

## HTML5 Training course by Technnovation Labs



Change is the spice of life. And, Techworld is another name of rapid change. **HTML5**, the latest version of the most **versatile & dynamic markup language** i.e. HTML is a new specification being developed to move HTML forward in the realm of web applications.

**HTML5** comes up with an improved interoperability, provides better presentation with CSS3 & very well adept at developing an **online and offline web applications** with an ease. With optimized performance ability this **cutting edge technology** is rapidly raising in the preferences charts of **reputed web development & designing companies**.

If you don't know HTML5, don't despair because we will cater your demands. As a **finest HTML5 training institute**, we stand distinguished in a crowd with our **well crafted & systematic HTML5 training**. This course will walk you through the major **components of building HTML5 applications**. It will talk about how to take standard HTML5 development techniques, and use them to create **high performance applications**. Besides **learn everything** about the **new semantics** and to **leverage the new JavaScript API**.

### Course Features

#### 2-3 Hours

Weekends (Saturday/Sunday)  
Trainer interactive training

#### 2 Hours

of Daily practise, assignments by Trainers

#### 300+ Assignments

Various assignments to practise on

#### 300+ Videos

Access to Web Design Video library

#### 500+ PDFs | 500+ PPTs

Access Text based learning resouces

### Course Stats

#### 3 Trainers

Who are Sr. Web Developers in various reputed companies

#### 50+ Professionals

Have attended this course

#### 15 Projects

Projects participants have completed successfully

#### 15 Companies

Companies in which professionals are working

### Ratings

4.9



50 total

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## **Features of the course offered**

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The course has been designed so that the aspirants learn the art in a fun and learn way. All the modules of the course have a major focus on practicals and hands- on training. The teaching methodology is such that it becomes easy for the students to grasp it and right away begin with creating HTML 5 web applications once they are finished with the course and related assessments.

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## **Who all can learn**

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Well yes very much if you are an HTML developer, an Application developer, a web developer or plainly a tech freak. In short the course has been designed in a such a way that it interactively teaches professionals and students alike to design, create and use HTML5 web applications.

[Enroll for this batch](#)

**Customized Corporate Private Trainings:** We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

# Course curriculum

## 1. History, Vision & Future of HTML5

- What Is HTML5?
- History And Major Actors
  - A Little Retrospective
  - What Is The W3C?
  - What Is The WHATWG?
- Vision And Philosophy Behind HTML5
- Compatibility
- Utility
- Interoperability
- Universal Access
- Future Of HTML5
  - Timeline

## 2. Getting Started With HTML5

- The State Of Browser Support
- Feature Detection
- Support For Legacy Browsers
  - Graceful Degradation
  - Emulation
- Developer Tools

## 3. Structure of a Web Page

- HTML5 DOCTYPE
- Page Encoding
- HTML5 Markup
  - New And Updated Elements
  - Structural Elements
  - New Attributes
  - Deprecated Elements And Attributes
- HTML5 And CSS3
- Browser Support

## 4. Forms

- What Are The Needs For Web Applications?
- Current Solutions
- New Input Types
- New Attributes
- Form Validation
- Browser Support

## 5. Audio and Video

- The State of Web Audio And Video Based On Plug-in
- The State Of Audio And Video Codec (e.g. H.264, WebM, etc.)
  - Video/Audio Codec And Browser Support
- New Audio/Video Markup
- Attributes And Methods
- Understanding Audio/Video Events
- Customizing Audio/Video Controls

## 6. HTML5 Canvas

- Overview Of Graphics In The Browser
  - Canvas Vs. SVG
  - Accessibility
- Using A Canvas
- Context And Coordinates
- Drawing Shapes
- Working With Paths
  - Drawing Straight Lines
  - Drawing Circles Or Arcs
- Drawing Text
- Drawing Images
- Working With Pixels
- Understanding Transforms
  - Translation

- Rotation
- Scaling
- Browser Support

## 7. Data Storage

- Problems With The Existing Cookie-based Model
- Hacks Prior To HTML5
- New Storage Options
  - Web Storage
  - Web SQL Storage
- Browser Support

## 8. HTML5 Offline Applications

- The Need For Offline Mode
- The Manifest File
- The application Cache Events
- Deployments And Updates
- Browser Support

## 9. HTML5 Geolocation

- Introduction To Geolocation
- Privacy Considerations
- Many Ways To Get User Location
- Two Main Methods
- The Position Object
- Handling Errors
- The Position Options Object
- Browser Support

## 10. HTML5 Web Workers

- The Current JavaScript Execution Model
- Introduction To Web Workers
- Usage Of Web Workers
- Communication APIs
- Handling Errors
- Browser Support

## 11. HTML5 Web Sockets

- Overview Of Web Communication Options
  - The History (Comet)
- Overview Of Web Sockets API And Protocol
- Advantages Of Web Sockets
- Browser Support

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## Live Project

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After the completion of the training, participants get to work on a Live project.

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## Corporate Training

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## Job Profile

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### What will be your job profile after successful completion of this course

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At the end of the course, at the sole discretion of the participant he may either to choose to begin something on his own like become a HTML 5 web development consultant or work with some of the most sought after IT companies as a HTML 5 developer.

### Tasks you will be able to perform

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- Build HTML5 forms
- Local Storage
- HTML5 mobile apps

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### Our HTML5 faculty work in the Web Development industry & possess following skills

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- Minimum 4 yr exp in PHP, MYSQL, HTML5, jquery, javascript
- Developing Cross-browser compatibility solution for iOS, Android and Windows based tablets & smart phones (iPad / iPhone, Android, Windows PCs, Linux, and Mac etc.)
- Hands on experience in using JQuery Mobile Framework, Phonegap etc..
- Knowledge of Mobile UI and JSON
- Excellent exposure of responsive web design.
- Experience using JavaScript frameworks including backbone and jQuery
- Experience designing and building Web Applications for both desktop and mobile platforms

## Other courses



JavaScript



Microsoft  
**ASP.net MVC 4**



Microsoft  
**.NET  
WPF**

Google



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## Contact Us

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