

LessonPlan COE - 2023

Lesson Plan Ref.	1/WEB & Brand	Course Ref.	
Technical Course:	Web Development		
Trainer Name:	DEVANSH		
College Name:	St. Bede's College, Shimla		
Topic:	Web Development		
Level:	Basic to Advance	Lesson Duration:	

Lesson Overview

The course covers a broad range of web development topics, starting with HTML, which is the foundation of every website. HTML is a markup language that is used to structure content on the web. Students will learn the syntax, tags, and attributes of HTML and how to create web pages using it.

Next, the course covers CSS, which is used for styling web pages. Students will learn how to use CSS to add colors, fonts, layout, and other visual elements to their web pages.

Bootstrap is an open-source CSS framework that is used to develop responsive and mobile-first web pages. Students will learn how to use Bootstrap to create beautiful and responsive web pages that work on all devices.

The course also covers DBMS, which stands for Database Management System. DBMS is used to store, manage, and retrieve data from a database. Students will learn how to design and create a database, and how to use SQL, which is a query language used to interact with databases.

ReactJS is open-source Java script library for building user interfaces, focuses on reusable UI components and efficient rendering using Virtual DOM.

Finally, the course covers JavaScript, which is a client-side scripting language used to add interactivity to web pages. Students will learn how to use JavaScript to create animations, validate forms, and create dynamic web content.

Overall, this course provides a comprehensive introduction to web development, covering both the front-end and back-end aspects of creating a website. Students will gain hands-on experience creating web pages, working with databases, and

using various programming languages and frameworks to develop dynamic web applications.

Summary of Lessons

	Description
Web - HTML	<ol style="list-style-type: none">1. Introduction2. Basic concept of web development3. Setting up local environment4. HTML5. HTML Tags6. Lists, Tables, and forms <p>TEST - 1</p>
CSS	<ol style="list-style-type: none">7. Introduction8. CSS Selectors9. Unit: Length & Color10. CSS Properties11. Box Model12. Inspect Element13. Display14. Position15. Structuring a web page16. Flexbox17. Media Queries <p>TEST - 2</p>
Bootstrap	<ol style="list-style-type: none">18. Introduction19. Layout20. Other components <p>TEST - 3</p>

<p style="text-align: center;">DBMS</p>	<p>21. What is DBMS 22. SQL Queries-database related 23. SQL Queries-records related 24. Designing a database 25. Database relationships 26. Join Queries 27. Importing and exporting a database</p> <p>TEST – 4</p>
<p style="text-align: center;">ReactJS</p>	<p>28. Introduction & Installation 29. JSX and Components 30. React Lifecycle 31. Managing React with React Hooks 32. Handling Events and Forms 33. Styled React Applications 34. Routing in React 35. Data Fetching with APIs 36. Forms and Validation 37. Assignment</p> <p>TEST – 5</p>
<p style="text-align: center;">JS</p>	<p>28. Introduction 29. Variables and Operators 30. Conditional statements and loops 31. Functions 32. Objects and classes 33. Arrays 34. Strings 35. JS as client-side language 36. Debugging JS using inspect element 37. AJAX</p> <p>TEST - 6</p>
<p style="text-align: center;">PROJECT</p>	<p>Mini project –</p> <p>Major Project –</p>

