Web Technology
(KCS-602)
Unit 1

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Unit -1

Lecture 2

- Protocols Governing Web
- Writing Web Projects
- Connecting to Internet

Protocols Governing Web

Protocol: A protocol is a set of rules that is used to communicate applications to each other.

OR

A protocol is the interface required for communicating the different applications.

Classification:

a. **HTTP**
b. **TCP/IP**
c. **FTP**
d. **SMTP**
e. **TELNET**

- **HTTP:** HTTP is the primary protocol used to distribute information on the web.
- **TCP/IP**: It is a set of rules that an application can use to package its information for sending across the networks of networks.
- **FTP**: It is used to transfer the files over networks.

- **Simple Mail Transfer Protocol (SMTP)** is an Internet standard for electronic mail (e-mail) transmission across Internet Protocol (IP) networks.
- **Telnet**: Telnet lets you remotely log into another system and browse files and directories on that remote system.

Connecting to Internet

- All modern computers and laptops are capable of connecting to the internet, as are many other devices, including mobiles, tablets, e-readers, televisions, video games consoles.
- There are two ways of getting the internet at home. The most popular way is to have your telephone line (also known as a ‘landline’) converted to broadband so that it can carry normal phone calls and internet data at the same time.

- if you don’t have a landline or if you want to be able to use the internet when you’re out and about, you might prefer mobile internet from one of the mobile network providers. This can be used anywhere there’s a mobile signal but does tend to be slower and more expensive than broadband through a landline.

Step-by-Step instructions to connect to the internet

- **Step 1:** Choose an internet service provider (ISP). This could be the company that provides your telephone line or it could be one of the many independent providers.
- **Step 2:** Having chosen an ISP and signed the contract, you'll have to wait a few days while your line is converted to broadband. During this time, you should receive a letter with your username and password and the hardware you'll need: a small box called a 'router' and its attachments.

Step 3: Once you're told that your broadband is active, you can set up your router. It should have come with three cables:

- a network cable to connect the router to your computer
- a power cable
- a cable that will go between your router and a micro filter
- Plug one end of the network cable into the appropriately shaped socket in the router, and the other end in a similarly appropriately shaped socket in your computer.

- **Step 4:** When you get the router, you should also receive a CD. Once you've set up the router, all you need to do is put the CD into your computer and follow the step-by-step instructions. Create the broadband connection.

Important Questions

- Explain client-server architecture with diagram? (2017-18) CO1,(K1,k2)
- What is internet? Discuss the various internet services. (2015-16) CO1,(K1,k2)
- What do you mean by web projects .Describe the various protocol governing the web project? (2015-16) CO1,(K1,K2,K3)