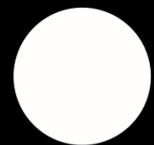




# Web Development



## OUR MISSION :

**"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."**

## OUR VALUES :

**"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."**



# COURSE CURRICULUM:

## Week 1: Introduction to Web Development

- Day 1-2: Overview of Web Development
  - Understanding web technologies and protocols (HTTP, HTTPS)
  - Client-server architecture
  - Introduction to front-end and back-end development
- Day 3-4: HTML Basics
  - Structure of an HTML document
  - Common HTML tags and attributes
  - Creating basic web pages
- Day 5: CSS Basics
  - CSS syntax and selectors
  - Styling web pages
  - Box model and layout techniques

# COURSE CURRICULUM:

## Week 2: Advanced HTML and CSS

- Day 6-7: Advanced HTML
  - Forms and form validation
  - Semantic HTML5 elements
- Day 8-9: Advanced CSS
  - Flexbox and Grid layout
  - Responsive design principles
  - Media queries
- Day 10: CSS Frameworks
  - Introduction to Bootstrap or Tailwind CSS
  - Using frameworks to create responsive layouts

# COURSE CURRICULUM:

## Week 3: JavaScript Basics

- Day 11-12: JavaScript Fundamentals
  - Variables, data types, and operators
  - Control structures: if, for, while
  - Functions and scope
- Day 13-14: DOM Manipulation
  - Understanding the Document Object Model (DOM)
  - Selecting and modifying DOM elements
  - Event handling
- Day 15: Introduction to ES6
  - ES6 syntax: let, const, arrow functions
  - Template literals and destructuring

# COURSE CURRICULUM:

## Week 4: Advanced JavaScript

- Day 16-17: Advanced JavaScript Concepts
  - Closures and higher-order functions
  - Asynchronous JavaScript: Promises, async/await
- Day 18-19: Working with APIs
  - Fetch API and AJAX
  - Consuming RESTful APIs
- Day 20: JavaScript Frameworks and Libraries
  - Introduction to jQuery
  - Basics of a front-end framework like React, Vue, or Angular

# COURSE CURRICULUM:

## Week 5: Back-End Development Basics

- Day 21-22: Introduction to Back-End Development
  - Overview of server-side programming
  - Introduction to Node.js
- Day 23-24: Express.js
  - Setting up an Express server
  - Routing and middleware
- Day 25: Working with Databases
  - Introduction to SQL and NoSQL databases
  - CRUD operations with a database (e.g., MongoDB or PostgreSQL)

# COURSE CURRICULUM:

## Week 6: Full-Stack Development

- Day 26-27: Connecting Front-End and Back-End
  - Building RESTful APIs with Express
  - Fetching and displaying data in the front-end
- Day 28-29: Authentication and Authorization
  - User authentication with JWT or OAuth
  - Implementing login and registration functionality
- Day 30: Deployment and Hosting
  - Deploying applications on platforms like Heroku, Vercel, or Netlify
  - Version control with Git and GitHub

# COURSE CURRICULUM:

## Week 7: Project Work and Advanced Topics

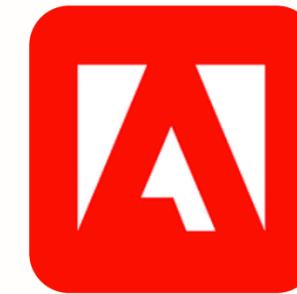
- Day 31-33: Project Planning and Setup
  - Define project goals and requirements
  - Set up the project repository and environment
- Day 34-36: Development and Implementation
  - Implement core features and functionality
  - Regular check-ins and code reviews
- Day 37: Advanced Topics
  - Web security basics
  - Performance optimization techniques

# COURSE CURRICULUM:

## Week 8: Finalizing Project and Presentation

- Day 38-40: Testing and Debugging
  - Writing and running tests
  - Debugging techniques and tools
- Day 41-42: Final Project Refinement
  - Finalize features and fix any issues
  - Optimize the application for performance and usability
- Day 43-44: Project Documentation and Report Writing
  - Document project architecture, features, and codebase
  - Write a comprehensive project report
- Day 45: Final Presentation and Feedback
  - Present the project to peers/mentors
  - Receive feedback and discuss improvements

# Our Partners Company's



The logo consists of the letters 'TS' in a large, bold, black, sans-serif font. The letters are contained within a white circular shape that has a slight 3D effect, appearing to be a sticker or a piece of paper with a shadow on the right side. The background of the entire image is a dark, semi-transparent overlay of a group of people in a meeting, looking at a laptop screen.

**TECH TEACH**  
EDUCATIONALSOLUTIONS

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