



# CLUSTER UNIVERSITY SRINAGAR

## SYLLABUS (FYUP UNDER NEP 2020)

**Offered By Department Of COMPUTER APPLICATIONS**

**Semester 1<sup>st</sup> Skill Enhancement Course (SEC)**

### ***Course Title: Basics of Web Technologies***

**Course Code: UGCOA22S101**

**Credits: 4 (Theory: 1, Practical: 3)**

**Contact Hrs: 105 (Theory: 15, Practical: 90)**

**Max. Marks 100**

**Theory External: 15; Min Marks: 06**

**Theory Internal (Continuous Assessment): 10 Marks, Min Marks: 04**

**Practical Experimental Basis= 45 Marks, Min. Marks: 18**

**Practical Internal (Continuous Assessment): 30 Marks, Min. Marks: 12**

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**Objective:** This course introduces the basics of Internet, Web, Web Designing and related tools and technologies to the students.

#### **Course Outcomes:**

1. After the completion of the skill course, a student should have the basic knowledge of Internet Tools and Technologies.
2. A student should be able to develop a static web page /website.

#### **Unit I**

Internet: Definition, evolution of Internet, applications of Internet, Connecting to Internet. Definitions and Concepts of Client Server Architecture, WWW Fundamentals, Internet Surfing, Web Page, Static and Dynamic Web Pages.

#### **Unit II**

Introduction to HTML , Building blocks of HTML, Using HTML Tags, Formatting of text and paragraph, headings and lists. Adding images for listing of different pages, Hyperlinks, Creating Tables, using list boxes and Radio Buttons in Forms, Frames etc.

#### **Unit III**

Introduction to CSS, need for CSS, types of CSS (inline, embedded, and external style sheets), CSS selectors, CSS properties, CSS Styling (Background, Text format, controlling fonts, lists), CSS Id and class, CSS color, div tag, span tag, position, styling images.

#### **Unit IV**

Minor project based on HTML and CSS.

#### **Reference Books:**

1. Teach Yourself HTML 4 in 24 Hours By Dick Oliver (Tech media) 4th edition
2. The Complete Reference JavaScript By Thomas Powell & Fritz Schneider 2nd Edition.
3. Introduction to Internet and HTML Scripting By Bhaumik Shroff, Books India Publ.