



Department of Computer Science

Quaid-e-Azam University, Islamabad

Assignment 1:
CS QAU website

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Objective:

This project aims to redesign the website of the Computer Science Department at Quaid-i-Azam University (<https://cs.qau.edu.pk/>) to enhance its visual appeal, usability, and responsiveness across all screen sizes with a mobile-first approach. The redesign focuses on implementing modern layouts, a consistent color scheme, and intuitive navigation to improve the user experience. Using HTML5 and CSS3 technologies, the new design ensures accessibility, performance, and seamless responsiveness. The goal is to reflect the department's academic excellence through a clean, functional, and user-friendly website.

Tools & Technologies:

- Html
- CSS
- Tailwind CSS

HTML Techniques:

- Use of semantic tags like `<nav>`, `<header>`, `<section>`, and `<footer>` enhanced both the structure and accessibility of the website
- Clean and descriptive anchor tags (`<a>`) were used to facilitate smooth internal page navigation and linking

CSS Techniques

Flexbox & Grid:

Creating flexible layouts, aligning items, and building sections like responsive cards.

Transitions & Hover Effects:

Interactive hover animations and smooth transitions were used for cards, links and image slider.

Custom Scroll Effects:

Subtle scroll animations and transitions were added to highlight sections dynamically as the user explores the site.

Features

Home Page:

Serves as the landing interface for the website. Includes a clean and welcoming layout with animated elements for better engagement. Introduces the institution and highlights important sections using smooth transitions.

Academics Section:

Displays detailed academic programs such as PhD, MPhil, MS, and BS. Organized using semantic HTML with descriptive headings and list structures. Each program includes eligibility, semester offerings, and external resource links.

Admissions Interface:

Simple and clear admission form layout with validation-ready input fields and well-structured submission elements.

Funded Projects Page:

Highlights major funded research and development initiatives. Presented using a grid layout for clarity and emphasis. Includes project titles, funding bodies, and brief descriptions.

Research Overview:

Presents the department's major research areas. Uses structured content blocks with icons or bullets to improve readability. Highlights interdisciplinary focus and impact.

Faculty Directory:

Fully dynamic and responsive faculty section with structured cards including designations, research interests, email, and contact.

Interactive Elements:

Scroll-to-top button, fixed navigation bar, and animated content loading in different sections enhance engagement.
