**Frontend**

**Curriculum for Week 1 and 2**

***Basics***

**Day-1**

* HTML/HTML5 Basics and CSS/CSS3 Basics
  1. HTML
     1. Semantics Overview
     2. Block level and inline elements
     3. Building Structure
     4. Creating Hyperlinks
  2. CSS
     1. Calculating Specificity
     2. Combining Selectors
     3. Styles with Multiple Classes
* Box Model
  1. HTML
     1. Developer Tools
  2. CSS
     1. Displaying elements
     2. Box Model
* Positioning Content
  1. Floats, Positions, Display,
  2. Reusable layouts

**Day-2**

* Working with Typography/ Text formatting
  1. HTML
     1. Citations and Quotes
  2. CSS
     1. Color, Fonts, Text Properties
     2. Web safe and Embedding Fonts
* Setting Backgrounds & Gradients
* Creating Lists
  + 1. List Types HTML
    2. Styling of Lists

**Day-3**

* Media
* Building Forms and Tables
* Javascript Basics
  1. Data types
  2. Looping – for, while, do while
  3. If else and switch cases

***Advanced***

**Day-4**

* Performance optimization
* HTML5 API’s
* Complex Selectors
  1. Common, Child, Sibling Selectors and Attribute Selectors
  2. Pseudo selectors and elements

**Day-5**

* Responsive Web Design
  1. Responsive overview
  2. Viewport
  3. Flexible Layouts
  4. Flex box
  5. Media Queries
  6. Mobile-First/Bootstrap
  7. Flexible media
* Preprocessors
  1. SASS/Less

**Day-6**

* jQuery
  1. intro
  2. selectors
  3. Traversing, Manipulation, Events, Effects
* Transforms-CSS3
  1. Transform Syntax
  2. 2D/3D Transforms

**Day-7**

* Transitions & Animations
  1. Transitions
  2. Shorthand Transitions
  3. Animations
  4. Customizing Animations
* Extending Semantics & Accessibility
  1. Semantic Motivation
  2. Structural Semantics
  3. Text Level Semantics
  4. Microdata, WAI-ARIA