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 ENGINEERING-IOT Including CS&BCT

COURSE NAME : 19SB602 FULL STACK DEVELOPMENT FOR NEXT GENERATION IOT

III YEAR / VI SEMESTER

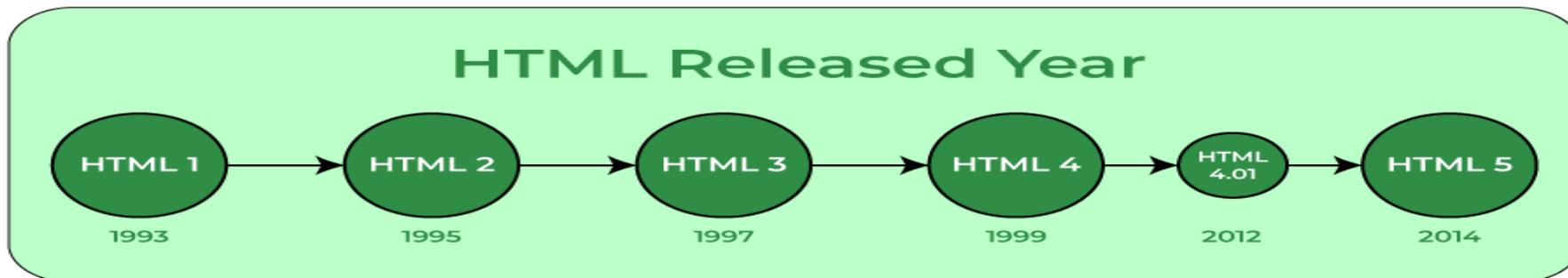Unit I- **INTRODUCTION TO WEB TECHNOLOGIES**
Topic : Introduction of HTML

HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format.
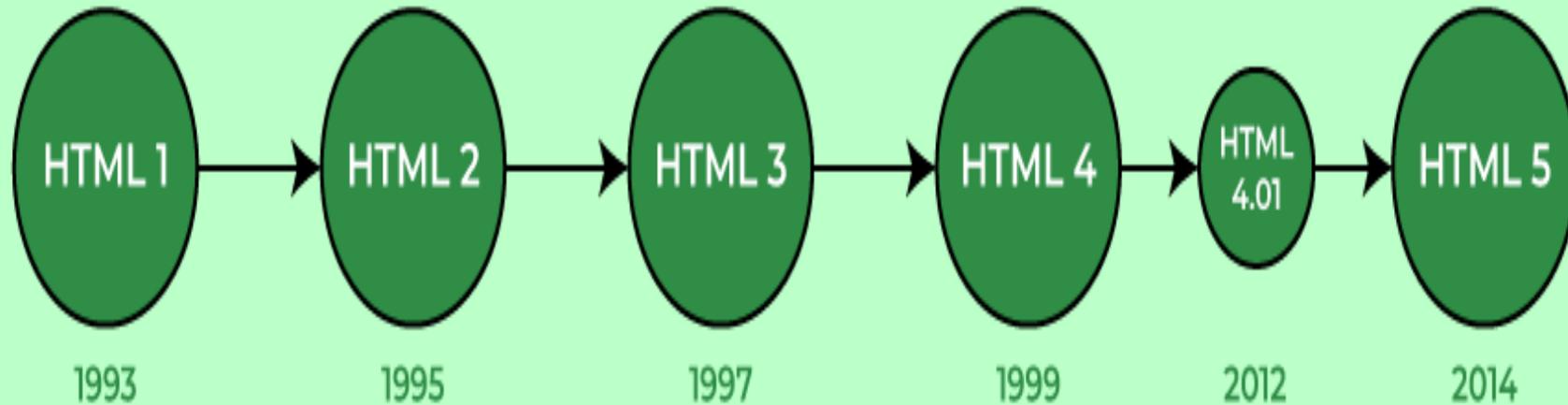
HTML was created by Tim Berners-Lee in 1991.

The first-ever version of HTML was HTML 1.0

But the first standard version was HTML 2.0, published in 1995.

HTML Elements and Tags

HTML uses predefined tags and elements which tell the browser how to properly display the content.

Remember to include closing tags. If omitted, the browser applies the effect of the opening tag until the end of the page.

Example:

 SNS

HTML Page Structure

The basic structure of an HTML page is laid out below.

It contains the essential building-block elements (i.e. doctype declaration, HTML, head, title, and body elements) upon which all web pages are created.

HTML Page Structure

```
<!DOCTYPE html>          ←———————————————  Tells version of HTML
<html>              ←———————————  HTML Root Element

<head>         ←—————————  Used to contain  page HTML metadata
   <title>Page Title</title>     ←————————Title of HTML page
</head>

<body>      ←—————————  Hold content of HTML
   <h2>Heading Content</h2>     ←—————————  HTML headling tag
   <p>Paragraph Content</p>   ←——————      HTML paragraph tag
</body>

</html>
```

```
<!DOCTYPE>
<html>
<head>
<title>Web page title</title>
</head>
<body>
<h1>Write Your First Heading</h1>
<p>Write Your First Paragraph.</p>
</body>
</html>
```

```html
<!DOCTYPE html>
<html>

<head>
        <meta charset="UTF-8">
        <meta name="viewport"
                content="width=device-width, initial-scale=1.0">
        <!--The above meta characteristics make a website
        compatible with different devices. -->
        <title>Demo Web Page</title>
</head>

<body>
        <h1>SNS</h1>

        <p>Educational Institutions</p>
</body>

</html>
```

Features of HTML

It is easy to learn and easy to use.

It is platform-independent.

Images, videos, and audio can be added to a web page.

Hypertext can be added to the text.

It is a markup language.

Advantages of HTML

HTML is used to build websites.
It is supported by all browsers.
It can be integrated with other languages like CSS, JavaScript, etc.

Disadvantages of HTML

HTML can only create static web pages. For dynamic web pages, other languages have to be used.
A large amount of code has to be written to create a simple web page.
The security feature is not good.

Any Query????

Thank you……

Introduction of HTML / 19SB602/FSD FOR NEXT GENERATION IOT /Mr.R.Kamalakkannan/CSE-IOT/SNSCE