

QUESTIN CODERS

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Business-friendly Solutions

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Abstract:

- **A school management website is an online platform designed to streamline and enhance the administrative, educational, and communication aspects within an educational institution. It serves as a centralized hub that enables efficient management of various school operations, including student information, attendance tracking, grade recording, scheduling, resource allocation, and communication between stakeholders such as students, parents, teachers, and administrators.**

Introduction:

- **school management websites offer a range of features such as:**

- 1. Student Information Management:** This includes maintaining student records, attendance, grades, and personal details.
- 2. Teacher and Staff Management:** Tracking teacher schedules, professional development, and performance evaluations.
- 3. Parent Communication:** Providing a means for parents to stay updated on their child's progress, upcoming events, and school announcements.
- 4. Curriculum Planning and Assessment:** Tools for designing, implementing, and assessing curriculum plans and educational outcomes.
- 5. Financial Management:** Managing budgets, fees, payroll, and other financial aspects of the institution.
- 6. Resource and Facility Management:** Handling inventory, scheduling facilities, and managing resources like textbooks and teaching aids

Methodology:

- Developing a school management website involves several stages
- Requirement Gathering
- Planning
- Design
- Development
- Testing
- Deployment
- Training and Documentation
- Maintenance and Support

Implementation:

- Conduct interviews, surveys, and workshops with school administrators, teachers, and parents to gather detailed requirements.
- Formulate a project plan with timelines, milestones, and resource allocation.
- Select appropriate technologies based on requirements and scalability needs.
- Collaborate with UX/UI designers to create wireframes and mockups based on gathered requirements.
- Begin front-end development using HTML, CSS, and JavaScript frameworks like React or Angular to create the website's interface.
- Simultaneously, work on back-end development using languages like Python, Node.js, or PHP to build the functionality and database connections.
- Perform unit testing for individual components and functionalities during development.
- Choose a reliable hosting platform or server infrastructure that meets the website's performance and security needs.
- Conduct training sessions for school staff on how to use different modules and features of the website.
- Establish a maintenance schedule for regular updates, bug fixes, and security patches.

Results:

- **Streamlined Administration:** A school management system automates administrative tasks like attendance tracking, grade recording, scheduling, and resource management.
- **Effective Resource Allocation:** Tools for curriculum planning, timetable creation, and resource management aid in optimizing resources and ensuring efficient utilization.
- **Support for Teaching and Learning:** Online learning modules, assignments, and access to educational resources provide teachers and students with tools to support teaching and learning both in-class and remotely.
- **Effective Resource Allocation:** Tools for curriculum planning, timetable creation, and resource management aid in optimizing resources and ensuring efficient utilization.

Summary

Implementing a school management system yields a range of transformative outcomes.

It streamlines administrative tasks, fosters better communication among stakeholders, enhances data management, and promotes transparency. Additionally, it encourages parental involvement, optimizes resource allocation, supports teaching and learning, facilitates data-driven decisions, ensures security and privacy, and allows for adaptability and scalability. Ultimately, it significantly improves the efficiency, effectiveness, and overall experience within educational institutions.

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Thank You