# HTML5 Syllabus

## HTML5 Introduction

- HTML5 HISTORY
- New Features and groups
- Backward Compatibility
- Why HTML5?
- Power of HTML5:
- m or mobi or touch domains
- Common Terms in HTML5

## HTML5 Syntax

- The DOCTYPE:
- Character Encoding:

## Obsolete Elements/Deprecated Elements

- <acronym>
- <applet>
- <basefont>
- <big>
- <center>
- <dir>
- <font>
- <frame>
- <frameset>
- <isindex>
- <noframes>
- <s>
- <strike>
- <tt>
- <u>
- <xmp>

## HTML5 New Elements

- New Semantic/Structural Elements

- <article>
- <aside>
- <bdi>
- <command>
- <details>
- <dialog>
- <summary>
- <figure>
- <figcaption>
- <footer>
- <header>
- <mark>
- <meter>
- <nav>
- <progress>
- <ruby>
- <rt>
- <rp>
- <section>
- <time>
- <wbr>

## HTML5 Canvas

- What is Canvas?
- Create a Canvas
- Canvas Coordinates
- Canvas – Paths
- Canvas – Text
- Canvas – Gradients
- Canvas – Images

## HTML5 SVG

- What is SVG?
- SVG Advantages
- Differences Between SVG and Canvas
- Comparison of Canvas and SVG

## HTML5 Drag/Drop

- Introduction
- Make an Element Draggable
- What to Drag?Where to Drop?

## HTML5 Geo location

- Introduction
- Locate the User's Position+
- Handling Errors and Rejections
- The getCurrentPosition()
- Geolocation object

## HTML5 Video

- Introduction
- Video on the Web
- How It Works?
- Video Formats and Browser Support
- HTML5 Video Tags

## HTML5 Audio

- Introduction
- Audio on the Web
- How It Works?
- Audio Formats and Browser Support
- HTML5 Audio Tags

## HTML5 Input Types

- Introduction
- color
- date
- datetime
- datetime-local
- email
- month
- number

- range
- search
- tel
- time
- url
- week

## HTML5 Form Elements

- <datalist>
- <keygen>
- <output>

## HTML5 Form Attributes

- New attributes for <form> and <input>New attributes for <form>:
- autocomplete
- novalidate

## New attributes for <input>

- autocomplete
- autofocus
- form, formaction
- formenctype,formmethod
- formnovalidate
- formtarget
- height and width
- list, min and max
- multiple
- pattern (regexp)
- placeholder
- required, step

## HTML5 Semantic

- Introduction
- What are Semantic Elements?

- non-semantic elements: <div> and <span>
- semantic elements: <form>, <table>, and <img>
- New Semantic Elements in HTML5
- <header>
- <nav>
- <section>
- <article>
- <aside>
- <figcaption>
- <figure>
- <footer>