



Web Designing & Development

***"DESIGN DREAMS, DEVELOP THE WEB OF
TOMORROW"***

SYLLABUS

Version: 1.0

About Apponix Academy

- ✦ Apponix Academy is a leading training institute offering both online and offline courses in trending technologies like Cloud Computing, DevOps, Cyber Security, Full Stack Development, Data Science, Digital Marketing, and more.
- ✦ Established in 2013, Apponix has trained over 50,000 students across India and abroad, helping them build successful careers in the tech industry.
- ✦ With centers in Bangalore, Pune, Mumbai, Hubli, Aurangabad, Tumkur, Trichy, Gwalior, Ranchi, and more, Apponix continues to expand rapidly across the country.
- ✦ All our courses are designed to be job-oriented, practical, and aligned with real-world industry requirements.
- ✦ Our training is delivered by 100+ highly experienced corporate trainers who are experts in their respective fields.
- ✦ We offer flexible learning options, allowing students to choose between classroom sessions and live online classes.
- ✦ Apponix is ISO certified and provides globally recognized certifications from AWS, Microsoft, and Google.
- ✦ Over 3,000+ Apponix alumni are successfully placed in top MNCs with salaries above ₹15 LPA.
- ✦ Our focus is on 100% hands-on learning, project-based assignments, and real-time case studies.
- ✦ We provide complete career support including resume building, interview preparation, and placement assistance.
- ✦ With a strong presence and proven track record, Apponix Academy continues to be a trusted name in professional IT training.



COURSE KEY FEATUERS



Delivered by Industry Experts



Designated Placement Advisor



Placement assistance will be provided



Interview Grooming Sessions



Classroom & Online Training



Job Assistance



Delivered by Industry Experts



Weekdays & Weekend Classes



Interview Preparation Session



Industry Relevant Syllabus



Awards & Accreditations



IABAC Authorized Partner



JAINx University Partner



ISO Certified



VMWARE Authorized Partner



**Most Promising
Training Institute**



MSME Certified

Sample Certificate



WEB DESIGN AND DEVELOPMENT

1. Foundations of HTML : Building Blocks for Web Development

- HTML Introduction
- Basic HTML Structure
- HTML Editors Overview
- Understanding HTML Tags
- Text Elements: Paragraphs, Headings, and Text
- Formatting Text in HTML
- Creating Lists in HTML
- Add Images to HTML
- Working with HTML Tables
- Implementing HTML Forms
- Incorporating Media in HTML

2.CSS Essentials: From Basics to Responsive Design

- Introduction to CSS and Linking Methods
- Understanding CSS Properties: Key-Value Pairs and Network Tab
- Utilizing Comments, Colors, Backgrounds, and Images
- Text Properties: Font Size, Weight, and Style
- Exploring the Box Model: Padding, Margin, Border, and Main Content with
- Inspect Tab
- Introduction to CSS Positioning
- Manipulating Height, Width, and Selectors
- Implementing Float (Left, Right), Z-Index, and Opacity
- Responsive Design Principles and Media Queries
- Flexbox: A Responsive Design Approach
- Grid Systems for Responsive Design

Projects Covered

- **Project 1: YouTube Gallery (Modified iframe Version):**

Description: Create a custom-styled YouTube gallery using iframes, showcasing videos with personalized design and layout.

- **Project 2: Sign-in Form Styling:**

Description: Enhance the visual appeal and usability of a sign-in form through CSS, focusing on improving aesthetics and user experience.

- **Project 3: Image Gallery Enhancement:**

Description: Transform a basic image gallery into an aesthetically pleasing and user-friendly interface by applying advanced CSS techniques.

3: Project Management

Software Development Life Cycle

- Aligning project management with software development lifecycle

Agile Methodologies:

- Understanding Agile principles and values
- Scrum and other Agile frameworks
- Sprint planning and execution

Waterfall Methodology:

- Overview of the Waterfall model
- Pros and cons of Waterfall vs. Agile

Version Control Systems:

- Introduction to Git and GitHub
- Collaborative coding with version control
- Branching and merging strategies

Task Management Tools:

- Overview of popular task management tools(e.g.,Jira,Trello)
- Creating and managing tasks
- Assigning and tracking progress

4:BootstrapEssentials

- Framework Fundamentals: Bootstrap Introduction
 - Building Bootstrap Templates Offline
 - Responsive Design Basics: Containers, Rows, Columns
 - Creating Navigational Elements: Navbar, Colors, Accordions, Alerts, Badges
 - Utilizing Placeholders, Popovers, Progress Bars, Spinners
 - Practical Application: Project Implementation with Bootstrap
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- **Project1:** Develop Your Company Portfolio Website
 - **Project2:** Build a Mock Flip cart E-commerce Platform

5:Figma–DesignTool

- Introduction to Figma
- Using Figma to create,share & test designs.
- Converting images to HTML templates

6:JavaScript Essentials: Core Concepts and Practical Applications

- Introduction to JavaScript
- Integrating JavaScript into HTML
- Fundamentals of Variables
- Data Types and Operations
- Conditional Statements in JavaScript
- Understanding JavaScript Objects
- Manipulating States and the Document Object Model (DOM)
- Functions and Event Handling
- Exploring JavaScript Arrays

- Synchronous and Asynchronous Programming Concepts
- Commenting in JavaScript Code
- Basics of Loops
- Mastering the Document Object Model (DOM)
- Advanced Concepts: Promises, Async/Await, Fetch, Axios
- Utilizing Spread and Rest Operators
- Deconstructing Arrays and Objects
- Module Management in JavaScript

7:TypeScript Topics

- Introduction to TypeScript
- Simple and Special Types in TypeScript
- Understanding TypeScript Generics
- Exploring TypeScript Interfaces
- Working with Object Types in TypeScript
- Mastering TypeScript Classes

Projects Covered

- **Project 1:** Dynamic Calculator
Create an interactive calculator with basic and advanced arithmetic operations.
- **Project 2:** Stopwatch Application
Build a stopwatch with start, stop, and reset functionality.
- **Project 3:** Digital Clock Implementation
Develop a digital clock displaying hours, minutes, and seconds.
- **Project 4:** Guessing Game Project
Design a game where users guess a randomly generated number within a range.
- **Project 5:** Geolocation Tracker
Develop an app to track and display the user's current location on a map.

8: ReactJS Essentials – Key Concepts and Applications

- Introduction to ReactJS
- Exploring the State of JavaScript Survey
- Building React Web Apps
- Grasping ReactJS Fundamentals
- Utilizing Fragments, Hooks, and React Router DOM
- Learning MUI and Its Setup
- Integrating MUI Tabs
- Managing Props in React
- Creating UI Components for Social Media Sharing

ProjectsCovered:

- **Project1:** Enhancing your company Portfolio website.
- **Project2:** Enhance Fake Flip-Cart ecommerce website.

9: MongoDB Database Essentials

- Database Fundamentals Overview
- MongoDB Installation
- Configuring MongoDB
- CRUD Operations: Create, Read, Update, Delete
- Schema Creation
- Installing MongoDB Compass

10: MySQL Database Essentials

- MySQL DB Fundamentals
- MySQL vs. MongoDB: A Comparative Analysis
- Setting Up MySQL DB: Installation
- Database Configuration
- Database Creation in MySQL
- Table Creation in MySQL
- CRUD Operations in MySQL: Create, Read, Update, Delete

11: MySQL Database Essentials

- Understanding Web Hosting
- Introduction to GitHub
- Repository Management: Creation and Merging
- Collaborative Workflows: Pushing and Pulling Requests

OUR RECENT PLACEMENTS



MR. CHIRANJEEVI
MARS WEB



MR. SYED
TECHNOFIST SOLUTION



Ms. Ranjita
Geek Technologies
UI Developer



MS. SUPRIYA
PARNETS GROUP



MR. MOHAMMED
INDEGENE



MR. LAXMIKANT
DESIGN ESTHETICS



MS. PONNAMMA
AGHREN TECHNOLOGIES
WEB DEVELOPER



MS. SOUMYA CHELAD
BLUNET VENTURES PRIVATE LIMITED
WEB DEVELOPER



Akshya U
ABinBev Growth Analytics Center
Frontend Developer



MS. CHAITRA C SOGALI
BLUNET VENTURES PRIVATE LIMITED
WEB DEVELOPER



MS. SWATHI
BUSINESS ORIENTATION INC
WEB DESIGNER



MR. HIRAKJYOTI DEURI
PLV SOLUTIONS
WEB DEVELOPER

OUR ALUMNI WORKING IN

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Industries Limited

 **CAPMARK™**

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IT SOLUTIONS

 **ORNNOVA**
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