



LAKSHYA INSTITUTE OF TECHNOLOGY

BCA, BSc ITM and BSc CS

Affiliated to Utkal University

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PHP WEB DEVELOPMENT SYLLABUS

Introduction to PHP

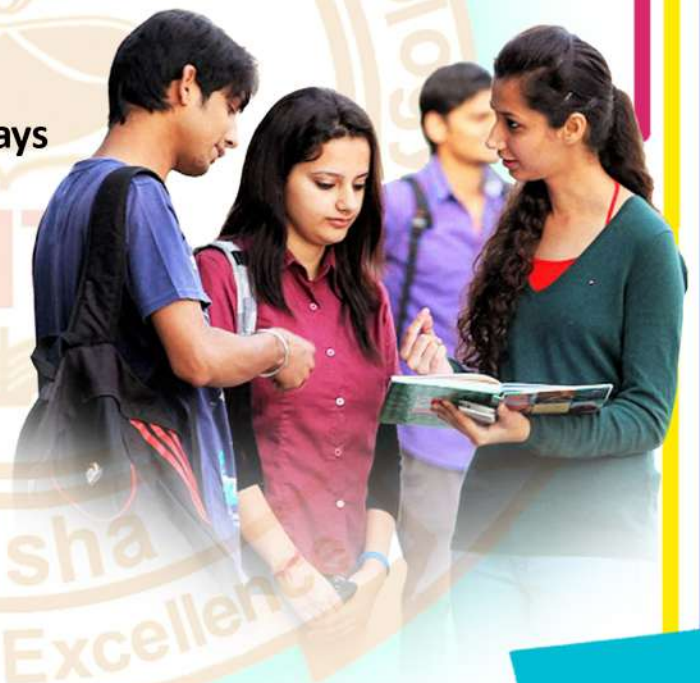
- Basic Knowledge of websites
- Introduction of Dynamic Website
- Introduction to PHP
- Why and Scope of PHP
- XAMPP and WAMP Installation

PHP Functions

- PHP Functions
- Creating an Array
- Modifying Array Elements
- Processing Arrays with Loops
- Grouping Form Selections with Arrays
- Using Array Functions
- Using Predefined PHP Functions
- Creating User-Defined Functions

PHP Programming Basics

- Syntax of PHP
- Embedding PHP in HTML
- Embedding HTML in PHP
- Introduction to PHP Variable
- Understanding Data Types
- Using Operators
- Using Conditional Statements
- If(), else if() and else if condition Statement
- Switch () Statements
- Using the while () Loop
- Using the for () Loop





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FRONT-END DEVELOPER

- HTML5
- CSS3
- JavaScript
- Bootstrap@5.3.0
- Responsive Web Design
- jQuery - Basics

HTML

- HTML- Elements
- HTML-Tags
- HTML - Text
- HTML - Formatting, Pre
- HTML - Attributes
- HTML - Font
- HTML Text Links
- HTML - Comments
- HTML - Lists
- HTML - Images, Image Links
- HTML- Tables
- HTML - Bgcolor, Color Codes,
- Color Chart, Background
- Web Forms
- HTML - Forms
- HTML-Input
- HTML Text Fields
- Hidden Fields
- HTML - Password
- HTML - Reset
- HTML - Submit
- HTML - Checkboxes, Radio, Select,
- Hidden Fields, Upload, Text area
- Special Tags



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FRONT-END DEVELOPER

- HTML - Body, Meta
- HTML-Style
- HTML - Div
- HTML - Layouts, Frames
- Formatting Tags
- HTML - Bold
- HTML - Paragraphs
- HTML- Headings
- HTML Line Breaks
- HTML - Horizontal Rule
- HTML - Email
- HTML - Italic
- HTML5 Syllabus
- Semantic Elements
- <article>
- <aside>
- <figcaption>, <figure>
- <footer>, <header>
- <mark>
- <nav>
- <progress>
- <section>
- <summary>
- <time>

- Form Elements**
- <datalist>
- <keygen>
- <output>
- Form Input Types
- Color
- Date, Datetime, Datetime-local



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FRONT-END DEVELOPER

- Email
- Month
- Number
- Range
- Search
- Tel
- Url
- Time
- Week

Form Attributes

- autocomplete
- autofocus
- form, formaction, formenctype,
- formmethod, formnovalidate,
- formtarget
- height and width
- list
- min and max
- multiple
- pattern (regexp)

CSS

- CSS Syntax
- CSS Selectors (ID, Class, Tags,
- Attributes)
- CSS Styling Styling Backgrounds
- Styling Text
- Styling Fonts
- Styling Links
- Styling Lists
- Styling Tables





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FRONT-END DEVELOPER

CSS Box Model

- CSS Border
- CSS Outline
- CSS Margin
- CSS Padding
- CSS Dimension
- CSS Display
- CSS Positioning
- CSS Floating
- CSS Navigation Bar
- CSS Image Gallery
- CSS Image Opacity
- CSS Align

CSS3

- Borders
- border-radius
- Border Images
- Backgrounds
- Background Size
- background-origin
- Text Effects
- text-shadow
- box-shadow
- Text
- text-overflow
- word-wrap
- word-break
- Fonts





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FRONT-END DEVELOPER

Transforms

- 2D Transforms
- 3D Transforms

Transitions

- transition-delay
- transition-duration
- transition-property
- transition-timing-function

JavaScript

- Form Validation
- Cross-checking fields
- Displaying more informative errors
- Verifying radio button selections
- Setting one field with another field
- Verifying email addresses

Handling Events

- Responding to window events
- Responding to mouse movements
- Responding to mouse clicks
- Responding to on Blur form events
- Responding to on Focus form events
- Responding to keyboard events

Working with Cookies

- Writing a cookie
- Reading a cookie
- Displaying a cookie
- Counting with cookies
- Deleting cookies
- Handling multiple cookies
- Cookies in action





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FRONT-END DEVELOPER

The DOM, Nodes, and Objects

- Understanding the DOM
- Adding nodes to the DOM
- Deleting nodes from the DOM
- Deleting specific nodes
- Inserting nodes into the DOM
- Replacing nodes in the DOM

Working with Dates and Times

- Displaying dates
- Displaying times
- Creating a countdown

Real-World Applications of JavaScript

- Creating sliding menus
- Creating pop-up menus
- Creating slideshows with captions
- Creating a style sheet switcherCSS3



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