A Mini Project Synopsis on

**COLLEGE DEPARTMENT WEBPAGE**

Submitted to Manipal University, Jaipur

Towards the partial fulfillment for the Award of the Degree of

**BACHELOR OF TECHNOLOGY**

In Computers Science and Engineering

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By

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**1.INTRODUCTION**

The digital era demands robust online platforms that not only serve as informational repositories but also encapsulate the ethos and academic vibrancy of educational institutions. The Computer Science Department at Manipal University Jaipur (MUJ) requires a webpage that mirrors its commitment to excellence in education, research, and innovation. This document delineates the development of such a webpage, meticulously crafted to reflect MUJ's stature and spirit.

The project commenced with an understanding that the website needed to be more than a digital pamphlet. It was envisioned as a dynamic interface that would engage students, faculty, and stakeholders in an intuitive and interactive manner. The color palette of orange and white was chosen to resonate with the university's branding, while also ensuring a clean and modern aesthetic. The webpage incorporates essential elements such as the department's logo, a navigation bar, and dedicated sections for the Director and Head of Department, providing a blend of administrative insight and academic guidance.

An integral part of the website is the "Rise with Us!" section, showcasing the department's placement statistics—a testament to the successful career trajectory of its students. To foster communication and interaction, an enquiry form was incorporated, inviting potential students to connect with the department. This document aims to detail the process and considerations involved in creating a webpage that is both informative and emblematic of the department's pursuit of academic distinction.

**2.MOTIVATION**

The primary motivation for this project was to address a critical need for the Computer Science Department—a need for an online presence that does more than convey information. It was imperative to create a space that fosters a sense of community and academic pursuit among students and educators. The motivation extended beyond mere functionality; it was about carving out a virtual space that students could identify with, that echoed the vibrancy of campus life and the rigor of a computer science curriculum.

Moreover, the digital footprint of an educational institution significantly impacts its reputation and outreach. Recognizing this, the development of the webpage was propelled by the desire to establish a digital interface that would effectively communicate the department's values, achievements, and opportunities to a global audience.

In the wake of the COVID-19 pandemic, the importance of digital resources in education has been accentuated. The webpage is a step towards ensuring that students, regardless of their geographical or temporal constraints, have uninterrupted access to the department's resources. It is also a response to the evolving digital landscape in education, where a webpage can serve as a catalyst for learning, discovery, and innovation.

The webpage project is anchored in the belief that the right online platform can significantly enhance the educational journey. It aims to be a testament to the department's dedication to providing an environment that not only imparts knowledge but also nurtures inquisitive minds to delve into the realms of computer science. The design and development of the webpage are, thus, motivated by a commitment to excellence and the aspiration to connect, engage, and inspire.

**3.STATEMENT OF PROBLEM**

Currently, the department lacks an online representation that effectively combines institutional branding with department-specific content. The webpage addresses this gap by creating a cohesive and informative online presence that aligns with MUJ's broader digital strategy.

**4.METHODOLOGY**

The development process involved the following steps:

1. Gathering requirements for the webpage, including content and design preferences.
2. Crafting the webpage layout using HTML5 to create a semantic structure.
3. Styling the webpage with CSS3, adhering to MUJ's color scheme and design guidelines.
4. Implementing an enquiry form with JavaScript to collect user input.
5. Testing the webpage for responsiveness and cross-browser compatibility.
6. Iterating based on feedback to ensure the webpage meets the department's needs.

**5.FACILITIES REQUIRED FOR PROPOSED WORK**

The project required the following software tools:

* A text editor or IDE (Integrated Development Environment), such as Visual Studio Code, for writing and editing code.
* Web browsers like Google Chrome, Mozilla Firefox, and Safari for testing.
* A local server environment for testing backend form submission, if necessary.

No specific hardware requirements were beyond a computer capable of running the aforementioned software.

**6.SCREENSHOTS**

**A screenshot of a cell phone

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**A screenshot of a computer

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**7.BIBLIOGRAPHY/REFERENCES**

1. MDN Web Docs (2023). HTML5: A technical specification for Web developers. Mozilla. <https://developer.mozilla.org/en-US/docs/Web/HTML>
2. MDN Web Docs (2023). Cascading Style Sheets (CSS): A language for describing the rendering of HTML and XML documents. Mozilla. <https://developer.mozilla.org/en-US/docs/Web/CSS>
3. W3C (2023). Web Content Accessibility Guidelines (WCAG) Overview. World Wide Web Consortium (W3C). <https://www.w3.org/WAI/standards-guidelines/wcag/>
4. JavaScript.info (2023). The Modern JavaScript Tutorial. <https://javascript.info/>
5. GitHub (2023). GitHub: Where the world builds software. <https://github.com/>

**8.ATTACH CERTIFICATES (HTML, CSS, JAVASCRIPT, PHP)**

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