15 Sessions. 2 h/s

- S1 (Intro to Front-End Web Development)
  - What's Web, Internet and www
  - What's a website ?
  - What's a browser ? What are its main tasks ?
  - What is HTML ? How does it get transformed into a website ?
  - What is CSS ?
  - Browser engines to draw HTML/CSS code
  - What's JS ? Engine to understand it in the browser ?
  - Github

Task 1 Download the VS code and the Extinations and create a github account

- S2 (HTML)
  - Basics and how to run an HTML page
  - HTML Tag
  - Important tags
  - Attributes

Task 2 Make a simple About me website

- S3 (CSS - I)
  - Where to write the CSS code
    - Inline
    - Internal
    - External
  - Basic CSS Rules Syntax
  - Background
  - Multiple background
  - Color
  - Opacity
  - CSS gradients
  - Text Styling
    - Font size
    - Font Family
    - Text decoration
    - Font weight
    - Text transaction
    - Text color
    - Styling links
    - Letter spacing & line height
    - Paragraph spacing

Task 3 Style Task 2

- S4 (CSS - II)
  - CSS Selectors
    - Targeting element by id or by classes (CSS Selectors)
    - CSS conflicts
    - Selector Specificity
    - Targeting multiple elements
    - Descendant Selectors
    - Adjacent Selectors
    - Attribute Selectors
    - Hover, Active , visited effects (pseudo-class)
    - First, last and Nth child selectors
    - Universal selector
  - Box model
    - Padding
    - Margin
    - Borders
    - Block level element
    - Width and height
    - Rounded corners
    - Box shadow
    - Positions

Task 4 Start to make A responsive website about any idea u have

- S5 (CSS - III)
  - Flex box
  - CSS var
  - Animation
  - BootStrap

Task 5 Add some animation to your website

- S6 (JS - I)
  - Hello world
  - Where to put the js
  - Google dev tools
  - Basic syntax
  - Js vars
  - Basic math operations
  - Logging to console
  - Boolens
  - If & if else
  - Comparing operation
  - Logical operation
  - While loop
  - For loop
  - Break and continue

- S7 (JS - II)
  - Functions
  - Var scoops
  - Numbers
  - NAN
  - Strings
  - Slice and Split string
  - Array

Task 6 Start to make the Calculator

- S8 (JS - III)
  - Intro to objects
  - Creating new js object
  - This keyword
  - constructor functions
  - The data objects

- S9 (JS - IV) (important)
  - Arrow functions
  - Classes
  - Promises
  - async/await
  - Try..catch..throw
  - Destructuring
  - High-level array functions (map - reduce - filter)

Task 7 Make a timer

- S10 (JS - V)
  - What is the dom
  - Traversing the dom
  - Changing the page content
  - Changing element attributes
  - Add element to the Dom
  - Removing element from the dom

- S11 (JS - VI)
  - Versions of JS and Browser support
  - Transpiling Modern JS code using babel
  - Bundling Multiple JS files using Webpack

- S12 (JS - VII)
  - Introduction to package management
  - NPM
    - Initializing npm project
    - package.json
    - Npm packages
    - require and import

- S13(JS)
  - Make a Form website from scratch
- S14 (JS - VIII)
  - Any question about the final project
  - Project Responsive Portfolio website
    - Animations
    - Dark mode
    - Form page
    - Welcome page
    - Projects page
    - Skills page
    - Contact me page
    - Local storage for the dark mode