## **Class Plan ( CSS Functions)**

### **Digital Excellence Program – Sample Class Plan**

**Topic: CSS Functions.**

| **Time Slot** | **Activity** | **Description** |
| --- | --- | --- |
| **First 5 minutes** | **Warm-up & Reflection** | * Reflection on two projects built yesterday. Students will answer what happens if we replace one position with another in yesterday’s projects.This exercise will deepen conceptual understanding beyond just making things work. |
| **30 minutes** | **Core Concept Explanation** | * **Break down CSS functions into categories with examples:**   + Math functions(calc(),min(),max(),clamp()   + CSS variables(var)   + Color functions(hsl, rgba) |
| **30 minutes** | **Activity** | Students will complete one assignments :   * Build a **responsive pricing card** using CSS functions. * The card should:   ✅ calc() for dynamic spacing.  ✅ var() for color theming.  ✅ clamp() for font size adjustments.  ✅ hsl() or rgba() for color manipulation. |
| **10 minutes** | **Class Wrap-up** | Recap of key concepts. Five questions to check their understanding:   1. What happens if a CSS variable (var()) is not defined? 2. What’s the difference between clamp() and max()? 3. What is the advantage of using hsl() over hex codes? 4. Can you use var() inside calc()? If so, how? 5. How does rgba() function differ from rgb()? |

### **References & Notes for CSS Function**

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#### **Core Concept Explanation**

**References:**

* [CSS Functions](https://web.dev/learn/css/functions?continue=https%3A%2F%2Fweb.dev%2Flearn%2Fcss%23article-https%3A%2F%2Fweb.dev%2Flearn%2Fcss%2Ffunctions)

**Class schedule - Begumpet**

|  | Notes | Availability | In-person class | Online class? |
| --- | --- | --- | --- | --- |
| 5/4 | Holiday | Yes |  | Yes |
| 6/4 | Day before internals - Students need to prepare | No |  |  |
| 7/4 | Internal | No |  |  |
| 8/4 | Day before internals - Students need to prepare | No |  |  |
| 9/4 | Internal | No |  |  |
| 10/4 |  |  | Yes |  |

Note1 : Three practical exams between 11/4 to 19/4. Students can’t attend before or on the day of the practical exam to give time for preparation.

Note2 : Final exams will be between April 25th to May8th. They are willing to attend classes after May8th.