**University Website Documentation**

**1. Project Overview**

**Project Title:** University Website

Your Details: I am Gaurav Mishra  aspiring  to be  Java Full Stack Developer, passionate about building dynamic and scalable web applications.  I am  focused on mastering both frontend and backend technologies to create seamless user experiences. 🚀  
**Description:** A university website that provides information about courses, blogs, contact details, and the university itself. It includes a structured navigation system, interactive UI, and a contact form.

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**3. Technology Stack**

**Frontend:** HTML, CSS (Bootstrap & FontAwesome for styling)  
**Backend:** N/A (Static Website)  
**APIs Used:** N/A  
**CDN Libraries:** FontAwesome

**4. Features**

* **Navigation Bar:** Common across all pages
* **Home Page:** Displays general information about the university
* **About Page:** Provides university details
* **Courses Page:** Lists the available courses
* **Blog Page:** Displays blog articles with a comment section
* **Contact Page:** Includes contact details and a form for user inquiries

**5. Code Structure**

The project consists of the following files:

**HTML Files:**

* **about.html** – University description page
* **blog.html** – Blog page with categories and a comment section
* **contactUs.html** – Contact page with a form and Google Maps location
* **courses.html** – Lists courses and facilities offered by the university
* **index.html (Assumed)** – Main homepage

**CSS File:**

* **style.css** – Contains all the styling rules for the website

**6. Functionality**

**Navigation Menu**

* A responsive navigation bar is available on all pages.
* Uses FontAwesome for icons and a toggle menu for small screens.

**About Page (about.html)**

* Displays information about the university.
* Contains an image and description of the university.
* Includes a footer with social media icons.

**Blog Page (blog.html)**

* Shows blog articles about the university.
* Has a sidebar for blog categories.
* Includes a comment box for user feedback.

**Contact Page (contactUs.html)**

* Displays the university's address, phone number, and email.
* Google Maps integration for location display.
* Contact form for user inquiries.

**Courses Page (courses.html)**

* Lists different course offerings with descriptions.
* Showcases university facilities such as the library and cafeteria.

**7. Testing**

* **Manual Testing:**
  + Ensured responsiveness on mobile and desktop.
  + Verified all links and buttons work correctly.
  + Checked form validation on the contact page.
* **Cross-Browser Testing:**
  + Tested on Chrome, Firefox, and Edge.

**8. Challenges and Solutions**

**Challenge 1: Responsive Design**

* **Issue:** Some elements overlapped on mobile screens.
* **Solution:** Used CSS media queries to adjust layout for different screen sizes.

**Challenge 2: Navigation Bar Toggling**

* **Issue:** Menu toggle didn’t work initially.
* **Solution:** Used JavaScript to show/hide the menu.

**Challenge 3: Form Validation**

* **Issue:** Users could submit forms without entering required data.
* **Solution:** Added HTML required attributes to form fields.

**Conclusion**

The University Website provides an informative and interactive experience for students and visitors. It features a clean design, easy navigation, and essential university details. Future improvements could include backend integration for user authentication and dynamic content management.