Assignment # 01

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Report

The assignment criteria was based on redesigning our department website by using different HTML and CSS techniques .

There were many changes made and items added to enhance the layout of the website keeping the original content in view .

Phase 1 :

Before the beginning of the designing phase first step was to go through the original design and look at the possible drawbacks and potential improvements that could be made . Two points were prominent in my opinion that required immediate changes :
. The responsive of the website should be improved
. The website should look more innovative but keeping the context of the website in view i-e an educational institute website .

Phase 2 :

To keep things subtle, I opted for light color scheme palate with mint color and different shades of brown varying from dark to light along with black and grey color for the underline and the text color at some points .

I divided each webpage into sections(boxes) and added box shadows for enhancement .

I also added animated images to change the outlook of the website to seem more interactive and added transition and animations to slider and these images .

For the research section at home page and the faculty members homepage I designed cards enclosing all the information with slight transition to them .

Designing

Phase 1 :

For the designing part I kept one CSS file that enclosed all the styling applied on multiple files . Many of the designs were repeated so gave the same class names to multiple html structures. I started by structuring my page based on the following criteria :
- grid structure for the entire page
- flexbox for individual components .

Used animation for the slider at each point to slide as many images as possible . Gave box structure to components to separate each section.

Phase 2 :

To keep things from going in haphazard manner started off the website by mobile first approach then moved to tablet screen and then towards the desktop screens.

Used margin , paddings , justify content , align items , text align to adjust alignments of various html components .

Used CSS variables to avoid repetitive use of same properties .

Used media queries to make a responsive layout .

Used keyframes to add transition effects.

Used anchor tags to navigate between different webpages .

Overall used all learned and available CSS styles to make a user friendly and responsive website for our department .