tabbed Browsing
- Shortcuts
  - Favorites
  - History
  - Accelerators
  - Web feeds
  - Address bar drop-down list
  - Suggested websites

### Risks

- Hacker
- Virus
- Malicious website
- Malicious software
  - Spyware
  - Adware

### Safeguards

- Firewall
- Secure connection
- Filtering Web Content
  - TPLs
  - Internet filters
- Information privacy
- Cookies

# 5. Searching the Web

## Searching the Web

### Search process

- Choose tool
- Formulate query
- Targeted search
- Open-ended search
- Natural language search
- Perform search
- Exam result
- Evaluate credibility
- Authority
- Objectivity
- Scope and Quality
- Design and Functionality

### Search tools

- Directory
- LDAP
- Search Engine

### Search techniques

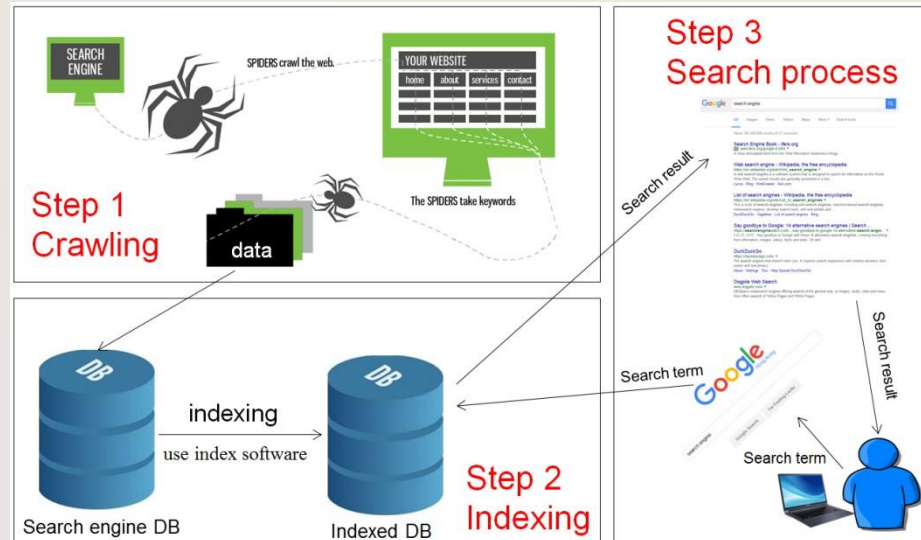
- Boolean operator
- Search forms
- Filters

### Browser Searches

- Address Bar
- Webpage

### Specialized Searches

- People & Business
- News & Current Event
- Video
- Social Media
- Shopping



➤ Metasearch engine

# 6. Communicating Online

## Communicating Online

