

CURRICULUM FOR PHP

BY:- MOHAN SHARMA (15 YEARS EXP.)

SS-TECH

Unit- 1

Theory/Practical

TOPICS

- Introduction To HTML
- Structure of HTML
- Attributes & Values
- Comments , Header
- Tags Image Tag
- Link Tags (Text &Image) Marquee Tag

Unit- 2

Theory/Practical

TOPICS

- Table, List
- Form without Table
- Form with Table

Unit- 3

Theory/Practical

TOPICS

- Audio
- Video
- Introduction of CSS

Unit- 4

Theory/Practical

TOPICS

- Types of Selector
- Types of CSS
- Property of CSS
- Border, Padding
- Opacity, Margin
- Gradient

Unit- 5

Theory/Practical

TOPICS

- Animation Properties
- Layout Design
- Div. Creation
- Gallery Page

Unit- 6

Theory/Practical

TOPICS

- Introduction to JavaScript, Variable ,Operators, Conditions Looping and Array
- introduction to functions
- Popup Boxes(Alert, Confirm, Prompt)
- Introduction to functions

Unit- 7

Theory/Practical

TOPICS

- Form Handling DOM Manipulation Pre- defined functions
- Introduction to Objects
- What is property and methods
- Array, Validation
- Log in Page Validation
- Contact Validation
- Email Validation

Unit- 8

Theory/Practical

TOPICS

- Installation of PHP
- Variable initialization with PHP
- PHP Data types
- PHP Constants
- PHP Operators

Unit- 9

Theory/Practical

TOPICS

- If else
- If else if else
- Nested If
- Switch Case
- For loop
- While loop
- Do While Loop
- Nested Loop

Unit- 10

Theory/Practical

TOPICS

- **Project Allotment**
- Project title given to the Student as well as Description of the project deliver to the students

Unit- 11

Theory/Practical

TOPICS

- **Array**
- Index based arrays
- Associative Array
- Multidimensional arrays

Unit- 12

Theory/Practical

TOPICS

- **Form Handling / Manipulation of User Inputs**
- Presenting the user with input options via different HTML fm elements
- Retrieving form data with `$_POST`, `$_GET` and `$_REQUEST` arrays
- Preserving Data in Form inputs

Unit- 13

Theory/Practical

TOPICS

- **Introducing Functions**
- Defining functions
- Using parameters
- Returning values
- Reusing Codes
- Array ,String, Local Variables, Super Variables, Array Variables

Unit- 14

Theory/Practical

TOPICS

- **File Handling**
- Saving data for later using file system.
- Opening a file
- Creating and Writing to a file
- Using other useful file functions
- Create a directory
- Remove a directory
- File Uploading & Downloading
- File uploading Concepts
- Multiple File Upload

Unit- 15

Theory/Practical

TOPICS

- **State Management**
- Session, Cookie, QueryString, Hidden Field
- What is Session?
- Starting a Session
- Registering Session variables Using Session Variables
- Destroying the variables and Session
-

Unit- 16

Theory/Practical

TOPICS

- Relational Database Concept and Technology
- Web Database Design
- Web Database Architecture
- Creating a MySQL Database
- Creating Database
- Tables Column
- DataTypes
- Implementing Insert/Delete/Update and select
- Query Aggregate
- Functions
- Dropping Tables and Databases
- Introduction to PhpMyAdmin

Unit- 17

Theory/Practical

TOPICS

- My SQL Connectivity
- Inserting data into the database

Unit- 18

Theory/Practical

TOPICS

- Retrieving data from the database
- Login system

Unit- 19

Theory/Practical

TOPICS

- jQuery introduction
- jQuerySelectors and its events
- Css()
- fadeIn(), fadeOut(),fadeToggle()
- slideDown() , slideUp(),slideToggle()

Unit- 20

Theory/Practical

TOPICS

- bind ()
- Change Event
- Select Event
- bind Event

Unit- 21

Theory/Practical

TOPICS

- Object oriented concepts
- Classes, object sand operations
- Class attributes
- Functions
- Default functions
- Parameterized function
- Get the values from the user

Unit- 22

Theory/Practical

TOPICS

- Introduction to Constructors
- Default constructor
- Parameterized constructor
- Getting the values from the user by constructor

Unit- 23

Theory/Practical

TOPICS

- Interface
- Access Modifier
- Final keyword

Unit- 24

Theory/Practical

TOPICS

- Inheritance
- Polymorphism
- Overloading
- overriding

Unit- 25

Theory/Practical

TOPICS

CODEIGNITER

- Introduction Codeigniter
- Why Framework
- Introduction to MVC
- Folder Structure
- Configuration Setting
- Routing Controllers
- Introduction Of Controller
- CI_ Controller, Request Parameters, Actions Controller
- Methods & Attributes
- Creating
- Core Controller Class

Unit- 26

Theory/Practical

TOPICS

- VIEWS
- Creating Views
- Layouts (Use Image, CSS, Bootstrap, JS)
- Calling in controller
- Views

Unit- 27

Theory/Practical

TOPICS

- MODELS
- Creating Model
- How to Load in controller
- Calling in Controller
- Apply the Business logic
- Creating Core Model Class
- Database Queries

Unit- 28

Theory/Practical

TOPICS

- MVC
- Model View Controller
- Insert the data into the database by CI

Unit- 29

Theory/Practical

TOPICS

- Retrieve the data from the database
- By code igniter

Unit- 30

Theory/Practical

TOPICS

- DATABASE
- Introduction
- Login system creation by codeigniter

Unit- 31

Theory/Practical

TOPICS

LARAVEL

- LARAVEL
- Introduction of Laravel
- MVC Laravelrouting
- Installing Composer and Command line tool
- Bladeessentials

Unit- 32

Theory/Practical

TOPICS

- Laravel Route groups and filters
- Working with Database
- Eloquent CRUD

Unit- 33

Theory/Practical

TOPICS

- Laravel Query Builder
- Laravel Migrations
- Laravel Database

Unit- 34

Theory/Practical

TOPICS

- (DEVELOP A WEB APPLICATION)
 - Project Work
- 

Unit- 35

Theory/Practical

TOPICS

- Project Work

THANK YOU

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