



NIDI[®]
www.nidi.co.in

About NIDI:

Established in the year 2011, National Institute of Digital India (NIDI) is a division of Jagriti Navdisha Foundation, a registered nonprofit society Act XXI of 1860 from Govt. of NCT Delhi, which has been in existence with extensive experience in providing computer skills through our courses and training programs.

Contact Us:

Divesh Sharma

Contact No.: 8178585732, 8750498075

Email: divesh@nidi.org.in

Website: www.nidi.co.in

Regd. Office: I-112/5, Hari Nagar Extn., Badarpur, New Delhi-110044



PHP with Web Development

PHP is a server-side scripting language, especially suited for the creation of dynamic web pages. This programming language offers web developers a large selection of instruments. PHP, which has become the basis for many web applications, allows easy insertion in HTML code and connection to Databases. PHP is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

Training Syllabus: 6 Months

HTML & HTML 5

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



- Audio, Video Tags
- About Iframe
- Embedding of Google Maps, YouTube videos
- BlockLevel and Inline Elements
- DIV Tag
- Header , Footer , Nav
- Section , Article ,Aside
- New Form Elements
- Document Testing
- About CSS Selectors
- About CSS Properties
- Background Properties
- Box Properties
- Border Properties
- Positioning Properties
- CSS Menu Design
- CSS Animation



CSS

NIDI®

www.nidi.co.in

Bootstrap for responsive design

- Introduction to Responsive Design
- Introduction to Bootstrap
- Bootstrap Grid System
- Grid Classes
- Equal Columns , Unequal Columns
- Layout Creation

PHP Language

- Installation of PHP
- PHP delimiters
- Variable initialization with PHP
- PHP Data types
- PHP Constants
- PHP OperatorsConditional Statement
- If else
- If else if else
- Nested If
- Switch Case

- Jump Statements (Break , Continue , Exit)

Looping

- For loop
- While loop
- Do while loop
- Nested Loop

Introduction to ARRAY

- How to use an important programming construct: arrays
- Numerically Indexed arrays
- Non-Numerically Indexed arrays (Associative Array)
- Multidimensional arrays
- Array sorting

JavaScript

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

- Form Handling
- DOM Manipulation
- Pre- defined functions
- Introduction to Objects
- What is property and methods
- String , Math , Navigator , Date ,Array , Window Objects
- Introductions to object based technology
- Class , object , property , inheritance
- Client Side Validation (Regular Expression)

MySQL Database

- Relational Database Concept and technology
- Web Database Design
- Web Database Architecture
- Creating a MySQL Database
- Creating Database Tables
- Column Data Types
- Implementing Insert/Delete/Update and select Query
- Aggregate Functions
- Having and Group By Clause

- Joining Table
- Implementing Primary key, Unique Key, Composite key, foreign key, default constraint etc.
- Joining Table
- Dropping Tables and Databases
- Introduction to Phpmysql

jQuery introduction

- jQuery Selectors , events , DOM , animations
- jQuery accordions, carousel, tab
- jQuery conflict
- Ajax Implementation
- CRUD Operation with AJAX

PHP CMS (Content Management System)

1. Wordpress
2. Opencart

PHP MVC Framework:

1. Codeigniter
2. Laravel

API Development:

It includes development of API for web apps, desktop apps, mobile apps in MVC & Core.

Project:

Creating Dynamic Web Application

- Frontend Using Bootstrap & templates
- Backend Using Templates

Two major projects:

A project in Core PHP.

A project in MVC framework.

These projects also include, third party library integrations for ecommerce apps like payment gateway, sms service, email service etc.

Composer for projects

Composer is an application-level package manager for the PHP programming language that provides a standard format for managing dependencies of PHP software and required libraries.

Advance topics, mandatory for industry purpose.

Web Hosting

- Manage Domain with name server
- Manage Web Hosting from FTP and CPANEL
- Managing Database, Email Accounts, Sub Domains etc.
- Live your project.

Deployment

Project deployment on live server.

Git (Version Control) for teamwork

Version control is a practice of tracking and managing changes to software code. It is a software tool that helps software developers teams to manage changes to code over time.

It allows the team members to manage source code on a single project from different machines.

Project management tools (Trello)



NIDI[®]

www.nidi.co.in