Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for PHP

Given below is the brief description for the course you are looking for: -

Static Webpage Development

Introduction to web

Browser
Website
Webpage
Content of webpage
Static vs dynamic webpage
Technologies to create static webpage
Technologies to create dynamic webpage

HTML5

Introduction to HTML
What is HTML?
Minimum structure of HTML
What is tag in HTML?
What is element in HTML?
What is void element in HTML?
What is Attribute?
Nesting Elements

Basic elements
The <html> element
The <head> element
The <body> element
The <title> element
The DOCTYPE Declaration
Heading elements (h1-h6)
The <p> element
The <b> element
The <i> element
The <u> element
The element
The element
The <sup> element

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The <sub> element
The <audio> element
The <video> element
The <figure> element
The <figcaption> element
The <img> element
The <hr> element
The <br> element
The <a> element

Table in HTML
The <table> element
The <tr> element
The <th> element
The <td> element
The <thead> element
The <tfoot> element
The <tbody> element
Giving caption in table

Input from User
The <input> element
The <button> element
The <textarea> element
The <select> element
The <option> element
The <optgroup> element
The <fieldset> element
The <legend> element
HTML5 input types
HTML5 input attributes
Datalists

List in HTML
The <ol> element
The <ul> element
The <li> element

Elements for layouts
The element
The element
The <header> element
The <footer> element

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The <nav> element
The <section> element
The <aside> element
The <article> element

More elements in HTML
The <meta> element
The <script> element
The <link> element
The <iframe> element

Global attributes
The id attribute
The class attribute
The hidden attribute
The title attributes
The lang attributes

More HTML
HTML Symbols
Various attributes depend on elements
Validating Form data using HTML5
Embed YouTube video in Webpage
Embed Google map in Webpage

CSS (Cascading style sheet)

Basics of CSS
What is CSS and why we need it?
Internal CSS
External CSS
Inline CSS

CSS selectors
The type selector
The class selector
The id selector
The attribute selector
The descendant selector
grouping selector
The child selector
The universal selector

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More CSS
Block level tags and inline level tags
Difference between div and span
Measurements
Fonts and typography
Managing text styles
CSS colours
Positioning elements
Pseudo classes
CSS box model
Fixed width layout
Responsive layout
CSS3 properties

Templates

HTML, CSS based templates
Create website using templates

Website Hosting

Free subdomain
Free hosing
Free vs paid hosting

JavaScript

Basics of JavaScript
JavaScript and HTML text
Using comments
Variables
Operators
Global variables
Local variables

Expression and control flow in Javascript
Conditionals
Looping

Functions
JavaScript Functions
Create your own functions

DOM (Document Object model)
Selecting page elements

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Interacting with page Elements

More JavaScript
Accessing CSS properties from JavaScipt
Adding new elements
Removing elements
Change attributes of HTML tags
using Interrupts
Animation
Validation

Project 1 [Collection of related static webpages]

Dynamic Webpage Development

Basic Terms
Network
Internet
Client
Server
Types of server
Web Server
Web Client
IP address
Port number

More basics
HTTP request
HTTP response
Static webpage processing
Dynamic webpage processing
Ways of HTTP request

Installation of Software's
Installation of PHP, MySQL and Apache (Wampserver / XAMPP)
Installation of IDE

Basics of PHP

Introduction to PHP
How to display output
Datatypes and variable declaration

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Datatype conversion
Using comments
Operators
Type casting

Control flow in PHP
Conditionals
- The if statement
- The else statement
- The else if statement
- The switch statement
- The ? operator

Looping
- while loop
- do...while loop
- for loop
- breaking out of a loop
- The continue Statement

Arrays in PHP
Numerically Indexed arrays
associative arrays
assignment using the array keyword
the foreach .. as loop
Multidimensional arrays
Super global arrays

Functions in PHP
string functions
date time functions
utility functions
using array functions
Checking of function existence
create your own functions
passing by value
passing by reference
global variables in functions

Form Handling in PHP
Difference between GET and POST
Building Forms
Retrieving submitted data
Sanitizing input

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Reusing Code in PHP
include statement
include once statement
The require statement
The require once statement
Breaking HTML, CSS template and reuse of it

OOPS programming in PHP
Declaring a class
Creating an object
Accessing objects
Cloning objects
Constructors
Destructors
Writing methods
Declaring properties
Declaring constants
Property and method scope
Static properties and methods
Inheritance

Exception Handling In PHP
types of errors
@ operator
try block
catch block

Cookies in PHP
Setting a cookie
Accessing cookie
Destroying a cookie

Session in PHP
Starting a session
Ending a session
Setting a timeout
Insert value in session
Show value from session
Update value of session
Destroy value of session
Session id

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File Handling in PHP
Checking of file existence
Different modes of files
Creating a file
Reading from file

Database Programming in PHP using MySQL

Basic of database
What is data?
What is information?
What is table?
What is database?
DBMS vs RDBMS
What is SQL?

Introduction to MySQL
Accessing MySQL via the command line
Accessing MySQL via phpMyAdmin
MySQL commands
Import and export of database

SQL using MySQL
Creating a database
Selecting database
Datatypes
Creating a table
Inserting data into table
Show data from table
Show filtered data from table
Update data in table
Delete data from table
Drop table
Drop database
Constraints
Different types of clauses
Normalization
Nested Queries
Joins

Accessing MySQL using PHP
mysql vs mysqli
Executing select query using mysqli

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Executing non select query using mysqli
Using Prepared Statements

More PHP

Uploading and Downloading in PHP
Redirection and hashing
Encryption and decryption
Authentication (User Registration, Login, Logout etc.)
SQL injection & securing website
Regular expression
Client side and server side validation
Sending email through coding
CAPTCHA
Configure PHP.INI
.htaccess file
Report Generation (.csv file)

Ajax

What is Ajax?
Using XMLHttpRequest
GET method
POST method
JSON example
Check user availability
Auto suggest

WordPress

Installation of WordPress
Getting started with WordPress
WordPress as a blogging platform
WordPress as a content management system
Work with WordPress themes
Manage multimedia in WordPress
Install plugins in WordPress

jQuery

jQuery getting started
jQuery syntax
jQuery selectors
jQuery events
jQuery effects
DOM manipulation using jQuery

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jQuery AJAX
jQuery UI Widgets like date picker

Joomla

Installation of Joomla
Adding content
Updating content
Creating menu
Installing Joomla templates

Extra benefits

Developing SEO friendly Website
Hosting of Dynamic website
Introduction to MVC

Running PHP in Linux OS

Installation of Linux OS
Basic commands
Installation of Apache, MySQL, PHP
Installation of IDE

Project 2 (Dynamic Website)

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