



**TINKERCODERS**  
BEYOND CODING

# WEB **DEVELOPMENT**



## **COURSE** HIGHLIGHTS !

- Live 48 Hours of Sessions
- Detailed coverage HTML/ CSS
- Bootstrap frontend framework for responsive website
- Javascript for front end development
- Error Handling & Debugging
- Object Oriented Programming
- Firebase Realtime Database
- Deploying website on cloud
- **BUILD 4 REAL TIME WEBSITE IN THE COURSE**
- LMS Access - Pre-recorded videos, Documents, Assignments, Codes



Book your  
**FREE Demo** now!

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## **COURSE REQUIREMENTS**



- Basic Understanding Of Block Based Programming
- A Mac or Windows Computer
- Access to the internet

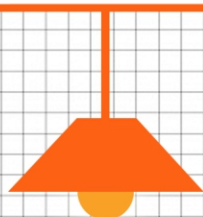




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# WHAT YOU'LL LEARN IN THE COURSE



**Best practices for  
Web Development**



**Art of Web Designing,  
Wireframing & Mockup**



**Carousel, Dropdown & Spinners,  
Card, Media Query, etc**



**Document Object Model (DOM),  
Event listeners,  
Animation , Callback Functions, etc**



**Database Basics - Create, Read,  
Update & Delete operations**



**Deploying your Website  
on Cloud**





## Introduction to Web development

- Webpage Vs Website
- Text editor and live server



START ▶

**Beginner**

**Grade 9-12**

HTML

### Structure of HTML

- Boiler plate and its use
- Different tags in HTML

### Formatting Tag

- Know about formatting tag
- Types of formatting tag



### List

- Creating different kind of list
- Menu card for coffee shop



### HTML Tables

- Know about html tables
- Use of rowspan & colspan



### Media tag

- Exploring Tag used for media
- Adding audio and video tag



HTML

### HTML Forms

- Importance of forms in website
- Types of tag use for creating form

### Div and Span

- Know about div and span
- Use of block, inline & Inlineblock



### Art of web designing - I

- Different designing principle
- Know about colors



### Art of web designing - II

- Get royalty free images
- Selection of proper text & layout for the website



### Css Anatomy and Types

- Styling of website
- Types of CSS



### Css Selectors

- Class and id in CSS
- Different type of selectors



### Css Box Model

- Concept of Box Model
- Adding margin, padding to your website



### Css overflow and float

- Content overflow problem
- Types of float and overflow property



### Css Positioning Static, Relative and Absolute

- Positioning content in effective manner
- Types of positioning



### Project 1 - Blog Website

- Creating a attractive website with the use html and CSS





**Intermediate**

Grade 9-12

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**Flex Box**

- Introduction of flexbox
- Design flexible responsive layout structure

**Font awesome and Google icons**

- Selecting fonts from Google font website
- Apply Google fonts

**Nav bar and Dropdown**

- Creating navbar using list tag
- Adding dropdown

**Css Animation**

- Animation in website
- Use of key frame

**Introduction to Bootstrap**

- Adding bootstrap in website
- Use of CDN

**Breakpoints and Grid System**

- Know about the grid system
- Use of container and breakpoint

**Buttons, forms, navbar and Alerts**

- Adding template for navbar, buttons, alerts and forms
- Changing CSS through internal and external

**Project 2:-Blogging Website**

- Creating a blog website using html, css and bootstrap

**Download Git Bash and Creating an account in Git Hub**

- Introduction to hosting a website

**Deployment in website in Git hub**

- Git and Github
- Create and Accessing website
- Publishing website in Github

**Introduction to Javascript**

- Use of Javascript in website
- Know about script tag

**Comments and Variable and Output**

- Comments and Its use
- Different ways to declare variable

**Data Types and Operators in Javascript**

- Different datatypes and operator in javascript

**Conditional Statement and Switch statement in Javascript**

- Conditional statement in javascript

**Loops in Javascript**

- Iteration and Looping
- Different types of loops

**Website SignIn/Up form**

- Creating a sign up and sign in form





## Functions in Javascript

- Know about function
- Use of functions



## Objects and Arrays

- Introduction to object and arrays
- Create object and arrays



## Introduction to DOM Structure

- Know about DOM Structure
- Relationship between HTML Tag



## Event Listner

- Introduction to events
- Different types of events



## Project 3 -Portfolio website

- Creating a student portfolio



## Adding JQuery In Website

- Use of jquery
- Detecting a click changing website content



## Events and Fading Content

- Introduction to fading effect
- Adding animating content



## Regular Expression

- Know about regular expression
- Use of regular expression



## Introduction to NOSQL

- Introduction to database
- Types of database



## Integrating firebase

- Creating realtime database
- Adding and updating data



## Accessing API

- Know about API
- Use of API



## Forms Events

- Condition for Signup and Login
- Different types of forms events



## Project 4 - E-Commerce Website (Complete Responsive website)

- Complete responsive e-commerce website

**END**





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## HOW THIS COURSE WILL HELP YOUR CHILD

- **CIC approach**

Consumer to innovator to the creator

This course aims to turn the student from a consumer of technology to the creator of technology.

- **Activity-Based learning**

Learn the required programming concepts by performing activities

- **Project - Based Learning**

Learn the required programming concepts by performing activities

Instead of a theoretical and traditional way of learning, students will build projects during the course.

- **Our PBL approach will help student in**

Allows students to acquire key knowledge & skills through the development of projects that respond to real-life problems

Develop critical thinking

Retain the concept

Integration of different concepts

# COURSE OUTLINE

## Beginner

Session Number	Activity name	Learning Outcome
1.	Introduction to Web development	Introduction to website & web development Choosing your text editor Structure of a website
2.	Structure of HTML(Boiler plate,Basic HTML Tag)	Boiler plate and Its use Creating boiler plate HTML tag Different types of heading Writing a paragraph using paragraph tag
3.	Formatting Tag	Know about formating tag Types of formating tag Making a text bold and italic Writing the formula of photosynthesis
4.	HTML List	Creating a list Difference in ordered list, unordered list & description list Creating Menu Card for coffee shop
5.	HTML Tables	Know about table tag Spanning Row and column Adding color & border Creating Grading report for students
6.	Media Tag	Exploring tag used for media Use of audio & video tag Different way of including media
7.	HTML Forms	Importance of forms in website Types of tag use for creating form Create a simple form Creating student registration form
8.	Div and Span	Know about div and span Use of div and span Inline, block & Inline-Block Creating student profile
9.	Art of web designing and 9 principal of web designing	Importance of designing Know about colors Getting loyalty free images Different designing principle
10.		Design a website Selecting text for the website Typography, image, color, text, layout Creating a proper layout of the website
11.	Css Anatomy and Types of Css	Styling of website Types of CSS Inserting different type of CSS
12.	Css Selectors	Class and ID in CSS Difference in class And Id How to add selector in any tag
13.	Css Box Model	Box model introduction Adding margin,padding to your website Calculation for width and height the website
14.	Css overflow and float	Problem due to overflow of content Overflow and its property Types of overflow Float and its property
15.	Css Positioning Static,Relative and Absolute	Positioning of content Probelm related to positioning of content Types of postioning Use of differnet position types
16.	Blog Website	Creating a attractive website with the use HTML and CSS



# COURSE OUTLINE

## Intermediate

Session Number	Activity name	Learning Outcome
1.	Flex Box	Resolving problem of website layout Introduction of flexbox Design flexible responsive layout structure
2.	Font awesome and Google icons	Introduction of Google fonts and font awesome Selecting font for Google font website Apply Google fonts
3.	Nav bar and Dropdown	Nav bar and Its importance in website Creating navbar Adding dropdown
4.	Css Animation	Creating CSS animation Use of keyframe Adding different functions to create animation
5.	Introduction to Bootstrap & way to include bootstrap	Introduction to bootstrap Connecting bootstrap to html Importance classes of bootstrap
6.	Breakpoints and Grid System	Know about the grid system Use of container Breakpoints and Its working Use of different breakpoint dimensions
7.	Buttons, Forms, Navbar and Alerts	Adding template of Navbar, buttons and alert box Applying different text color and background color Changing content through CSS
8.	Project 2:-Blogging Website	Creating a blog website using HTML,CSS and Bootstrap
9.	Download Git Bash and Creating an account in Git Hub	Introduction to hosting a website What is git and github Some important git commands Creating account on github
10.	Depolyment in website in Git hub	Deployment of website Create and Accessing repository Push the website in github Publish the website
11.	Introduction to javascript and ways of inserting javascript	Introduction to javascript Know about script tag Apply javascript in HTML
12.	Comments and Variable(Let, Var and Const) and Output	Comments and Its use Different data types Show the output
13.	Data Types and Operators in Javascript	Types of data Creating variable to store different type of data Operators in javascript Types of operators
14.	Conditional Statement and Switch statement in Javascript	Conditional statement in Javascript Use of if and else Use of switch & brick Handling Multiple Condition
15.	Loops in Javascript	Iteration and Looping Different types of Loops Counter Loop vs Conditional Loop
16.	Project 3:- Website SignIn/Up form	Creating a sign up and sign in form

# COURSE OUTLINE

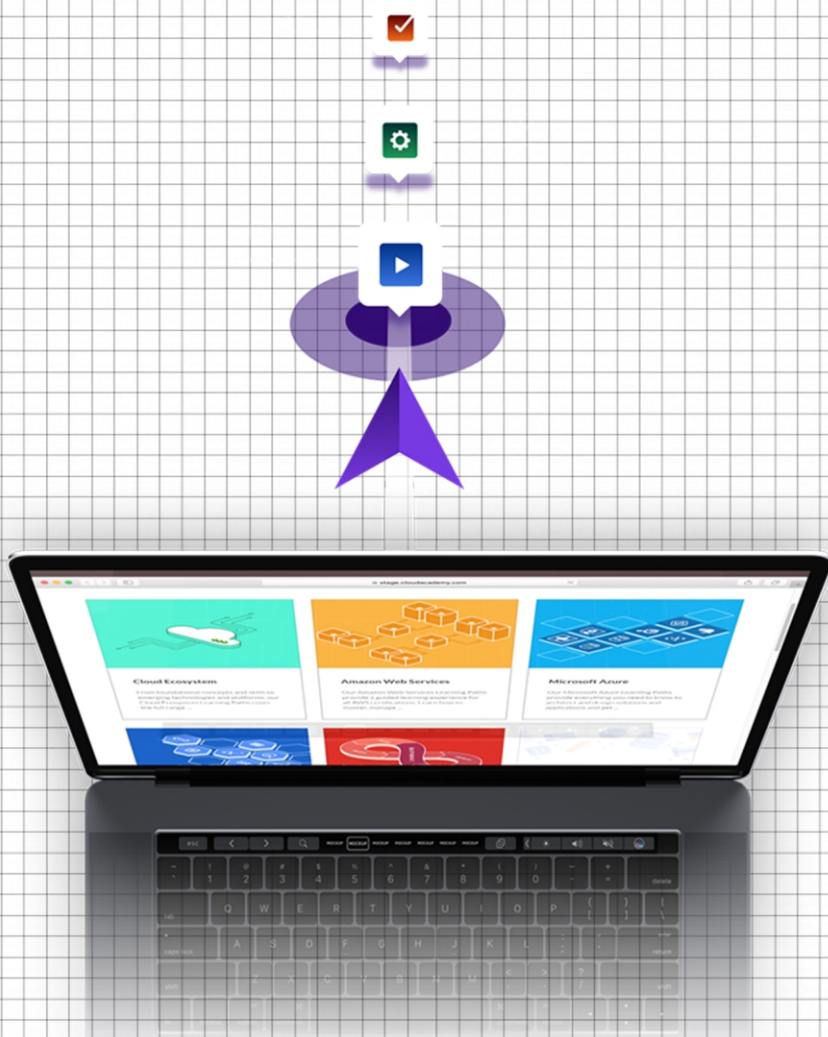
## Advance

Session Number	Activity name	Learning Outcome
1.	Functions in Javascript	Use of functions Different type of functions Function declaration & calling Passing argument and setting parameters
2.	Objects and Arrays	Introduction to object and arrays Accessing the element of array Use of objects and arrays Application of object and arrays
3.	Introduction to DOM Structure	Know about DOM Structure Relationship between HTML Tag Importance of DOM Structure Using DOM structure to get the data
4.	Css styling and event listner	Introduction to events Different types of events Applying different events for button
5.	Forms events	Events necessary for form Different types of forms events Applying forms events Creating a and using events
6-7.	Project-Portfolio website	Creating a Student Portfolio
8.	Adding JQuery In Website	What is jquery Use of jquery Adding jquery to html page
9.	Events and Fading Content	Introduction to fading effect Apply fading effect Different events for fading effect
10.	Regular Expression	Know about regular expression Importance of regular expression Application of regular expression
11.	Introduction to NOSQL (Firebase)	Introduction to database Types of database Creating account on firebase Different CRUD operations
12.	Integrating firebase	Creating database in firebase Integrating firebase to html website Inserting and deleting data from firebase
13.	Connecting database with javascript (Integrated Api)	Know abot API use of API Complete process of API Introduction of JSON
14-16.	Complete Responsive website(E-Commerce Website)	Complete responsive e-commerce website

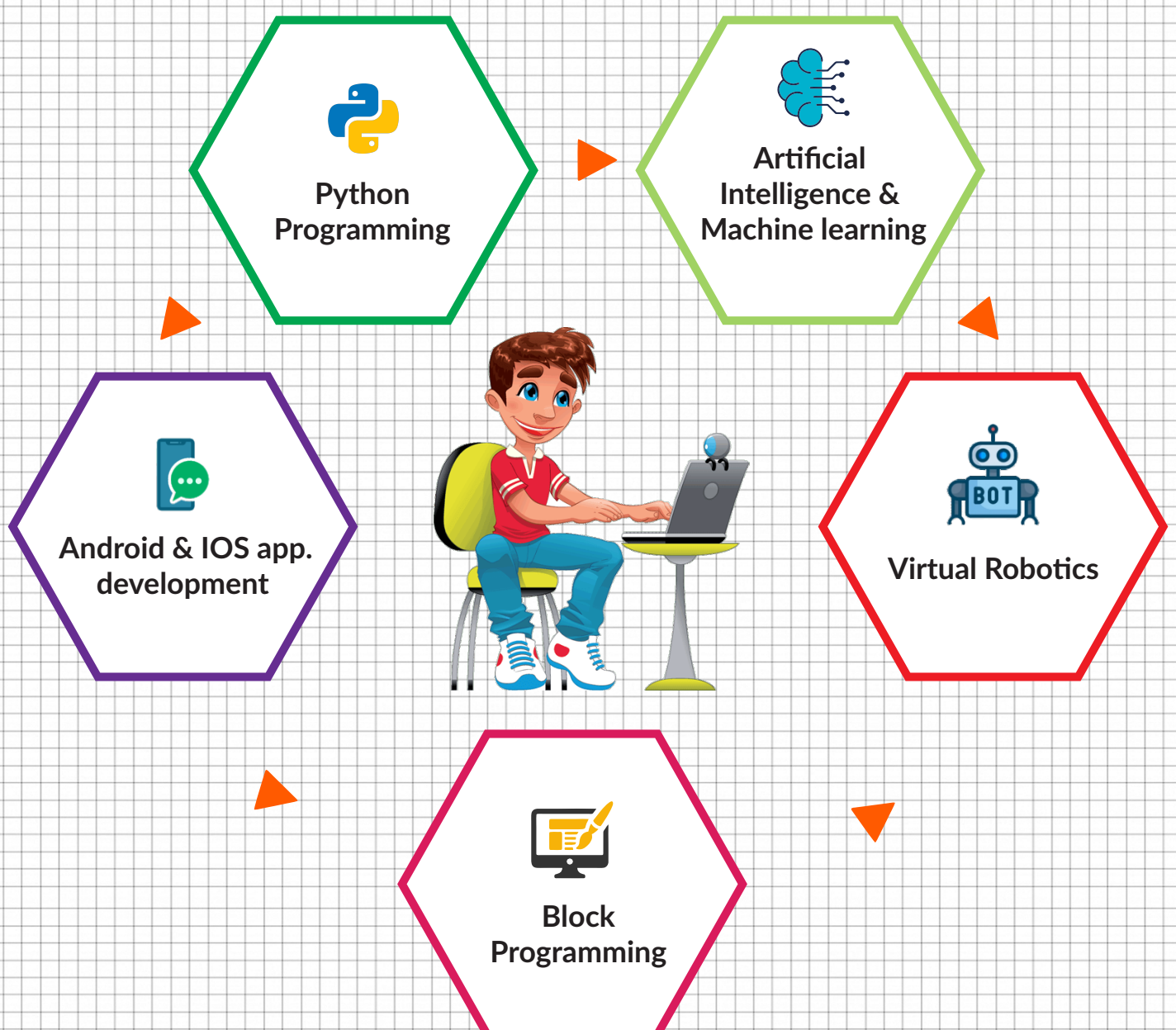




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## OTHER COURSES





## FOR MORE COURSES VISIT:

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