



Web

Technologies

“Become a Full Stack Web developer”

In Just 100 Hours

(App. 3-4 months)

Blended Approach

Instructor Led-Hands on - 56 Hours

Real Time Project - 44 Hours

Transform your future with our education



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SKILL9 Academy
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Why take this course?

- Designed for Graduates/Under Graduates or job seekers and professionals who wants to enhance their technical knowledge
- Studying/Studied GRADUATION
- Any Graduate/engineer who is interested in Coding Freshers/Graduates
- Non-programming engineers

In addition Course helps you

- Improve your logical thinking: Improve your problem-solving abilities
- Improve your searching skills: Understand how software applications work
- Find a nice and well-paid job; Improve your self-confidence
- 100% JOB ASSISTANCE after completion of course to make your Profile reach to Hundreds of Recruiters in our network and with the company we have tie up

Features

- Real-Time Projects
- Hand's On Experience
- Mock Tests and Mock Interviews
- Daily Assignments and Seminars



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Introduction to PHP (1 hr)

- What is PHP?
- Setting Up a PHP Development Environment
- Your First PHP Script
- Variables and Data Types
- Operators

Control Structures (1 hr)

- Conditional Statements (if, else, elseif)
- Switch Statements
- Loops (for, while, foreach)
- Break and Continue

Functions (1 hr)

- Defining and Calling Functions
- Function Parameters and Return Values
- Built-in Functions
- Scope and Variables

Arrays (1 hr)

- Creating and Manipulating Arrays
- Associative Arrays
- Multidimensional Arrays

Working with Forms and User Input (1 hr)

- Handling Form Submissions
- Super Global Arrays (e.g., \$_GET, \$_POST)
- Form Validation

Working with Files and Directories (1 hr)

- Reading and Writing Files
- File Handling Functions
- Directory Operations

Error Handling (1 hr)

- Handling Errors and Exceptions
- Custom Error Handling

Introduction to Databases and MySQL (1 hr)

- Connecting to a Database
- Executing SQL Queries
- Fetching Data from the Database
- Inserting and Updating Data
- Prepared Statements for Security



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Basic Web Development (1 hr)

- Creating Dynamic Web Pages
- Cookies and Sessions
- Working with HTTP Headers
- Basic URL Routing

Introduction to Object- Oriented Programming (OOP) (1 hr)

- Classes and Objects
- Constructors and Destructors
- Inheritance and Polymorphism



Subject Evaluation



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HTML

9 Hours



HTML Basics (1 hr)

- Introduction to HTML
- Web Architecture
- Document Structure

Setting Up Your Environment (1 hr)

- Visual Studio Code Installation and Extensions

Essential HTML Components (1 hr)

- HTML Tags
- HTML Comments
- HTML Elements
- Self-Closing Tags
- Text Elements
- Text Formatting

Creating Forms and Lists (2 hrs)

- HTML Forms
- Lists in HTML

Working with Media and Graphics (1 hr)

- Images and Attributes
- Video and Audio Integration
- Scalable Vector Graphics (SVG)

Layout and Document Structure (1 hr)

- Inline vs. Block Elements
- HTML Tables
- Semantic HTML
- Embedding Content with iFrames

Special HTML Features (1 hr)

- Marquee Tag
- The Element

Practical Application (1 hr)

- Resume Project
- Form Validation

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Basics of CSS (1 hr)

- Introduction to CSS

Working with CSS Styles (2 hrs)

- Inline, Internal, and External CSS
- Managing Color Properties in CSS
- Text Styling and Font Management

Advanced CSS Styling (2 hrs)

- Positioning Elements in CSS
- Mastering Colors and Backgrounds, including Gradients
- Transitions and Animations in CSS
- Transformations in CSS
- Creating Box Shadows with CSS

Working with CSS Styles (1 hr)

- CSS Selectors and the Concept of Inheritance
- Class and ID Selectors in CSS

Layout and Design Techniques (2 hrs)

- The CSS Box Model
- CSS Sizing Units
- Styling Images and Backgrounds
- Advanced Layouts with Flexbox and Grid



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Javascript

5 Hours



Introduction to JavaScript (1 hr)

- What is JavaScript?
- JavaScript in Web Development

JavaScript Statements & variables

- Expressions and Statements
- Semicolons in JavaScript

JavaScript Syntax

- Variables and Constants
- Comments
- Case Sensitivity

let, const, and var

- Using let
- Constants with const
- Legacy var Keyword

Arithmetic in JavaScript

- Mathematical Operators
- Operator Precedence

Data Types in JavaScript

- Primitive Data Types
- Objects and Reference Types

JavaScript Functions (1 hr)

- Declaring Functions
- Function Parameters and Arguments
- Return Statements

JavaScript Objects (1 hr)

- Creating Objects
- Object Properties and Methods
- Object Constructors

JavaScript Events & Array Methods & Comparison

- Event Listeners
- Handling User Interactions
- Working with Arrays
- Array Iteration Methods
- Equality and Inequality
- Strict vs. Loose Comparison



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Loops & Hoisting in JavaScript (1 hr)

- for, while, and do...while
Loops
- Loop Control Statements
- Variable and Function
Hoisting

Classes & this Keyword in JavaScript

- ES6 Class Syntax
- Context and Scope
- Using 'this' in Functions

ES6 Features (1 hr)

- Arrow Functions
- Template Literals
- Destructuring

Async/Await

- Handling Asynchronous
Code
- Promises and Async/Await

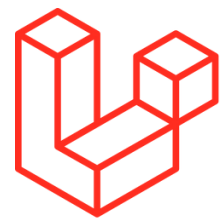
DOM Methods

- Selecting DOM Elements
- Modifying the DOM

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Introduction to Laravel (1 hr)

- What is Laravel?
- Setting up Laravel
- Introduction to Artisan CLI
- Basic Directory Structure
- Creating Your First Laravel Project

Routing and Controllers (1 hr)

- Understanding Routing
- Creating Routes
- Controllers and Actions
- Passing Data to Views
- Handling Form Submissions
- Error Handling

Views and Blade Templates (1 hr)

- Introduction to Blade Templates
- Creating Views
- Displaying Data in Views
- Conditional Statements in Blade
- Loops in Blade
- Layouts and Master Pages
- Adding Styles with Bootstrap

Database and Eloquent (1 hr)

- Introduction to Databases in Laravel
- Query Builder for Database Operations
- Eloquent ORM for Data Modeling
- Creating, Reading, Updating, and Deleting Data
- Relationships in Eloquent
- Migrations and Seeding

User Authentication (1 hr)

- Setting Up
- User Authentication
- User Registration User Login
- Password Reset
- Customizing User Profiles



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Introduction (1 hr)

- What Is Database?
- What is Database Management System (DBMS)?
- What is Relational Model ?
- Introduction to RDBMS .
- Brief on E.F CODD .

Datatypes and Constraints (1 hr)

- What are Datatypes ?
- Types and Examples .
- How to use .
- What are Constraints?
- Types and Examples.
- How to use.

Statements in SQL (1 hr)

- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Transaction Control Language (TCL)
- Data Control Language (DCL)
- Data Query Language (DQL)

Software installation (1 hr)

- Installing and set up of software
- Working on Oracle 10g.

Operators (1 hr)

- Types and Examples

Data Query Language (DQL) (2 hrs)

- Select
- From
- Having
- Where
- Group By
- Order By

Functions in SQL (1 hr)

- Introduction on Pseudo Columns
- ROWID
- ROWNUM
- Working and Usage
- Sum ()
- Avg ()



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Sub Query (1 hr)

- Introduction to Sub Query
- Working of Sub Query
- Query Writing and Execution
- Types of Sub Query
 - Single Row Sub Query
 - Multi Row Sub Query
- Nested Sub Query.

Pseudo Columns (1 hr)

- Single Row Functions
- Multi Row Functions
 - Max ()
 - Min ()
 - Count ()

JOINS (3 hrs)

- What Is Join?
- Types of Joins.
- Cartesian Join
- Inner Join
- Outer Join
- Self-Join
- Queries and Examples.

Co- Related Sub Query (1 hr)

- Working and Examples

Data Definition Language (DDL) (2 hrs)

- Create
- Rename
- Alter
- Truncate
- Drop



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Database - 3

3 Hours



Transaction Control Language (TCL) (1 hr)

- Commit
- Save point
- Rollback

Data Control Language (DCL) (1 hr)

- Grant
- Revoke

Normalization (1 hr)

- Introduction to Normalization
- Types of Normal Forms
- Examples.

E R Diagrams

- Introduction to ERD
- Examples.

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