



SNS COLLEGE OF ENGINEERING



Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

COURSE NAME: 19CT503-Internet Programming

III YEAR /V SEMESTER

Unit 1- WEBSITE BASICS

Topic : **Web Essentials: Clients, Servers and Communication**



Web Essentials

Client:

The software that resides on the remote machine, communicates with the server, fetches the information, processes it, and then displays it on the remote machine is called the client.

- initiates contact with server (—speaks first)
- typically requests service from server
- Web: client implemented in browser



Server: The software that distributes the information and the machine where the information and software reside is called the server.

- provides requested service to client.
- e.g., Web server sends requested Web page.

Web server: Software that delivers Web pages and other documents to browsers using the HTTP protocol.



Web Page: A web page is a document or resource of information that is suitable for the World Wide Web and can be accessed through a web browser.

Website: A collection of pages on the World Wide Web that are accessible from the same URL and typically residing on the same server.

URL: Uniform Resource Locator, the unique address which identifies a resource on the Internet for routing purposes.



Client-server paradigm

- The Client-Server paradigm is the most prevalent model for distributed computing protocols.
- It is the basis of all distributed computing paradigms at a higher level of abstraction.
- It is service-oriented, and employs a request-response protocol.



- A server process, running on a server host, provides access to a service.
- A client process, running on a client host, accesses the service via the server process.
- The interaction of the process proceeds according to a protocol.
- The primary idea of a client/server system is that you have a central repository of information.
 - —some kind of data, often in a database
 - —that you want to distribute on demand to some set of people or machines.



Thank you