

# HTML-5



## CURRICULUM

### » **Module1.** **Vision And Future Of HTML5**

- What Is HTML5? History of HTML5
- Philosophy of HTML5
- Future Of HTML5

### » **Module2.** **Getting Started With HTML5**

- Browser Support
- Features Detection
- Support For Legacy Browsers
- Graceful Degradation
- Emulation of HTML5
- Developer Tools in HTML5

### » **Module3.** **Structure Of A Web Page**

- HTML5 DOCTYPE
- Page Encoding
- Markup
- Updated Elements
- New Structural Elements
- New Attributes in HTML5
- Elements And Attributes
- HTML5 And CSS3

### » **Module4.** **HTML5 Forms**

- The Needs For Web Applications in Changing Time?
- Current Available Solutions
- New Input Types
- Attributes of HTML5
- Form Validation
- Browser compatibilities

### » **Module5.** **Audio/ Video**

- The State of Web Audio/ Video on Plugins
- The State Of A/V
- HTML5 Audio/Video Markup
- Attributes And Methods
- Audio/Video Events
- Customizing A/V Controls

### » **Module6.** **HTML5 Canvas** **Canvas Vs. SVG Accessibility**

- Using A Canvas
- Context And Coordinates
- Drawing Shapes
- Working With Paths
- Drawing Straight Lines, Circles and Arcs
- Drawing Text
- Drawing Images and working with pixels
- Transforms controls
- Translation, Rotation and Scaling

### » **Module7.** **Data Storage in HTML5**

- Problems With The Existing Cookie-based Model
- New Storage Options
- Web Storage and SQL Storage

### » **Module8.** **Offline Applications**

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

» **Module9.**  
**HTML5 Geolocation**

- Geolocation
- Privacy concerns
- Two Main Methods and position objects
- Handling Errors
- The Position Options Object

» **Module10.**  
**HTML5 Web Workers**

- The existing JavaScript Execution Model
- Web Workers
- Usage Of Web Workers
- Communication APIs
- Handling Errors
- Browser Support

» **Module11.**  
**HTML5 Messaging APIs**

- Cross-document Messaging
- The Origin Concept
- Cross-document XMLHttpRequest
- Progress Events
- Server-sent Event
- Browser Support

» **Module12.**  
**Web Sockets**

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

Partners :



**Java**



development | consultancy | training

**E-mail: [info@ducatindia.com](mailto:info@ducatindia.com)**

**Visit us: [www.ducatinidia.com](http://www.ducatinidia.com)**

**[www.facebook.com/ducateducation](http://www.facebook.com/ducateducation)**

**NOIDA**

A-43 & A-52, Sector-16,  
Noida - 201301, (U.P.) INDIA  
Ph. : 0120-4646464  
Mb. : 09871055180

**GURGAON**

1808/2, 2nd floor old DLF,  
Near Honda Showroom,  
Sec.-14, Gurgaon (Haryana)  
Ph. : 0124-4219095-96-97-98  
Mb. : 09873477222-333

**GREATER NOIDA**

F 205 Neelkanth Plaza Alpha 1  
commercial Belt Opposite to Alpha  
Metro Station Greater Noida  
Ph. : 0120-4345190-91-92 to 97  
Mb. : 09899909738, 09899913475

**GHAZIABAD**

1, Anand Industrial Estate,  
Near ITS College, Mohan Nagar,  
Ghaziabad (U.P.)  
Ph.: 0120-4835400...98-99  
Mb. : 09810831363 / 9818106660  
: 08802288258 - 59-60

**FARIDABAD**

SCO-32, 1st Floor, Sec.-16,  
Faridabad (HARYANA)  
Ph. : 0129-4150605-09  
Mb. : 09811612707