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Course Name – **Web Development**

Category - **Basics**

Duration - **2 Months**

PRE REQUISITES

- Basic knowledge of Internet, Websites, understanding of PC

COURSE CONTENT

HTML

- Basic Structure
- Introduction to HTML with basic syntax. With (!DOCTYPE html)
- Headings
- Paragraph
- Anchor
- Image
- Button
- Break
- Horizontal Row
- List Types
 - Ordered
 - Unordered
 - List Items
- Formatting
- Table
 - Colspan
 - Rowspan
- I-Frame

HTML5

- Video
- Audio
- Marquee
- Form
- Form attributes

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Action

Method

- Input attributes
 - Type
 - Name
 - Value
 - Placeholder
 - Id
 - Class
 - Required
 - Pattern
 - Readonly
 - Disabled
 - Autofocus
- Input types
 - Text
 - Email
 - Password
 - Tel
 - Number
 - Time
 - Date
 - file
 - hidden

CSS

- CSS types
 - Inline (In Tag)
 - Internal (In Head Part)
 - External (link page with file.css)

CSS Properties

- Height, Width
- Background
 - (Color, Image, Repeat, Attachment {fixed}, Position {top, right, bottom, left})
 - Linear-gradient {to right/left/bottom/top, red, yellow }
 - Radial-gradient{ })

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- Border ({ 1px, 1px 1px 1px 1px } {dotted, dashed, solid, double, groove, ridge, inset, outset, none, hidden, dotted dashed solid double} {color})
- Border-radius ({ 10px }
 - border-top-left-radius
 - border-top-right-radius
 - border-bottom-left-radius
 - border-bottom-right-radius)
- Margin, Padding (top, bottom, right, left)
- Color
- Text-align {center, left, right, justify}
- Text-decoration {none, line-through, underline}
- Text-transform {uppercase, lowercase, capitalize}
- Letter-spacing { 1px }
- Line-height {0.1 to 0.00}
- Word-spacing { 1px }
- Shadow (text { 1px 1px red } box { 1px 1px 1px red })
- Font-family
- Font-style (normal, italic, oblique)
- Font-size (1px)
- Font-weight (normal, bold, bolder)
- Display (inline, block, none)
- Position (relative, fixed, absolute, sticky)
- Overflow (overflow-y, overflow-x { visible, hidden, scroll, auto })
- Float (left, right)
- Opacity (0.0, 0.9)
- Pseudo-class (a:hover)
- Transform (rotate(20deg), rotateX(20deg), rotateY(20deg), rotateZ(20deg))
- Transition (5s)
- Animation (name, time, flow, duration)
- Transform-origin
- Columns
- grid
- @keyframes
- @media only screen and (max-width:800px)

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Java Script

- Types
 - InnerHTML
 - In Head
 - External
- Syntax
 - For head and body `<script></script>`
 - For external `<script src=""></script>`
- Output
 - `document.write()`
 - `alert()`
 - `innerHTML` to access innerhtml you need
`document.getElementById("demo").innerHTML = 5 + 6;`
 - `document.getElementById("demo").style.color="red";`
 - `document.getElementById("demo").value;`
 - `window.location.href`
- Variables
- Operators
- Function
- Events
 - Onchange
 - Onclick
 - Onsubmit
 - Onscroll
- String functions
- Array
- loop
- Statements
- Expressions
- Patterns (validation)

PHP

- Installation
- Syntax
- Variable
- Echo/Print_r
- Text

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- echo "Hello"
- Text and variables
 - echo "hi". \$ab ."hey"
- Data type
- Functions
 - Header
 - Isset
 - date
 - include
- Operators
- Statements
 - If
 - If else
 - Else if
- Loops
 - While
 - For
 - Foreach
- Function
- Array
 - Single
 - Multi
- Global Variable
 - \$_REQUEST
 - \$_POST
 - \$_GET
 - \$_SESSION

DB (MYSQL)

- Create DB
- Manage DB
- EDIT/DELETE DB
- Insert (query)
- Select (query)
- Update (query)
- Delete (query)
- Where

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- Order by

Practical's

- Arranging tables
- Showing images from different paths
- Login/Register forms
- Using different backgrounds
- Making columns and grid system
- Animating design and loaders
- Making templates with mobile friendly view
- Making events with functions
- Validating forms with expressions or conditions
- Making star patterns
- Sending or getting request with GET/POST method
- Making conditions according to functions
- Creating / destroying sessions with login form and logout form
- Inserting/fetching/editing/deleting data with PHP condition using query.

