

House # 80, Road # 8/A, Mirza Golam Hafiz Road, Dhanmondi, Dhaka-1209, Bangladesh.

Web Site: <http://cdip.uiu.ac.bd/> Facebook: <https://www.facebook.com/CDIP.info/>

PHP, OOP & Laravel

Introduction:

- Local Development Environment and Software Install
- PHP Syntax, Tags, Variables, Superglobals, Constants, Operators.

Control Structures:

- if, Switch Statements
- Loops -
- while-do...while-for-break and continue.

Array:

- Numeric array, Associative array, Multidimensional array.
- Looping through Arrays.
- Array Manipulation Functions

Common Features:

- PHP Date and Time
- FORM in PHP
- PHP File Handling
- PHP Session, Cookies
- PHP and Ajax
- PHP CURL
- Sending Email using mail()

OOP Fundamentals:

- Defining a class
- Defining a Method, Properties
- Access Control Modifiers, Data Access
- Class Inheritance
- Abstract Class, Final Class, Final Method, Interface.
- PHP Traits, Static Keyword.
- Namespace

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PHP 7 New Features: Scalar type hints, Return type declarations, Anonymous classes, Closure::call(), Generator Return Expressions, , Generator delegation, null coalesce operator, space ship operator Throwables and others.

Windows - Local Environment Setup:

- Installing PHP development environment IDE install
- Composer
- Git
- Creating a Laravel project
- Virtual Hosts
- Opening a project in the IDE

Laravel Fundamentals

- Laravel Structure Overview Routing
- Middleware
- Laravel Request Lifecycle

Laravel Fundamentals – MVC & Other

- Controllers
- Models
- Views
- Library
- Helper
- Artisan
- Encryption
- Session
- Service Container, Facades

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Laravel Fundamentals - Laravel Blade templating engine:

- Master layout setup
- Some more blade features

Laravel Fundamentals - Database - Laravel Migrations:

- Environment configurations
- Migrating
- Creating migration and dropping them
- Adding columns to existing tables using migrations
- Some more migration commands

Laravel Fundamentals – Query builder

- Inserting data Reading Data
- Updating Data Deleting Data
- Joining Query

Laravel Fundamentals - Database - Eloquent / ORM:

- Reading Data
- Reading / Finding with Constraints More ways to retrieve data
- Inserting / Saving Data
- Eloquent Relationship

Project: Create a basic ecommerce site with Laravel.

ADMIN PANEL

- Create Admin Panel
- Category Management Product Management Order Listing
- User Role & Permission
- Payment history

Front End

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- Home Page with Product Listing.
- Search Product
- Shopping Cart
- Checkout
- Payment Method Integration (Paypal, Stripe)
- Ajax
- Angular JS

Final Presentation (1 Class)