**Front-End Developer**

STUDENT NAME:

QUALIFICATION:

JOIN DATE:

COMPLETED DATE:

COUNSELLOR:

FACULTY:

This document serves as the module for the Front-End Developer course, encompassing the topics taught at CbTech. Please review and confirm the completion status of all topics. Additionally, kindly provide remarks for topics covered by your faculty.

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| MONTH 1 | | |
| TOPIC | THEORY | PRACTICAL |
| **FRONT END TECHNOLOGIES**     HTML   * HTML Elements * HTML Attributes * HTML Headings * HTML Paragraphs * HTML Text Formatting * HTML Images * Block & Inline Elements * Divisions * Class, Id * HTML Layout * HTML Forms * HTML Lists * HTML Link * HTML Table |  |  |
| **CSS**   * CSS syntax * Type of Css * CSS Selectors * CSS Colors * CSS Backgrounds * CSS Borders * CSS Margins * display Property * position Property * Layout - Overflow * float and clear * CSS Combinators * Pseudo-classes * Pseudo-elements   **Web Page design using HTML and CSS**  **JAVASCRIPT**   * JavaScript Introduction * JavaScript Display Possibilities * JavaScript Statements,syntax * Js const,var,let * Js data types * JavaScript Functions * JavaScript Objects * JavaScript Events * Js Strings,Numbers,Array * Js date * Js if else, switch, loop * JS RegExp * JS Functions * Function Parameters * Invocation * Closures * JavaScript html dom * Form Validation   **Calculator Simple js project**  **ADDTOCART project**  **JQUERY**   * Introduction * Syntax * jQuery Selectors * jQuery Event Methods * jQuery Effects - Hide and Show * Effects - Fading * Effects - Sliding * Effects - Animation * Stop Animations * Callback Functions * Chaining |  |  |
| MONTH 3 | | |
| TOPIC | THEORY | PRACTICAL |
| **Version Control and Development Tools**   * **Version Control Systems**   + Introduction to Git   + Basic commands (clone, commit, push, pull, branch)   + Working with GitHub or GitLab * **Development Tools**   + Code editors (e.g., VS Code)   + Browser Developer Tools   + Build tools (e.g., Webpack, Babel)   + Package managers (e.g., npm, Yarn)   **Practical Assignment:** Set up a Git repository for your projects and use version control for tracking changes.  **React for Beginners** **Week 1: Introduction to React**  * Overview of React * Setting Up the Environment  **Week 2: Basic React Concepts**  * JSX (JavaScript XML) * Components  **Week 3: State Management**  * Introduction to State * Event Handling  **Week 4: Effects and Side Effects**  * Using useEffect Hook  **Week 5: React Router**  * Introduction to React Router * Creating Routes and Navigation  **Week 6: Styling in React**  * CSS Styling * Introduction to CSS Modules  **Week 7: React Components and Props**  * Component Composition * PropTypes  **Week 8: Introduction to Hooks**  * Custom Hooks  **Week 9: Performance and Best Practices**  * Performance Optimization * Best Practices  **Week 10:**   * Project Guidelines |  |  |
| **MONTH 4** | | | |
| Final Project | | | |

I hereby acknowledge that all the above topics have been covered by my faculty during my learning of the Front-End Developer course at Cbtech.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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