



Advanced Certification Program on WEB DEVELOPMENT WITH PHP



Trained over
2 lakhs students



Inception in
7+ countries



Track record of
98% placement



About Programs

This advanced certification program developed by the faculty at IIT Guwahati and industry experts at SkyySkill Academy, A complete program on Web Development using a variety of technologies. A complete program on Web Development using a variety of technologies. This course will make you ready for a web development position of any industry. This program is best for beginners who want to kick-start their career in the Web Development field.

Learning Format
Online Mode

Duration
6 Months

**100% Placement
Guarantee**

**Top University
Admit**

Virtual Projects

ABOUT SKYYSKILL ACADEMY

SkyySkill Academy is an Epitome of skill developing Institutions . It Provides wide range of courses which enables students to become empowered and employees through world class training. The practical & industrial approach has made SkyySkill the industry leader.

KEY HIGHLIGHTS

- ✓ 100% Live Session and 1:1 Mentorship
- ✓ Placement Guaranteed Programs
- ✓ Live Projects
- ✓ Industry Recognized Courses & Certificates
- ✓ Industry Standard projects
- ✓ 24X7 doubt clearing assistance
- ✓ On demand doubt clearing classes
- ✓ Most affordable & Best in class



WHO CAN APPLY FOR THE COURSE?

- Freshers and Engineering Graduates
- Software Developers
- Web Development Professionals
- Aspiring Professionals and Students

APPLICATION PROCESS

The application process consists of four simple steps. Candidates have to submit their application. An offer of admission will be made to the selected candidates, and their application will be accepted upon the payment of the admission fee.

1

Start your application Process by clicking on Apply Now.

2

Fill the second round of form and provide all necessary information

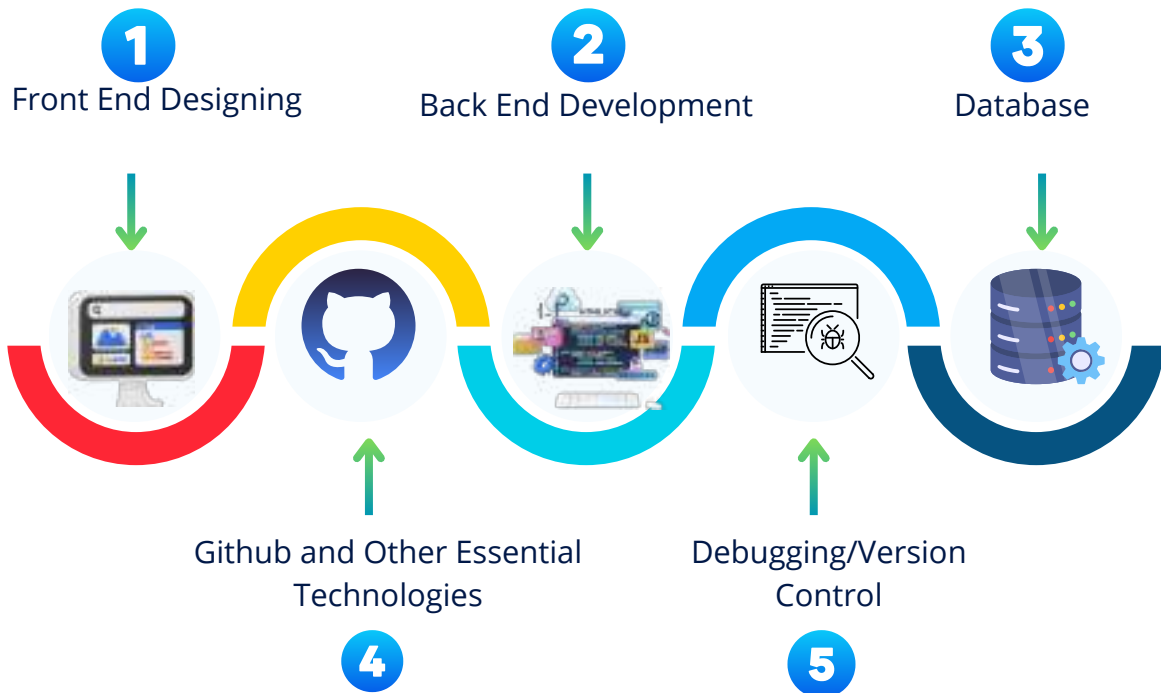
3

Telephonic Verification round to check your eligibility for the program

4

Pay the Registration fees (only for Eligible Students) and you are enrolled

LEARNING PATH



ABOUT E&ICT ACADEMY, IIT GUWAHATI

E&ICT Academy is a joint initiative by the Ministry of Electronics & Information Technology (MeitY), Government of India and IIT Guwahati with the aim of training the forthcoming technical workforce to enhance employability and build capacity in the area of Electronics & Information and Communication Technology.

The Academy offer online Advanced Certifications in Data Science, AI & ML, Big Data, Cloud Computing, Web Development, VLSI Design, & Management-related courses and has trained 2500+ graduates & working professionals.

Exclusive Features with E&ICT Academy, IIT Guwahati

Advanced Certification of Full Stack Web Development, jointly offered by E&ICT Academy, IIT Guwahati Guest

- Lectures from top faculties of IIT Guwahati

E&ICT Academy, IIT Guwahati
inaugurated by
Hon'ble Prime Minister
Shri Narendra Modi



COURSE CURRICULUM

FRONT-END DESIGNING

Module 1: HTML

- Introduction to Course
- History of Web
- Getting Started with HTML
- Semantic tags
- Tag types
- Tables
- Entities
- Forms and elements
- Media tags (Audio, Video, You Tube, Plug-in)
- Favi Icons
- APIs
- Meta tags for SEO

Module 2: CSS

- Introduction to CSS
- Classes & ID's
- Grouping, Chaining & Testing
- Colors, pixels and text styling
- Borders
- Margin & Padding
- Types of Display: Inline, Inline-block, Block
- Poster, Box Model

Module 3: JAVA SCRIPT

- History of JS
- How JS Works?
- Beginning as a Language
- Prototypes & Closures
- Basics of ES6
- Symbols
- Manipulating DOM
- Handling Events

BACKEND DEVELOPMENT (PHP)

Module 1: PHP

- PHP Basics
- Default Syntax
- Styles of PHP
- Tags PHP Page
- Comments in PHP
- Php Page and HTML page
- Output functions in PHP
- Configuration Settings
- Error Types
- Data types in PHP

Module 2: Variable in PHP

- Variable Declarations Variable Scope
- Scalar Type Compound Type Special Type
- Variable Variables Scalar type declarations.
- PHP's Superglobal Variables
- \$_GET
- \$_POST
- \$_REQUEST
- \$_FILES
- \$_SERVER
- \$_ENV
- \$GLOBALS
- global

Module 3: Cookie and Session

- What is state management?
- Types of State Management
- \$_COOKIE
- Why Cookies Types of Cookies
- How to Create and Access Cookies
- \$_SESSION
- Session Variables
- Creating and Destroying a Session
- Retriving and Setting the Session ID
- Encoding and Decoding Session
- Data Auto-Login
- Remember Me feature Recently Viewed Document Index

COURSE CURRICULUM

Module 4: Conversion

- Type conversion in PHP Type
- Functions
- is_integer, is_boolean etc.

Module 5: Controls Statements

- Execution Control Statements
- Conditional Statements
- if-else, switch-case, while, do-while, for, foreach, break, continue, return, exit, die, include, include_once, require, require_once, declare

Module 6: Operators

- Arithmetic Operators
- Comparison Operators
- Logical Operators
- Assignment Operators
- Scope Resolution Operators
- Null coalescing operator Spaceship operator

Module 7: Functions

- What is Function?
- Creating Functions
- Nested Function
- Passing Arguments by Value
- Passing Arguments by Reference
- Returning values
- Returning an array
- Variable function
- Recursive Functions
- Predefined function
- Helper Functions
- Return type declarations

Module 8: String with Functions

- Declarations styles of String
- Variables Searching & Replacing String
- Creating and accessing
- String Formatting String
- Here doc style
- Related Library function

Module 9: MBSTRING

- Introduction Functions Encoding
- Decode Replace
- Match Search Position Split
- Case conversion Substring

Module 10: Date Time with Functions

- PHP Date () Function
- Get a simple date
- Get your time zone
- Create date with PHP mktime()

Module 11: Arrays

- What is an Array?
- How to create an Array?
- Numeric Array
- Associative Array
- Different types of arrays available in PHP
- Traversing Arrays
- PHP array functions

Module 12: OOPs in PHP

- What is OOPS?
- Class, Object, Inheritance, Polymorphism, abstraction,
- Encapsulation
- Concepts of object.
- Constructor & destructor Static
- Constant & Global Constants in PHP
- Magic Constants
- Standard Pre-defined Constants
- User defined Constants
- Define function
- Magic Method _set() , __construct() etc.
- Object Cloning and Copy
- Reflections Namespace
- Anonymous classes



COURSE CURRICULUM

ADVANCED PHP

Module 1: Advanced JQuery

- JQuery validation
- JQuery UI
- Fancy Box
- Coin Slider
- BX Slider
- Table sorter
- Key board
- Image upload
- Sorting

Module 2: JSON

- What is JSON?
- JSON syntax
- Single, 2D JSON object
- JSON with Ajax

Module 3: API Integration

- What is an API?
- API Provider
- API code Implementation
- RSS Syntax
- Web Services
- Creating REST Services
- SOAP
- How to consume and use Web Services/APIs in
- Projects

Module 4: SMS Integration

- What is SMS Server?
- SMS Gateway
- SMS Provider
- Sending messages

Module 5: Curl

- Activate curl library
- Curl_init ()
- Curl_setopt ()
- Curl_exec ()
- Curl_close ()
- Constant & Global Constants in PHP

Module 6: Webhosting

- Domain server provider
- About litdomain.com
- Domain and Web Server
- Cpanel of Domain and server
- Name Server
- Professional email
- Ex: info@litindia.in
- Access Webmail
- FTP Details
- Web hosting Software
- Web Hosting

Module 7: Mailing Integration

- Protocols
- HTTP Headers and types
- PHP mail () function
- Sending Mails using PHP
- Mail from localhost
- PHP Mailer
- Email with Attachment
- Definition and usage PHP Mailer

Module 8: XML and XSLI

- What is XML
- XML, XML Schema and DTD
- DOM interface
- Simple XML String
- Simple XML File
- Reading Information from XML File
- Create a XML file from PHP with Database records
- XSLT transformations and programming

Module 9: Hash

- PHP sha1() function
- Md5
- Definition and usage

COURSE CURRICULUM

FRAMEWORK- LARAVEL

Module 1: Introduction to Laravel

- What is Laravel?
- Installation and setup
- Laravel directory structure

Module 2: Routing

- Basic routing
- Route parameters
- Route groups and namespaces

Module 3: Controllers

- Creating controllers
- Resource controllers
- Dependency injection

Module 4: Views

- Blade templating engine
- Passing data to views
- Blade layouts and sections

Module 5: Models and Database

- Eloquent ORM
- Model relationships
- Migrations and database seeding

Module 6: Form Validation and Requests

- Form validation
- Handling form data with requests

Module 7: Authentication

- User authentication
- Authorization and policies

Module 8: Middleware

- Creating middleware
- Global and route-specific middleware

Module 9: Error Handling and Debugging

- Debugging with Laravel
- Error handling and reporting

Module 10: API Building

- Building RESTful APIs
- API authentication

Module 11: Deployment

- Preparing for deployment
- Deployment strategies

DATABASE- MYSQL

Module 1: MySQL

- Introduction to database?
- What is information and data?
- How to maintain database.
- What is MySQL?
- Integration with MySQL
- Storage Engines
- MySQL functions DBMS
- SQL
- PHP My Admin
- Security database

Module 2: PHP with MySQL

- Connection with MySQL
- Command
- Execute
- Fetch
- Insert, delete, and update records
- Security
- .ini file
- OOPS with MySQL
- PHP MySQL functions

Module 3: Login Module

- Registration code
- Login code
- Forget password code
- Change password code
- Logout Code
- Count no of visitors visits your Web Pages.

Module 4: Image Manipulation

- GD Library
- Functions of GD Library
- Blank image
- Recourse of an image
- Filtering an image
- Image format, size

COURSE CURRICULUM

- Create thumb size image
- Uploading an image
- Resize an image
- Compress an image
- Cropping an image

Module 5: File Handling and OS

- File and directory
- Open, close, Read, write, append, delete
- Uploading and downloading files.
- File exists
- File Size
- Rename
- Display all files present in a directory.
- Reading and displaying all images present inside a directory.
- Displaying all titles inside a directory of pages.
- Create Directories and Manipulate them Information about Hard Disk
- Calculating File, Directory and Disk Sizes
- File Uploading and Downloading using Headers

Module 6: Error and Exception Handling

- Error Logging
- Error Reporting Types of Exceptions
- Diff. between Exception & Error Throwing an Exception
- PHP's Exception Class
- Custom Exception
- Re-throwing an Exception Try

GITHUB

Module 1: GITHUB

- What is Git?
- How to Install Git on Windows?
- What is GitHub?
- Git commands
- Git vs. GitHub
- Git Push Commands
- Git Pull Commands

WHAT YOU COULD BECOME

- ✓ Software Engineer
- ✓ Backend Developer
- ✓ Full Stack Developer
- ✓ PHP Developer
- ✓ Web Developer

PROGRAM COMPLETION CERTIFICATE

Post completion of 26 week of intensive training, students will receive Advanced IIT Certification offered in partnership with E&ICT Academy, IIT Guwahati. The certificate is recognised by MeitY and the Government of India.





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ACADEMY

OUR CENTERS



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RESEARCH CENTER

CUTM, Jatani, Khurda



SKILL DEVELOPMENT CENTER

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