

# APEEC

*transforming careers...*



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# WEB DEVELOPMENT

(HTML,CSS,JS,PHP,MYSQL,AJAX,JQUERY,WORDPRESS)

Duration:3months

## HTML 5

- Introduction to HTML
- Web Page, Website
- URL, Domain, Hosting
- Static Pages Vs Dynamic Pages
- Introduction to HTML Tags
- Text Properties, Multimedia Tags.
- Linking Tag, List Properties
- Tables, Frames & Forms
- New Media Tags( Audio, Video)
- New Markup Elements
  - Address, article, base, figure
  - details, header, nav, footer
  - section tags.
- Canvas and SVG Tags
- Form Input Tags
  - Email, Color, Number, Date,URL
- New Form Attributes, Web Storage
- HTML5 Geo Location
- HTML5 Drag & Drop
- Meta tags

## CSS 3

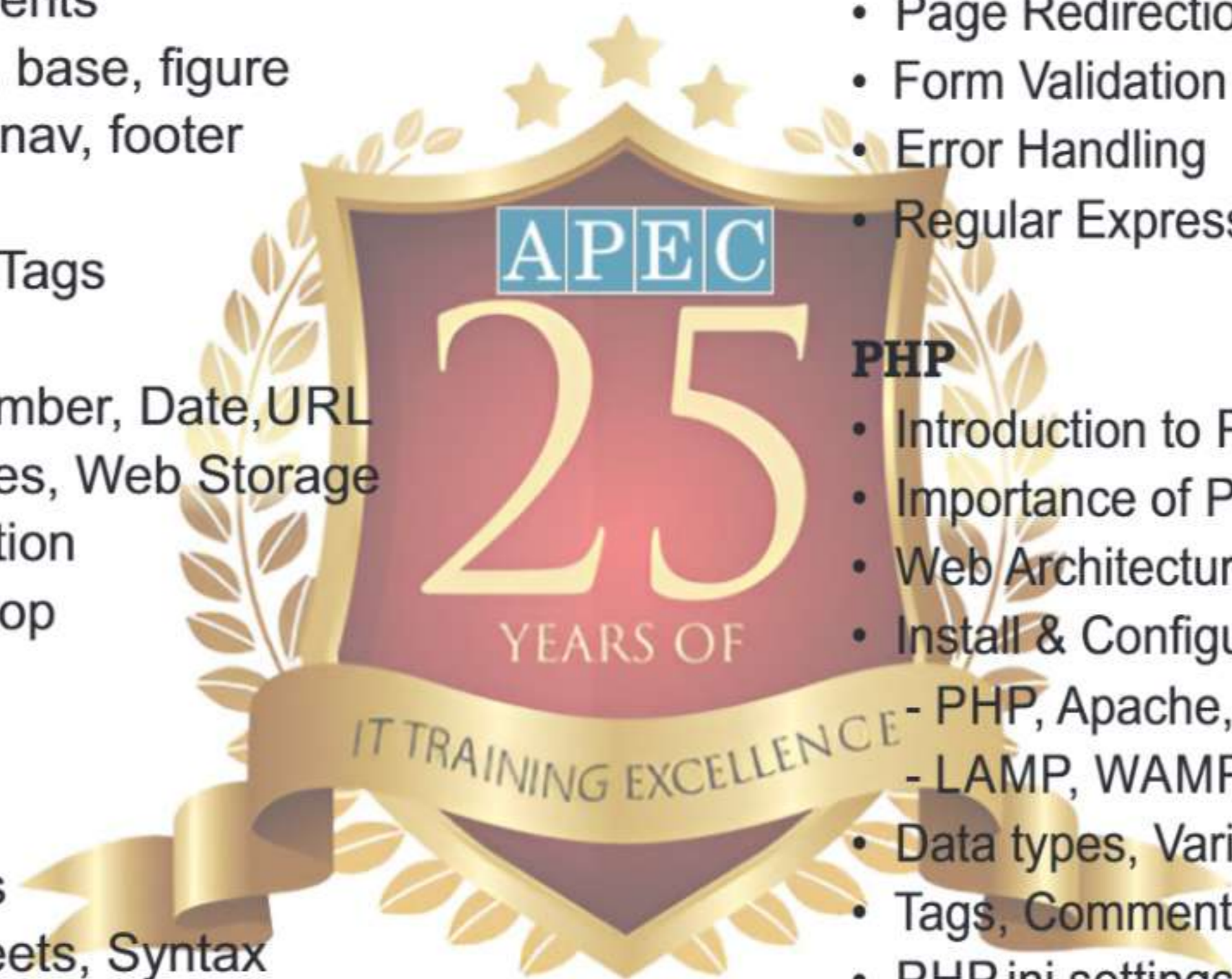
- Introduction of Css
- Types of Style Sheets, Syntax
- Difference Between Internal External & Inline
- Background Properties
- Heading properties,paragraph style's
- Paragraph border style's,table style's
- Text Properties, List Properties
- Difference Between div and span
- Hyperlink Tag Properties
- Psuedo Classes, Psuedo Elements
- Colors, Gradients
- RGB & HSL COLOR'S
- Drop Down Useing CSS
- Multi Column Layout
- Media Queries
- Shadow Effects
- Border Properties
- Transformation ( 2D , 3D)
- Transitions
- Animations

## JAVASCRIPT

- Introduction to JavaScript.
- Uses, Syntax, Comments
- Printing Statement
- Variables, Operators
- Conditions, Loops, Switch
- Functions ( String , Date, Math )
- User Defined Functions
- Browser Compatibility
- Events, Cookies, Dialog Boxes
- Page Redirection
- Form Validation
- Error Handling
- Regular Expressions

## PHP

- Introduction to PHP
- Importance of PHP
- Web Architecture, Web Server
- Install & Configure
  - PHP, Apache, MySQL
  - LAMP, WAMP, XAMPP, MAMP
- Data types, Variables, Operators
- Tags, Comments
- PHP.ini settings
- Constants - Magic, Pre/User defined
- Conditional Statements
  - If, If/else if/else, Switch
- Loops - While, Do..while, For
- Functions
  - Passing Arguments by Value
  - Passing Arguments by Reference
  - Recursive / String functions
  - Include & Require statements
  - Date, Time, Math
- Arrays, Types of arrays
- Array functions
- PHP Forms, Form submit
- Get & Post methods



## ADVANCED PHP

- Regular Expressions (Validations)
  - Textboxes, Email, Password
  - Date, Phone, Zipcodes
  - Custom regular expressions
- Sessions, Variables, Session ID
  - Create/Retrieve/Destroy session
- Cookies, Types of Cookies
  - Create/Retrieve/Delete cookies
- Exception Handling
  - Try, Throw, Catch
- CRUD - Create/Read/Update/Delete
- Upload/View/Download files
- Pagination
- User Registration • Send Emails
- Authenticate users with PHP/HTTP
- Introduction to Web Services

## MySQL

- Introduction, Installation
- Administration
- PHP Syntax, Connection
- Create/Drop/Select Database
- Data types, Create/Drop tables
- Query - Insert/Select/Update/Delete
- Where/Like Clause, Sort, Join
- NULL Values, Regexps
- Alter command
- Transactions, Indexes, Sequences
- Temporary/Clone Tables
- Database Export/ Import

## AJAX

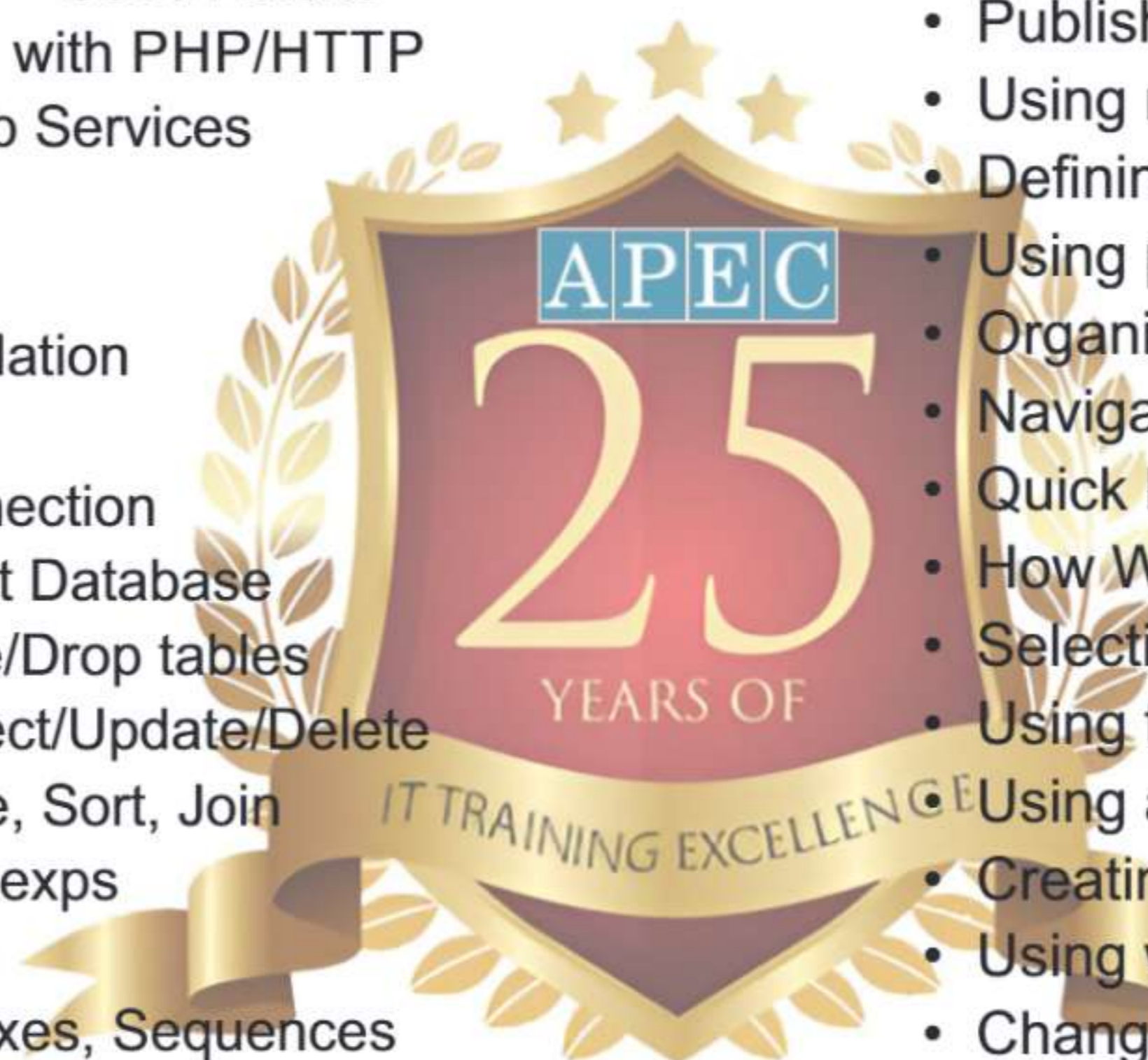
- DOM, XML Formats
- HTTP Requests
- Links with Ajax
- Dynamic Forms

## JQUERY

- Introduction, jQuery Elements
- I D selector, Class selector
- Declaring Button/Fade actions
- Fade actions Properties
- Declaring Slide actions
- Slide actions Properties
- Declaring Load Method actions
- Load Method actions Properties
- Declaring Slideshow images
- Animation Properties
- Declaring Text Effects
- Text Effects Properties
- CSS properties, Creating Web Gallery

## WORDPRESS

- Introduction to Wordpress
- Installing and Running WordPress
- Using Wamp & XAMPP Servers
- WordPress Dashboard, Toolbar
- Difference between Post and Page
- Creating New Post
- Using Categories and tags
- Advanced Text Formatting
- Creating and managing Links
- Add an Image Gallery
- Add Images from External Sources
- Add Media through YouTube
- Comparing & restoring old versions
- Publishing post
- Using more tag and Exerpts
- Defining post formats
- Using page template
- Organizing page Hierarchy
- Navigating Dashboard Index pages
- Quick Edit, Bulk Edit
- How WordPress Handles Media
- Selecting and changing the themes
- Using theme customizer
- Using a custom header image
- Creating a custom menus
- Using widgets
- Changing the front page view
- Installing Wordpress themes
- Installing custom Themes, Plugins
- Creating User friendly Permalinks
- Configuring Comment Settings
- Managing Comments





JAVA / PYTHON / .NET  
**FULL STACK**



**DATA SCIENCE**



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