

# Responsive Web Design with Bootstrap

## COURSE MODULE

PART	CONTENT	Modules
01	HTML	10
02	CSS	10
03	Bootstrap	5
04	JS	8
05	Project	7



বর্ণমালা আইটি ফার্ম



# Responsive Web Design



## COURSE MODULE

### Module 1

- What is Website & Webpage?
- File Extension
- Types of websites

### Module 2

- Types of website structure
- How sites are created.
- What is browser?
- Local browser vs web browser

### Module 3

- What is HTML?
- How HTML is required for Web Design
- Create a website with hello world
- How to run a website development

### Module 4

- Introducing code editor (vs code)
- Vs code extension (live server, ...)
- HTML Basic Markup
- Container tag vs empty tag
- What is attribute?

### Module 5

- Introducing W3schools
- Formatting Tags (b, i, u, del, sub, sup, strong, small, mark, pre, progress, code, meter, marquee)

### Module 6

- Relative path vs Absolute path
- img tag & src attribute
- audio & video tag
- anchor tag

### Module 7

- Make a list using ol, ul, li
- Make a table using (table, thead, tbody, tfoot, tr, th, td)
- How to embed another page

### Module 8

- Types of input field
- Introduction of HTML Form
- button, textarea, select, option, optgroup, label tag in form

### Module 9

- Types of input field
- Introduction of HTML Form
- Others used in form (button, textarea, select, option, optgroup, label)

### Module 10

- Create a website using table, list, form, media (audio, video, img) and texts.



# Responsive Web Design



## COURSE MODULE

### Module 11

- What is CSS?
- style tag
- Div, section, header, footer, main, aside, span

### Module 12

- CSS Types (inline, internal, external)
- How to select elements in CSS
- Power list of CSS Selectors (using Id, class, Tag name etc.)

### Module 13

- CSS Font
- CSS Height & Width
- CSS Border
- CSS Outline

### Module 14

- CSS Margin
- CSS Padding
- CSS Background
- CSS Text

### Module 15

- CSS Display
- CSS Flex
- CSS Grid

### Module 16

- CSS Float
- CSS Position
- CSS Overflow
- CSS Z-index

### Module 17

- CSS Combinator (space, >, +, ~)
- CSS Pseudo-class (hover, active, visited, focus)
- CSS functions (calc, min, max)

### Module 18

- CSS Transform
- CSS Opacity
- CSS Transition
- CSS Animation

### Module 19

- CSS Media Query
- CSS Icon (font-awesome)
- CSS Web fonts (google fonts & Custom fonts)

### Module 20

- Create a template using HTML & CSS including uses of (Animation, Flex, Position, Font, Icon, Background, Gap, Border etc)



# Responsive Web Design



## COURSE MODULE

### Module 21

- What is CSS Framework?
- Bootstrap Integration
- Bootstrap Text color & Background color

### Module 22

- Bootstrap Table
- Bootstrap Form (Input Field, Button, Range, Floating Label, Checks & Radios)

### Module 23

- Bootstrap Components (Accordions, Alert, Badge, Card, Carousel, Dropdown, Navbar, Toast, Progress)

### Module 24

- Bootstrap Layout
- Bootstrap Container
- Bootstrap Column
- Bootstrap Grid

### Module 25

- Bootstrap Breakpoints
- Create a responsive template using HTML, CSS & Bootstrap.

### Module 26

- JavaScript Programming Language
- Where to write
- 4 ways of JavaScript Output
- Some Rules of JS Statement

### Module 27

- JS Variable (var, let, const)
- JS Operator (assignment, arithmetic, comparison)
- JS Data types (Number, String, Boolean)

### Module 28

- JS Type Conversion
- JS Array
- JS Object
- JS if else if else

### Module 29

- JS Loop (for, while)
- JS Function
- JS Random

### Module 30

- What is JS DOM
- How to select Elements in JS
- JS Interaction (alert, prompt, confirm)



# Responsive Web Design



## COURSE MODULE

### Module 31

- DOM Document Object
- Window Object
- Changing HTML elements (innerHTML, setAttribute, classList, style)

### Module 32

- Adding Elements (createElement, appendChild, write)
- Replace Elements (replaceChild)
- Remove Elements (removeChild)

### Module 33

- DOM HTML Events
- DOM Event Listener
- DOM HTML Collection & Node List

### Module 34

- Project Setup Concept
- Github Account Setup
- Github Command
- Faster Development Tips (Extensions)

### Module 35

- Ecommerce Mega Menu
- Home Page Slider (Swiper)

### Module 36

- Section Design Day - 01
- Flex Box with Bootstrap (Responsive)

### Module 37

- Section Design Day - 02
- Grid Box with Bootstrap (Responsive)

### Module 38

- Import Bootstrap Component
- JavaScript Library uses
- Web Animation (animate, gsap, aos etc)

### Module 39

- Multiple Page Design
- Form Design & Popup and Video embed
- Footer Design

### Module 40

- How to find information and solve issue
- Domain & Hosting Process (Free Hosting)