

Adarsh International School “School Website”

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ABSTRACT

This research paper outlines the design, creation, and deployment of the official website for Adarsh International School. The primary aim of the project was to produce an interactive, user-friendly, informative and an informative online platform that represented the school's ethos, facilities, academic programs, and admission processes. The project included a focus on modern web development knowledge, responsive design for a variety of devices, accessibility standards, and navigability to enhance user experience for students, parents, and staff. The various sections of the site include academic curriculum elements, latest school news, faculty information, online admission forms, and integrated communication portals (ex. email). The technology employed in the website included HTML, CSS, C# and ASP.NET, with a focus on an expressive site structure with maximum potential of being dynamic. This research included discussions about challenges experienced during the development phase around considerations such as data security and improving page load time, specifically the solutions used to address these challenges. In conclusion, the Adarsh International School website is a complete online portal that provides a wide variety of information and solidifies the school's online presence as part of their mission to provide quality education.

1.Introduction

In today's fast-paced digital world, a strong online presence is necessary for educational institutions to connect with students, parents, and the community. Adarsh International School recognized this need and began the process to design and develop an official website that reflects its values, showcases its academic achievements, and makes communication easier.

The vision of the website is not only to be informational but to allow a level of interactivity where the visitor can emerge themselves into the philosophy, achievements, infrastructure and activities of the school. From easy access to admission forms, to updates on events and announcements, the idea is that the website can act as a bridge between the school and its stakeholders. Throughout the development of the project consideration was given in creating a user-friendly, appealing and globally accessible website regardless of the device size. The site used modern application and web technologies namely HTML, CSS, C# and ASP.NET - further, the development of the site concentrated on the interactivity of the website while

ensuring security and stability. As well, every effort was made to reflect the institutional identity of the school through a clear, organised design while conveying a tone of welcome to reflect Adarsh International School's holistic education framework.

2.BACKGROUND AND HISTORY

Adarsh International School has always been dedicated to providing quality education rooted in strong values, innovation, and a global perspective. Since its establishment, the school has steadily built a reputation for academic excellence, vibrant extracurricular programs, and a nurturing environment that supports the holistic development of every student. Over the years, Adarsh International School has embraced change and growth, adapting to the evolving educational landscape while staying true to its core mission of shaping responsible and confident citizens.

As the school expanded its programs and community outreach, the need for a dedicated online platform became increasingly clear. Parents, students, and prospective families were seeking easier ways to access information, apply for admissions, stay updated on events, and engage with the school community. A traditional approach through brochures and word-of-mouth was no longer enough in a world where digital connectivity plays such a central role.

The idea of creating a website was born out of this realization — not just as a digital brochure, but as a dynamic, interactive hub for communication, information, and engagement. The project aimed to bring the spirit and vibrancy of Adarsh International School to life online, ensuring that anyone visiting the site could immediately feel connected to the school's ethos, achievements, and vision for the future.

In this context, the research and development of the Adarsh International School website mark an important step in the school's journey toward greater accessibility, transparency, and innovation in education.

3.Literature Review of Literature

The creation of educational websites has been a topic of growing interest in recent years, especially as schools and institutions increasingly rely on digital platforms to connect with their communities. Several studies and case analyses have highlighted how a well-designed school website can significantly enhance communication, streamline administrative processes, and support student learning outside the classroom.

According to research, user experience (UX) plays a critical role in educational website effectiveness. Websites must be intuitive, visually engaging, and responsive to different devices to meet the expectations of today's tech-savvy users. Studies also show that including features such as online admissions, event calendars, newsletters, and parent portals greatly improves accessibility and satisfaction among stakeholders.

Another important aspect discussed in previous literature is content relevance and accessibility. Educational websites need to ensure that information is updated regularly, clearly organized, and easy to navigate. Accessibility standards, such as those outlined by the Web Content

Accessibility Guidelines (WCAG), are emphasized to make sure that the content is usable by people with disabilities.

Security and privacy are also recurring themes in research. Given the sensitivity of student and parent information, strong data protection measures are essential. Various case studies recommend using secure hosting, encryption, and careful management of user data to maintain trust and comply with regulations.

In developing the Adarsh International School website, these key findings from past studies were carefully considered. The design aims to balance aesthetics with functionality, ensuring a smooth and secure user experience while authentically representing the school's values and spirit. By drawing from best practices in educational web development and user-centered design, the website aspires to meet the modern expectations of both existing and prospective families.

4.METHODOLOGY OF THE PROJECT

Building the Adarsh International School website was a step-by-step journey that combined thoughtful planning, creative design, technical development, and continuous feedback. The main goal was to create a website that not only looked professional but also served the needs of students, parents, and teachers effectively. To achieve this, the project followed a structured and flexible methodology, divided into several key stages:

4.1. Requirement Gathering:

The project started with detailed discussions with the school management, faculty members, and some students. Their insights helped shape a clear understanding of what the website needed to offer — from showcasing academic achievements and facilities to enabling online admissions and easy communication.

4.2. Research and Analysis:

Before diving into design, research was conducted to study other leading school websites. This helped identify best practices in layout, navigation, content presentation, and user interaction. Special focus was placed on creating a site that was easy to navigate and accessible on all devices, including smartphones and tablets.

4.3. Design and Planning:

A simple and clean design was chosen to reflect the school's identity. Wireframes (basic sketches of pages) were created to organize content logically. Color themes, fonts, and imagery were selected carefully to maintain a consistent and inviting look throughout the website.

4.4. Development:

Using technologies like HTML5, CSS3, JavaScript, and ASP.NET, the actual construction of the website began. Interactive elements such as an admission inquiry form, event calendar, news updates, and photo gallery were integrated to make the website dynamic and useful for users.

4.5. Testing and Feedback:

Once the initial version of the website was ready, it was tested on different browsers and devices to ensure everything worked correctly. Feedback was collected from a small group of teachers,

parents, and students, leading to several important refinements that improved the site's performance and usability.

4.6.Launch and Ongoing Maintenance:

After final adjustments, the website was officially launched. A maintenance plan was put in place to ensure regular updates, backups, and security checks, making sure the platform remains safe, current, and valuable for the entire school community.

Throughout the project, flexibility, user-friendliness, and the school's spirit were kept at the center of every decision. By following this organized yet adaptable approach, the Adarsh International School website was successfully brought to life as a digital extension of the school's values and vision.

5.Results & Discussions

The development of the Adarsh International School website resulted in a platform that successfully meets the needs of the school community. The final website is clean, user-friendly, and informative, providing a strong online presence that truly represents the school's values and academic excellence.

One of the most noticeable achievements was the positive feedback received from students, parents, and staff after the launch. Many users appreciated the easy navigation, quick access to important information, and the fresh, modern design. The responsive layout worked smoothly across different devices, making it easier for users to stay connected whether they were using a phone, tablet, or computer.

The online admission form became one of the most used features, simplifying the registration process for new parents. Previously, admissions required multiple visits to the school; now, the initial steps can be completed online, saving time and making the process more convenient. Similarly, the events and news section helped parents stay updated on important dates and school activities without needing to call or visit the school office.

Another important outcome was the increased engagement on the website. Analytics showed steady traffic growth after the launch, with users spending more time browsing different sections like curriculum details, photo galleries, and newsletters. This indicates that the content strategy — keeping information relevant, fresh, and easy to understand — was effective.

However, the project also revealed areas for future improvement. Some users suggested adding more interactive features, such as a virtual tour of the campus and an online fee payment system. These suggestions have been noted for the next phase of updates, as the school continues to enhance its digital offerings.

In summary, the Adarsh International School website achieved its core goals: making information more accessible, strengthening communication, and building a strong digital identity for the school. The project demonstrates how thoughtful planning, user feedback, and modern technology can come together to create meaningful improvements in education outreach.

6. Image of Website



Login Page

Registration

---Select Category---

Name

Sex

Email

Password

Save

You Have Already Registered Please Login ? [Login](#)

Registration Page

User Login

---Select Category---

Username

Password

☐ Remember [Forgot Password?](#)

Login

7. CONCLUSION & SCOPE OF FURTHER WORK

The development of the Adarsh International School website has been a meaningful step in enhancing the school's digital presence and improving communication with students, parents, and the wider community. Through careful planning, thoughtful design, and the use of modern technologies, the website successfully provides easy access to important information, supports online admissions, and offers updates on school activities in a professional and user-friendly manner.

The project clearly shows that a well-designed school website can make a significant difference in how an institution connects with its stakeholders. Positive feedback and increasing website engagement have confirmed that the platform meets the needs of its users and effectively reflects the spirit and values of Adarsh International School. The project also highlighted the

importance of continuous user feedback and regular maintenance to keep the website relevant and useful over time.

However, there is still room for further improvement and expansion. In the future, the school could add new features such as a virtual tour of the campus, an online fee payment gateway, an e-learning portal for students, and more interactive content like video updates and parent-teacher communication tools. Enhancing website security and implementing multilingual support are also areas that could be explored to make the platform even more inclusive and future-ready.

In conclusion, while the project has achieved its immediate goals, it has also opened the door to many exciting possibilities for further growth. The Adarsh International School website will continue to evolve, helping the school stay connected, accessible, and innovative in the years to come.

REFERENCES

1. Adarsh International School. (2025). *Official School Prospectus and Handbook*. Adarsh International School Publications.
2. Krug, S. (2014). *Don't Make Me Think: A Common Sense Approach to Web Usability* (Revisited Edition). New Riders.
3. Nielsen, J. (2020). *Usability Engineering for Educational Websites*. Nielsen Norman Group Research Papers.
4. WCAG (Web Content Accessibility Guidelines) 2.1. (2018). *Guidelines for Making Web Content More Accessible to People with Disabilities*. World Wide Web Consortium (W3C). Retrieved from <https://www.w3.org/TR/WCAG21/>
5. Powell, T. A. (2010). *HTML & CSS: The Complete Reference* (5th Edition). McGraw-Hill Education.
6. W3Schools.com. (2025). *Web Development Tutorials*. Retrieved from <https://www.w3schools.com>
7. ASP.NET Documentation. (2025). *Developing Dynamic Websites with ASP.NET*. Microsoft Docs. Retrieved from <https://learn.microsoft.com/en-us/aspnet/core/>
8. Sharma, R., & Gupta, M. (2019). *Impact of Educational Websites on School Community Engagement*. International Journal of Educational Technology Research.