



Web Technology (KCS-602) Unit 1

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Course Outcomes of Web Technology

CO 1 Apply the knowledge of the internet and related internet concepts that are vital in understanding web application development and analyze the insights of internet programming to implement complete application over the web.

K3, K6

CO 2 Understand, analyze and apply the role of mark up languages like HTML, DHTML, and XML in the workings of the web and web applications.

K2, K3

CO 3 Use web application development software tools i.e. XML, Apache Tomcat etc. and identifies the environments currently available on the market to design web sites. **K3, K6**

CO 4 Understand, analyze and build dynamic web pages using client side programming JavaScript and also develop the web application using servlet and JSP. **K2, K4, K6**

CO 5 Understand the impact of web designing by database connectivity with JDBC in the current market place where everyone use to prefer electronic medium for shopping, commerce, fund transfer and even social life also. **K2, K3, K4**

Unit -1

Lecture 1

- Introduction and Web Development Strategies
- History of Web and Internet

Introduction and Web Development Strategies

World Wide Web:

The World Wide Web is a system of interlinked hypertext documents accessed via the Internet.

Web is a huge collection of pages of information linked to each other around the globe.

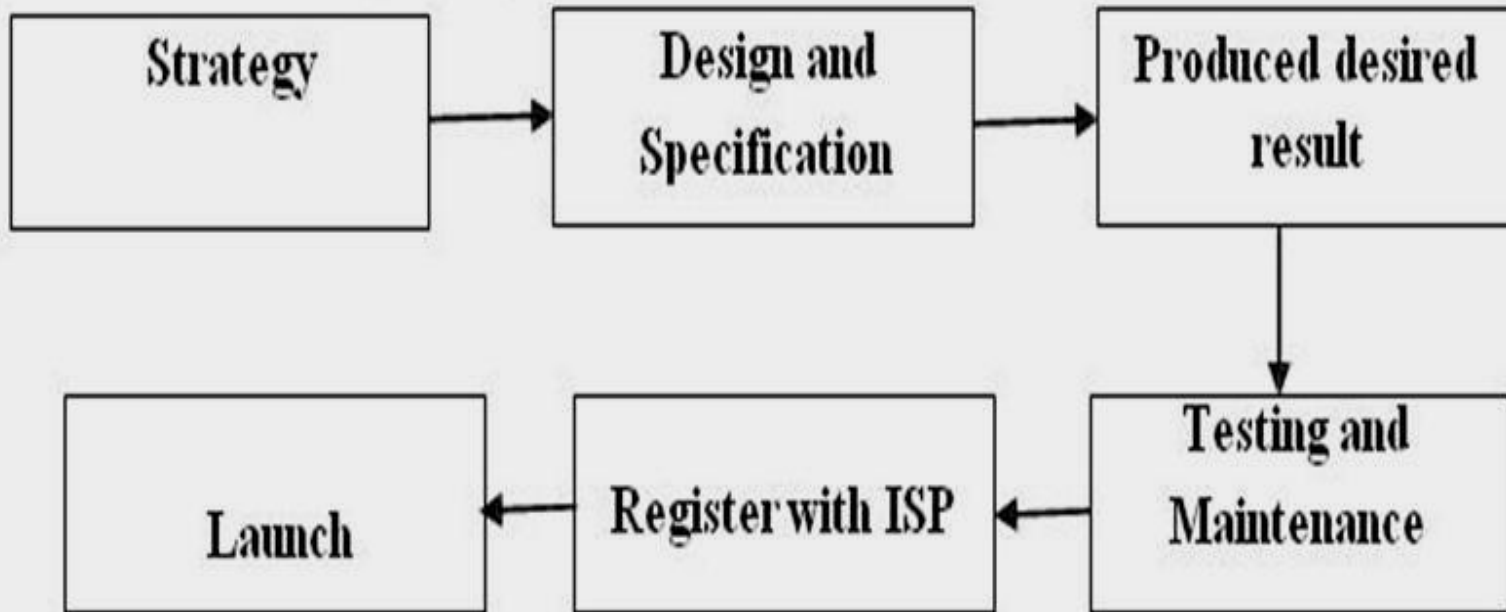
History of WWW

- WWW is created by **Sir Tim Berners Lee** in **1989** at **CERN** in Geneva.
- In **1990**, the first **text only browsers** were setup and **CERN** scientist could access hypertext files and other information at CERN.
- To transfer HTML document to remote sites a new protocol was devised called HTTP (Hyper Text Transfer Protocol).

- In **1993**, there are only about 50 websites world wide.
- A browser that allowed user to take advantage of the web's graphical capabilities was developed at the **National center for Super Computing application (NCSA)**.
- NCSA called the **browser Mosaic**.

Web Development Planning Process

Web development process:



1. Strategy:

- Decide Goals and objectives
- Team building
- Review your Strategy
- Create Final Project proposal

2. Design and Specification:

- Developing concept
- Content planning
- Rough design
- Final design

3. Produced desired Result:

- Build prototype
- Prototype testing
- Original design
- Satisfy the clients need

4. Testing and maintenance:

- Test the code
- Maintain the web server.

5. Register with ISP:

- Register domain name
- Get web space

6. Launch:

- Connect domain name with web server
- Finally host the web accordingly.

Important Questions

- What is a web project? (2017-18 AKTU) CO1,(K1,k2)
- What is internet? Discuss the various internet services. (2015-16 AKTU) CO1,(K1,k2)