* Prerequisites:

1. Age 18+
2. Education: Minimum K12
3. Candidate must have digital literacy.

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| **Module/workshop** | **Details** |
| **MODULE 01 ( HTML )** | |
| Class 01 | HTML intro, web page and website, IDE, Browser, Google Classroom, references |
| Class 02 | Doctypes, html, head, title, body, p, em, strong, b, i, u, ul, li, ol tags |
| Class 03 | dl, dt, dd, h1-h6, blockquote, q, cite tags |
| Class 04 | a tag, URL Structure, Relative link practice,HTML Forms |
| Class 05 | base, table, tr, td, th, thead, tbody, tfoot, caption tags |
| Class 06 | img tag, Image maps, video, audio, iframe tags, Embedding YouTube videos etc. |
| Class 07 | br, address, hr tags, HTML entities, code, kbd, samp, var, pre, sub, sup tags |
| Class 08 | article, aside, header, footer, section, nav, small, del, ins, s, mark tags, HTML comments, figure, figcaption, details, summary, progress, abbr tags |
| **MODULE 02 ( CSS )** | |
| Class 09 | CSS intro, color, text-decoration, font family, margin, width properties, tag selector, Grouping selectors with commas |
| Class 10 | background-color, background, text-align properties, div, span tags, id, and class selectors |
| Class 11 | nth-child pseudo selector, descendant selector, first-of-type pseudo selector |
| Class 12 | font-weight, border properties, CSS units, list-style, min-width, max-width properties |
| Class 13 | float, clear properties, Basic layout using floats, |
| Class 14 | link, visited, hover, active pseudo selectors, font-size, display, visibility, padding, cursor, line-height properties, style tag vs External stylesheets vs inline styles |
| Class 15 | position, z-index, overflow properties, Vertical alignment and its issues |
| Class 16 | Multiple background images, word-wrap property, border-radius, text-shadow, box-shadow, border-image, transform properties |
| Class 17 | CSS3 transitions, CSS3 animations |
| Class 19 | Basic media queries and concept of responsive CSS, box-sizing property, web fonts |
| Class 20 | CSS3 gradients, CSS3 Columns |
| Class 21 | Other selectors, Specificity, CSS outro |
| Assignment 2: | Building upon the code from assignment 1, add (at least 5) more pages covering the various CSS topics that we have studied. The pages should contain example CSS (and corresponding HTML) code and the corresponding output. Put the HTML and CSS topic pages in separate directories and create a main “home” page outside of those directories. Use CSS to layout and format all pages (including the previously created ones). There should be a way to navigate between all the pages. |
| **MODULE 03 ( Javascript )** | |
| Class 22 | JavaScript intro, Expressions, data types, values, and alert |
| Class 23 | Variables and prompt, Operators |
| Class 24 | Conditions |
| Class 25 | Loops |
| Class 26 | Functions, Recursion |
| Class 27 | Arrays |
| Class 28 | Objects ({}), JSON |
| Class 29 | DOM manipulation, Style changes using JavaScript |
| Class 30 | Event handling, Console, and intro to dev tools |
| **MODULE 04 ( jQuery )** | |
| Class 31 | jQuery intro, DOM and CSS manipulation with jQuery, Event handling with jQuery |
| Class 32 | data-\* attributes and usage with jQuery, jQuery animations, jQuery selectors, traversing and filtering |
| Class 33 | Form controls in HTML, Form client-side events, and usage with jQuery |
| Class 34 | Form validation |
| Class 35 | Data-driven dependent dropdowns with JSON and jQuery |
| Class 36 | jQuery UI |
| Final Project |  |