

WEB DEVELOPMENT (BEGINNER)

Set forth on the path to becoming a web developer with this comprehensive program.

It introduces the pillars of web development, including HTML, CSS, and JavaScript, to craft interactive and dynamic web pages.



CORE FEATURES

- **Fundamentals of Web Structure:** Introduces HTML, CSS and JS for making webpages, websites and webapps.
- **30 Sessions, 30+ Quizzes, Activities and Projects.**

CONCEPTS COVERED

HTML Fundamentals:

- Page Structure Tags
- Semantic Tags
- Text Formatting
- Link and Navigation Tags
- Media Tags
- Tables and Lists
- Forms and Buttons

JavaScript Programming:

- Basic Syntax
- Arithmetic and Logical Operators
- Conditional Statements
- Loops
- Functions
- Event Handling
- Strings and Date Objects
- Implementing Randomization

CSS Concepts

- Property-Value Pairs
- Color Styling with Hex Codes
- Box Model and Layout Techniques
- Responsive Design Fundamentals

Core Web Techniques:

- Debugging JavaScript Code
- Connecting to External APIs
- Front-End Web Development Best Practices

PROJECT SHOWCASE



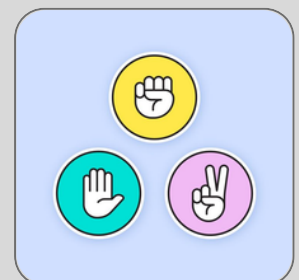
Simple Website



To-do List App



Lap Timer App



Simple Games

WEB DEVELOPMENT (ADVANCED)

Navigate through the advanced details of web technology where the students elevate their coding skills, learning to craft sophisticated web applications using HTML, CSS, and JavaScript.



CORE FEATURES

- **JavaScript Animation:** Learn fundamentals for drawing and animation with p5.js library of JavaScript.
- **30 Sessions, 30+ Quizzes, Activities and Projects.**

CONCEPTS COVERED

HTML Advanced Structures:

- Semantic HTML5 Elements
- Form Handling
- Input Validation
- Advanced Navigation Links
- Interactive Media Elements
- Data Tables
- Grid Layouts
- Custom Data Attributes

CSS Design Techniques:

- Advanced Selectors
- Pseudo-Elements
- Cross-Browser Compatibility

Interactive Web Applications:

- Dynamic Content Creation
- User Interface
- State Management
- Single Page Application (SPA)
- Real-Time Data Updates

Advanced p5.js Techniques:

- Animation Basics
- Real-Time Rendering
- Interactive Visualizations
- Drawing and Simulations
- Event Handling with Mouse and Keyboard
- Audio and Video Integration

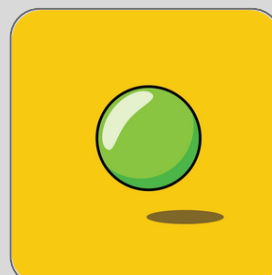
PROJECT SHOWCASE



Cafe Counter



Weather Forecast



Animating Shapes



Constellations