

COMPUTER SCIENCE
CERTIFICATE COURSE 2018-19

TITLE: WEB TECH LEARNING

COURSE AND DIRECTOR: BANU. M

DEPARTMENT: COMPUTER SCIENCE

DURATION OF THE COURSE: 120 HRS

TIMING: FIRST AND THIRD SATURDAY

COURSE FEE: 4000/-

SCOPE OF THE COURSE:

The course aims to provide skills and project-based experiences for an entry into web applications for those who are without basic computer skills. The students will be familiar with various technologies that support to develop a Web site.

OUT COME

- Able to develop dynamic website.
- Able to connect scripting languages to HTML.
- Able to understand a server side java application.
- Able to connect database in web pages.

SYLLABUS

TOTAL COURSE DURATION: 120 HRS

UNIT 1

25 HRS

ADOBE PHOTOSHOP

Introduction to stock photography, types of images, vector and scalar graphics and tools, introduction to Adobe photoshop, color modes and resolution options, file types in photoshop. Photoshop tools(move, marquee, lasso etc.), working with layers, grouping and smart objects, image adjustments, layer masking, layer

clipping, view menu/window menu, animation tools, examples for brochure design, banners etc.

PRACTICAL: Five examples with photoshop tools

UNIT 2

25 HRS

HTML

Basic structure of HTML, elements of head section, Meta tags external link tags, table tag, div tag, frames, header, paragraph, span, pre tags, anchor links and named anchors, image tags, object tag, frame tags.

Working with forms: Form tag, POST and GET method, text input, text area, checkbox, image input and radio, selection option, option group, file upload and hidden files, submit button, reset button, relation between HTML Form and PHP.

XML

Difference between HTML and XML, XML Basics, Introduction to Doc types, XML validation. New in XML: section, Nav, Article, Aside, Header and footer. Form Tags: Search, tel, url and email, Media Tags: Audio and Video tag.

PRACTICAL: Five examples with HTML and XML

UNIT 3

25 HRS

CSS

Introduction, types of CSS, types of selector: universal, class, ID, child selector, attributes selector, types of properties, background properties, block properties, Box model properties, list properties, border properties, positioning properties, CSS for background styles, menu system etc., new CSS properties, CSS rounded corners, border images, border shadows, text-shadow property, text stroke property examples.

ADOBE DREAMWEARVER

Introduction to Adobe Dreamweaver, Benefits, Static project, Standard tools, common tool bar (anchor links, insert table, insert Divs, inserting images etc.), Layout tool bar, text tags, spry elements, Form in Dreamweaver: Fieldset, label, input tags, radio, image, button, file type.

PRACTICAL: Five examples with CSS and Dreamweaver

UNIT 4

25 HRS

JAVASCRIPT

Introduction, Javascript types, variable, operators, conditions statements(If, If Else, Switch) , Loops (For Loop, While Loop, Do While), JS Popup Boxes(Alert, prompt and confirm). JS Events: Onload, Onunload, onsubmit onFocus etc., Array, Object and functions examples, one realtime: validation of form/dropdown menus slide show effects in JS.

WEB HOSTING

Hosting Basics, Types of Hosting Packages, registering domain, Defining name servers, using control panel, creating email in Cpanel, Using FTP client, Maintaining Website.

PRACTICAL: Five examples with Javascript and web hosting.

UNIT 5

25 HRS

PHP

Introduction, Variable, Putting text into variables, variables types, Statements (If, If..else) comparison operators, NOT equal to. Loop statements. String Manipulation(Changing case, trimming white space etc.) creating functions, Working with File PHP, Date and Time functions, PHP and MySQL, MySQL databases and PHP code. Working with PHP and HTML some examples.

PRACTICAL: Five examples with PHP

