

Web Design Syllabus

Mockup Designing [PS/Figma]

- ✓ Basic Fundamentals of Photoshop
- ✓ Learning Essentials tools for web design
- ✓ Create Dimension and size of the website page design
- ✓ Wireframe Concept Design
- ✓ Psychology of Color on Web
- ✓ Typography, Heading & Paragraph Option
- ✓ Using shapes and effects for Mockup Design
- ✓ Designing various elements for Web/Mobile
- ✓ Mastering elements using different options
- ✓ Using some important extensions for Web/Mobile design
- ✓ Creating GIF Image
- ✓ Project Work (Designing Mockup)

HTML5

- ✓ HTML Elements
- ✓ HTML Attributes
- ✓ HTML Headings
- ✓ Block Elements
 - <p>, <h1>, <h2>, <h3>, <h4>, <h5>, <h6>, , , <dl>, <pre>, <hr />, <blockquote>, and <address>
- ✓ Inline Elements
 - , <i>, <u>, , , <sup>, <sub>, <big>, <small>, , <ins>, , <code>, <cite>, <dfn>, <kbd>, and <var>

✓ HTML Text Formatting

- - Bold text
- - Important text
- <i> - Italic text
- - Emphasized text
- <mark> - Marked text
- <small> - Smaller text
- - Deleted text
- <ins> - Inserted text
- <sub> - Subscript text
- <sup> - Superscript text

✓ HTML Comments

✓ HTML Images

✓ HTML Anchor

- Text Links
- Email Links
- Image Links
- Phone Links

✓ HTML Lists

- Ordered HTML
- Unordered HTML
- Definition Lists

✓ HTML tables

✓ HTML Forms

✓ HTML Meta Tags

- keywords
- description

- author
- revised
- charset
- refresh
- robots
- ✓ HTML iframes
- ✓ HTML Entities
- ✓ HTML Symbols
- ✓ HTML5 Audio & Video
- ✓ HTML5 Web Storage
- ✓ HTML5 Canvas
- ✓ HTML5 SVG
- ✓ HTML5 Drag & drop
- ✓ HTML5 Geolocation
- ✓ HTML5 Semantics

CSS

- ✓ CSS Introduction
- ✓ CSS Syntax
- ✓ Inline CSS
- ✓ Internal CSS
- ✓ External CSS
- ✓ CSS Selector
- ✓ CSS Comments
- ✓ CSS Background
- ✓ CSS Border
- ✓ CSS Outline
- ✓ CSS Float

- ✓ CSS Clear
- ✓ CSS Display
- ✓ CSS Font
- ✓ CSS Line Height
- ✓ CSS Margin
- ✓ CSS Padding
- ✓ CSS Overflow
- ✓ CSS Opacity
- ✓ CSS Position
- ✓ CSS Pseudo Class & Element
- ✓ CSS Vertical Align
- ✓ CSS White Space
- ✓ CSS Word Wrap
- ✓ CSS Outline
- ✓ CSS Visibility
- ✓ CSS Counter

CSS3

- ✓ CSS3 Rounded Corner
- ✓ CSS3 Border Images
- ✓ CSS3 Multi Background
- ✓ CSS3 Color
- ✓ CSS3 Gradients
- ✓ CSS3 Shadow
- ✓ CSS3 Text
- ✓ CSS3 Web font

- ✓ CSS3 2d transform
- ✓ CSS3 3d transform
- ✓ CSS3 Animation
- ✓ CSS3 Multi columns
- ✓ CSS3 User Interface
- ✓ CSS3 Box Sizing
- ✓ CSS Variables
- ✓ CSS3 Image Reflection
- ✓ CSS3 object-fit
- ✓ CSS3 Viewport
- ✓ CSS3 Media Queries Responsive

CSS Flexbox

- ✓ flex-direction
- ✓ flex-wrap
- ✓ flex-flow
- ✓ justify-content
- ✓ align-items
- ✓ align-content
- ✓ order
- ✓ flex-grow
- ✓ flex-shrink
- ✓ flex-basis
- ✓ flex
- ✓ align-self

CSS Grid Module

- ✓ grid-column-gap
- ✓ grid-row-gap
- ✓ grid-gap
- ✓ grid-template-columns
- ✓ grid-template-rows
- ✓ grid-template-areas
- ✓ grid-column-start
- ✓ grid-column-end
- ✓ grid-row-start
- ✓ grid-row-end
- ✓ justify-items
- ✓ align-items
- ✓ align-content

Sass / SCSS

- ✓ Preprocessing
- ✓ Variables
- ✓ Nesting
- ✓ Partials
- ✓ Import
- ✓ Mixins
- ✓ Inheritance
- ✓ Operators

Note: Once the above topics are covered, the students will make a project on:
[News Portal Website](#)

JavaScript

- ✓ Data Types
 - ✓ Variables and Constant
 - ✓ Operators
 - ✓ Conditionals, loop
 - ✓ Functions
 - ✓ Array and Objects
 - ✓ Document Object Model
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jQuery

- ✓ jQuery Syntax
 - ✓ jQuery Selectors
 - ✓ jQuery Events
 - ✓ jQuery Effects
 - ✓ jQuery Hide/Show
 - ✓ jQuery Fade
 - ✓ jQuery Slide
 - ✓ jQuery Add
 - ✓ jQuery Remove
 - ✓ jQuery CSS Classes
 - ✓ jQuery Animate
 - ✓ jQuery stop()
 - ✓ jQuery Callback
 - ✓ jQuery Chaining
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Bootstrap 4

- ✓ Content
- ✓ Reboot
- ✓ Typography
- ✓ Code
- ✓ Images
- ✓ Tables
- ✓ Figures
- ✓ Components
- ✓ Alerts
- ✓ Badge
- ✓ Breadcrumb
- ✓ Buttons
- ✓ Button group
- ✓ Card
- ✓ Carousel
- ✓ Collapse
- ✓ Dropdowns
- ✓ Forms
- ✓ Input group
- ✓ Jumbotron
- ✓ List group
- ✓ Modal
- ✓ Navs
- ✓ Navbar
- ✓ Pagination
- ✓ Popovers

- ✓ Progress
- ✓ Scrollspy
- ✓ Tooltips
- ✓ Utilities
- ✓ Utilities
- ✓ Utilities
- ✓ Borders
- ✓ Clearfix
- ✓ Close icon
- ✓ Colors
- ✓ Display
- ✓ Embed
- ✓ Flex
- ✓ Float
- ✓ Image replacement
- ✓ Position
- ✓ Screenreaders
- ✓ Shadows
- ✓ Sizing
- ✓ Spacing
- ✓ Text
- ✓ Vertical align
- ✓ Visibility

Once the above topics are covered, the students will make a project on:
[Travel & Tours Website](#)

Bootstrap 5

- ✓ Breakpoints
- ✓ Containers
- ✓ Grid
- ✓ Columns
- ✓ Gutters
- ✓ Utilities
- ✓ Z-index
- ✓ Reboot
- ✓ Typography
- ✓ Images
- ✓ Tables
- ✓ Figures
- ✓ Overview
- ✓ Form control
- ✓ Select
- ✓ Checks & radios
- ✓ Range
- ✓ Input group
- ✓ Floating labels
- ✓ Layout
- ✓ Validation
- ✓ Accordion
- ✓ Alerts
- ✓ Badge
- ✓ Breadcrumb
- ✓ Buttons

- ✓ Button group
- ✓ Card
- ✓ Carousel
- ✓ Close button
- ✓ Collapse
- ✓ Dropdowns
- ✓ List group
- ✓ Modal
- ✓ Navs & tabs
- ✓ Navbar
- ✓ Offcanvas
- ✓ Pagination
- ✓ Popovers
- ✓ Progress
- ✓ Scrollspy
- ✓ Spinners
- ✓ Toasts
- ✓ Tooltips
- ✓ Clearfix
- ✓ Colored links
- ✓ Ratio
- ✓ Position
- ✓ Visually hidden
- ✓ Stretched link
- ✓ Text truncation
- ✓ API
- ✓ Background

- ✓ Borders
- ✓ Colors
- ✓ Display
- ✓ Flex
- ✓ Float
- ✓ Interactions
- ✓ Overflow
- ✓ Position
- ✓ Shadows
- ✓ Sizing
- ✓ Spacing
- ✓ Text
- ✓ Vertical align
- ✓ Visibility
- ✓ Approach
- ✓ Icons

Once the above topics are covered, the students will make a project on:
[Corporate Website](#)

React

- ✓ React Get Started
- ✓ React ES6
- ✓ React Render HTML
- ✓ React JSX
- ✓ React Components
- ✓ React Props

- ✓ React State
- ✓ React Lifecycle
- ✓ React Events
- ✓ React router
- ✓ React Lifting State Up
- ✓ React Forms
- ✓ React CSS
- ✓ React Hook

Once the above topics are covered, the students will make a project on:
[Portfolio Website](#)

Domain Registration / Web Hosting

- ✓ Domain Registration
- ✓ Web Hosting
- ✓ GitHub
- ✓ Tips for a job interview

As per the Institute Rules, four of the following projects will be done by the student themselves! For Final Project

[Admin Dashboard](#)

[Travel & Tours Website](#)

[E-commerce Website](#)

[Corporate Website](#)

[News Portal Website](#)