

Kaushalya Technical Training and Consultancy Services
No. 1094, Indushankara, MCECHS Layout,
23 Cross, Dr. Shivarama Karanth Nagara, Bengaluru - 560077
www.kaushalya.tech

Web Development
using
HTML, CSS, Java Script, AJAX,
Bootstrap, PHP and MySQL

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Course Details:

Name	Web Development
Course Duration	60 hours

Web programming is essential skill to be learnt and mastered by students and professionals. Web programming is key part of any web application development. We have set front end and back end web application curriculum by considering the current industry requirements.

Objectives of Training

- Provide minds-on and hands-on training
- Understand web application development
- Learn process involved to develop web application
- Learn front end web application development using HTML, CSS, Java Script, Bootstrap and AJAX
- Learn backend programming using PHP and MySQL
- Learn web application hosting
- Build sample web application

Outcome of Training

- Trainees should be able to independently develop sample web application
- End to end application development without using much of libraries
- Trainees can develop front end web application or back end application for their projects/internships
- Training on web development should enable trainees to solve objective and programming type questions. This would help them to prepare for placements/switch career.

Syllabus

Module	Topics
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<p>Modules 1 – Web Design</p>	<ul style="list-style-type: none"> ✓ Introduction to Web design and development ✓ Lifecycle of web application development ✓ Web design – Wire framing and visual design ✓ Demonstration sample web design
<p>Module 2 – HTML</p>	<p><i>Introduction</i></p> <ul style="list-style-type: none"> ✓ What is a HTML ? ✓ DOM ✓ Elements and attributes ✓ Editors <p><i>HTML Forms</i></p> <ul style="list-style-type: none"> ✓ Introduction ✓ Form Elements ✓ Input types and attributes <p><i>HTML5</i></p> <ul style="list-style-type: none"> ✓ Introduction ✓ New Elements ✓ Semantics <p><i>HTML Graphics</i></p> <ul style="list-style-type: none"> ✓ Media, Video, Audio, Plug-ins, YouTube <p><i>HTML API's</i></p> <ul style="list-style-type: none"> ✓ Geolocation, Drag/Drop, LocalStorage, Webworkers, SSE
<p>Module 3 – CSS</p>	<p><i>Introduction</i></p> <ul style="list-style-type: none"> ✓ What is CSS ✓ Syntax ✓ Colors, Background, Borders, Margin, Padding, Height/Width, Model, Outline <p><i>Text</i></p> <ul style="list-style-type: none"> ✓ Text, Fonts, Icons, Links, Lists ✓ Hands-on and assignment

	<p>Tables</p> <ul style="list-style-type: none"> ✓ Tables, Display, Position, Overflow, Float ✓ Hands-on and assignment <p>Other Elements</p> <ul style="list-style-type: none"> ✓ Navigation Bar, Dropdowns, Tool tips, Image Gallery. ✓ Hands-on and assignment <p>CSS3</p> <ul style="list-style-type: none"> ✓ Introduction to responsive web design ✓ Introduction, Elements, Media Queries ✓ Hands-on and assignment
<p>Module 4 – Java Script and AJAX</p>	<ul style="list-style-type: none"> ✓ Introduction to Java Script Programming ✓ Variables, Operators, Data Types ✓ Functions, Objects, Scope, events ✓ String, String methods, Number, Number methods ✓ Date, Date Format, Date methods ✓ Arrays, Array Methods ✓ Conditions, Loops, Switch, Comparisons ✓ HTML DOM ✓ BROWSER DOM ✓ Prototypes, Closures ✓ AJAX ✓ JSON
<p>Module 5 – Bootstrap</p>	<ul style="list-style-type: none"> ✓ Introduction to Bootstrap ✓ What Is Bootstrap? ✓ Your First program ✓ The Grid System ✓ Introducing Navbars ✓ Forms & Tables ✓ Bootstrap Components ✓ Image gallery ✓ Carousel ✓ Modals, Popovers & Tooltips ✓ Sample Bootstrap website
<p>Model 6 - PHP</p>	<ul style="list-style-type: none"> ✓ Introduction To PHP ✓ Hello World With PHP

	<ul style="list-style-type: none">✓ Variables✓ Arrays✓ If Statements✓ For And For Each Loops✓ While Loops✓ GET Variables✓ POST Variables✓ Sending An Email With PHP✓ Develop an end to end application
Model 7 - SQL	<ul style="list-style-type: none">✓ Introduction to SQL✓ Basic SQL Commands✓ Introduction To MySQL✓ Connecting To A Database✓ CRUD Operations✓ Retrieving Data From A Database✓ Inserting And Updating Data✓ Looping Through Data✓ Session Variables✓ Cookies✓ Storing Passwords Securely
Module 8 - Project	<ul style="list-style-type: none">✓ Development of sample web application✓ Assessment