**Syllabus on**

**Fundamentals of Webpage Designing**

**National Academy for Computer Training And Research (NACTAR)**

**Bogra**

**Fundamentals of Webpage Designing**

**Number of Classes = 40 days**

**Total Hours = 120 Hours  
Class Time : 3 hours /day**

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| **Sl.**  **No** | **Topic** | **Hours** |
| **HTML( 24 Hours)** | | |
| 1 | **Basic Concept of Internet and Web**  World Wide Web, Web page, Web site, Protocols for transferring Hypertext(HTTP), URL(Uniform Resource Locator),Browser, Search Engine. File Management: Copy, Paste, Cut, Save, File Extension. | 3 hours |
| 2 | **HTML Syntax and Rules** Introduction to HTML, Editors: Notepad++, Dream Weaver, Net Beans, Bracket. Basic Components of HTML: Tag, Attributes, Elements. Basic Document Structure, Document type, char set, UTF Encoder. | 3 hours |
| 3 | **HTML Basics**  HTML Heading, paragraph, Styles, Text Formatting, Quotations, Comments, colors, Image Insert, Hyperlink, Marquee . | 3 hours |
| 4 | **HTML Advanced** HTML Table Formatting, Creating list. | 3 hours |
| 5 | **HTML Advanced**  HTML Blocks, HTML class, Concept of Div Tag , use of Ifream | 3 hours |
| 6 | **Html 5**  New elements and tags: header, nav, article, aside, canvas, figure, footer, section, figcaption, details. | 3 hours |
| 7 | **Multimedia**  Audio Control, Video Control | 3 hours |
| 8 | **HTML Form**  Form Elements, Form Type, Input type, Input Attributes, Form Action, Form Method, Events. | 3 hours |

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| **CSS (30 Hours)** | | |
| 9 | **CSS Basic**  Introduction to CSS, External style sheet, internal style sheet, inline style sheet,  CSS Syntax, CSS Selectors and Rules | 3 hours |
| 10 | **CSS Layout**  CSS Color, Border, Margin, Padding, Width/Height, Box Model, Outline, Background Property | 3 hours |
| 11 | **CSS Formatting**  CSS Text Formatting Property, Font Formatting Property, Icons, Link and List Property, Table Property, | 3 hours |
| 12 | **CSS Advanced**  CSS Display Property, Position Property, overflow and Float property,. | 3 hours |
| 13 | **CSS Advanced**  Pseudo class, pseudo Element, Opacity, CSS Form Style, Z-index. | 3 hours |
| 14 | **CSS3 Introduction**  Rounded Corners, Border Image, background Property, Gradients, Shadows, Box-sizing, Flexbox. | 3 hours |
| 15 | **CSS3 Animation**  Animation property, 2D Transforms Property | 3 hours |
| 16 | **CSS3 Animation**  3D Transforms property, Transitions property. | 3 hours |
| 17 | **CSS Work**  Media Queries, Create Button, Image Gallery. | 3 hours |
| 18 | **CSS Work**  Navigation Bar, pagination etc | 3 hours |
| **Java script (15 Hours)** | | |
| 19 | **Java script introduction and overview**  Difference between Java and Java script, Java script writing Procedure, Embedding script in HTML file, Java script statement, Blocks, Comments, Alert Box, Confirm Box. | 3 hours |
| 20 | **Java script: Variables and Operators**  Introduction to variables, **Operators:** Arithmetic, comparison, Assignment and conditional operators. | 3 hours |
| 21 | **Java script: Conditional and looping statements**  If, If....else, if...else if...else, Switch statements,  **Loop**  for ,while, do while statements | 3 hours |
| 22 | **Java script Function and object**  Define a Function, Function with a parameter, Function that returns a value, Properties and method, Creating a object, Accessing object. | 3 hours |
| 23 | **Java Script Event Type**  Mouse Event, Object Event, Form Event,Page Redirect, datetime | 3 hours |
| **Bootstrap3 Framework (24 Hours)** | | |
| 24 | **Bootstrap3 Introduction :**  Introduction to Bootstrap 3 Framework, Download bootstrap file, Bootstrap Overview, | 3 hours |
| 25 | **Bootstrap3 Layout**  Bootstrap Grid system, Media object, responsive utilities, Bootstrap typography. | 3 hours |
| 26 | **Bootstrap3 contents**  Bootstrap table, Form, Image, Buttons, Helper Classes. | 3 hours |
| 27 | **Bootstrap3 Components**  Bootstrap Glyphicons, Dropdown, Button Group, Input Group, Navs, Navbar | 3 hours |
| 28 | **Bootstrap3 Components**  Bootstrap Pagination, Labels, Jumbotron, Alerts, Progress bars. | 3 hours |
| 29 | **Bootstrap3 Components**  Media object, Panel, List Group, Wells, Responsive embed | 3 hours |
| 30 | **Bootstrap3 java script Plug-in**  Bootstrap Modal, scrollspy, Tab, Tooltip. | 3 hours |
| 31 | **Bootstrap3 java script Plug-in**  Popover, Collapse, carousel Plug-in | 3 hours |
| **Jquery(9 hours)** | | |
| 32 | **Jquery Introduction**  Introduction to Jquery and different JavaScript and jquery, Jquery syntax, | 3 hours |
| 33 | **Event and Effect**  Jquery selectors, Jquery event and effect. | 3 hours |
| 34 | **Jquery Plug-in**  How to use jquery Plug-in, Use of top 10 jquery Plug-in | 3 hours |

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| **Word press (15 Hours)** | | |
| 35 | Introduction to Word press, WAMP/Local host Installation, Word press Installation | 3 hours |
| 36 | Introduction to Word press Dashboard, Create pages and posts, Insert Image etc. | 3 hours |
| 37 | Introduction to Theme and Plug-in, Theme Installation and Customization | 3 hours |
| 38 | How to create a website with Word press | 3 hours |
| 39 | C-Panel Management, File upload | 3 hours |
| 40 | **Evaluation and Project Presentation** | 3 hours |

Prepared By:

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