

## Web development

### About the Courses :-

Web development is everything involved in the creation of a website. Typically it refers to the coding and programming side of web site production as opposed to the web design side. It encompasses everything from a simple page of HTML text to complex, feature-rich applications designed to be accessed from various Internet-connected devices.

Examples of feature-rich web development include ecommerce websites, content management systems (CMS) and social networks. Common web development programming languages and software include Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript, PHP, Drupal and MySQL.

### Career Prospects :-

Web developers in agencies and tech organisations usually start their careers as junior or entry-level developers before progressing to senior or mid-level developers after around five years.

In an agency this usually means meeting more clients, leading client meetings and working on more important projects. Senior developers might also manage one or two junior developers.

After ten or more years the next step is to lead developer, technical lead or head of development. This generally involves managing a team of web developers and contributing to the organisation's technical strategy and goals. You will usually see the amount of coding work decrease.

The next step can be to a senior or even board-level position, for example chief technical officer (CTO) or technology vice president.

Some organisations hire very experienced and reputable web developers, known as 'evangelists', who promote and train people in the use of a new technology or systems developed by the organisation.

In non-technical or very small organisations, there may not be distinct grade bands to progress through. However, your knowledge and skill will increase over time and should be rewarded with more responsibility and pay increases.

Some web developers choose to change careers and move away from hands-on development work into a more strategic technical role like systems analyst, business analyst, solutions architect or technology consultant. These roles require good project management, communication and strategic-thinking skills.

Over time, web developers usually broaden their programming knowledge but establish themselves as an expert in one or two languages and/or technologies. You need to stay up to date with the world of web development, test out new advancements and integrate them, if appropriate, into the organisation.

You can help advance your career by proactively learning new languages, helping out with other projects, leading on new projects, training and supervising new staff and attending client meetings.

Career progression may be faster within a small organisation; you will inevitably need to take on increased responsibility more often. However, progression is likely to be less predictable and structured.

## **Course Content :-**

### **INTRODUCTION**

1. Web pages( dynamic and static )
  - HTML ( Basic + Advance)M
  - CSS (Cascade Style Sheet)
2. Tool used in web development
3. Languages used in web development
  - PHP
  - ASP.net
4. Client side and server side languages
  - Javascript ( Basic + advance )
  - Use of Ajax
  - Use of JQuery

### **USE OF WEB DEVELOPMENT TOOLS**

- Configuration of APACHE and PHP
- Dream Viewer
- SQL Yog + PHP Myadmin ( Data base tools)

### **LEARNING PHP**

- PHP Basics
- Conditions and Branches
- Loops
- Variables and Arrays
- Strings
- Functions

### **MYSQL DATABASES**

- Database Basics
- Loading a Database
- MySQL command Interpreter
- Creating a database

- Modifying a database
- Administering a database

### **ADVANCE DEVELOPMENT TECHNIQUES**

- Introduction to framework
  - Code Igniter
  - Fuse box
- Handling Large amount of data
  - Query optimization
  - Indexes

### **DEVELOPING AN APPLICATION USING PHP AND MYSQL**

- Case study brief introduction
- MySQL functions in PHP
- Querying a database
- User-Driven Querying
- Previous and Next Browsing
- Inserts, Updates, and Deletes
- User Authentication and Management

### **Salary Offered:-**

Web developers, being the backbone of any website, are offered excellent pay-packages. Generally, a fresher can expect a salary range somewhere between Rs.10,000 – Rs.25,000. per month.

Computer professionals with engineering degrees or M.CA. qualification are offered excellent pay packages in this field.