

TurtleCode

Course Structure

Grade 9 – 10

Section 1 : CS Fundamentals and Introduction to Web

1

Introducing fundamentals of Programming and getting started with App Lab

2

Explaining Variables, Operators and Conditionals along with a hands-on session

3

Explaining Loops and Functions along with a hands-on session

4

Mini-Project I : Design, Implement and Publish

5

Introducing about World Wide Web and HTML

6

HTML: Formatting, Hyperlinking, Images hands-on session

7

Forms, Radio Buttons and CheckBoxes

8

Adding style and colours using CSS Part - 1

9

Adding style and colours using CSS Part - 2

10

Mini-Project II : Personal portfolio website Design, Implement and Publish



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Section 2: Advanced Web Development

1

Introduction to JavaScript

2

Working with JS : Functions and Events

3

Image Maps : Redirecting when clicked

4

Animation with JavaScript

5

JavaScript Objects Part I

6

JavaScript Objects Part II

7

Mini Project I

8

Validation of Forms, Errors and Debugging

9

Mini-Project II

10

Final-Project : Making your own animated game and publish on web



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