***Programming Hero Immersive Webcamp***

**Agenda:**

Over the course of this 3-weeks immersive web camp, participants will embark on a comprehensive journey into the world of web development, covering essential technologies and concepts. The camp is structured into four weeks, starting with exploring HTML fundamentals and advancing through CSS, JavaScript, and DOM manipulation. The latter part of the camp is dedicated to hands-on projects that apply the acquired knowledge to real-world scenarios.

**Goal:**

The primary goal of this web camp is to equip participants with a solid foundation in web development. By the end of the camp, participants should have a deep understanding of HTML, CSS, JavaScript, and the Document Object Model (DOM). They should be able to create structured and styled web content, implement basic interactivity, and understand responsive web design principles. Additionally, through practical projects, participants will develop the skills to create personal portfolios, web-based games, and interactive web applications. Ultimately, the goal is to empower participants to become proficient web developers capable of crafting engaging and functional web experiences.

**Possible Timeframe:**

Week1: 26th November to 2nd December

Week2: 3rd December to 9th December

Week3: 10th December to 16th December

**WebCamp Includes:**

* 6 Live Classes
* 3 Assignments
* 3 Projects
* The top 3 best projects will receive special award certificates and exclusive swags from Programming Hero.

**Week 1: HTML & CSS Foundations (Live Classes 1-2)**

* Live Class 1: Introduction to HTML & Creating a Basic HTML Page
* Live Class 2: HTML5 Elements, Semantic Markup & CSS Fundamentals
* Assignment 1: Build and Style a Simple HTML Page
* Project 1: Create a Personal Portfolio Website

**Week 2: CSS3 and Responsive Design (Live Classes 3-4)**

* Live Class 3: CSS3 Features and Effects
* Live Class 4: Responsive Web Design with CSS
* Assignment 2: Build a Responsive Web Page
* Project 2: Build a Web-Based Game or Interactive Application (Week 2)

**Week 3: JavaScript Basics and DOM Manipulation (Live Classes 5-6)**

* Live Class 5: Introduction to JavaScript
* Live Class 6: Working with the DOM
* Assignment 3: Add Interactivity to Your Web Page with JavaScript
* Project 3: Develop a Web App with DOM Manipulation (Week 3)

Throughout these weeks, students can access online resources and support to help with their assignments and projects. The live classes can include lectures, demonstrations, and Q&A sessions to ensure a comprehensive learning experience. The assignments and projects will allow students to apply their knowledge and skills in practical scenarios, fostering a deeper understanding of web development concepts.