



SP Business Groups (A Multi-Sector Website)

¹Prof. Sangeeta Wankhade, ²Sayam Gada, ³Unnati Buddhiwant, ⁴Anvita Keer.

¹Guide, ^{2,3,4}Group Members

CO, Vidyalkar Polytechnic, Mumbai

ABSTRACT:

Multi sector companies have a unique challenge when it comes to their websites. How to feature all of the information of the sectors they are into in a way that provides a great user experience. It's hard to promote a single sector, so to provide audience engagement across the sectors 'SP Business Group' is looking forward to have a strong website of their own. The website of SP Business Group provides the user platform if he is looking for a group working in a multiple sector i.e. skill development (education sector), sports event management (sports sector) and café management (food sector). The project was on pause for a few years. But they are trying to enter the market again. So, to develop all the sectors of the company and to make the website more engaging we are providing our support to the group as our final year project. There are no specific requirements of the company provided to us, they want a well-developed and a user-friendly website using our and our mentor's expertise.

A multi -sector website typically aims to serve as a comprehensive online platform that provides information, resources and services across multiple industries and sectors. Its primary objective lies in facilitating seamless information dissemination, networking and collaboration among professionals, businesses and stakeholders from various fields.

Introduction:

SP Business Group is a dynamic and forward-thinking startup with a diverse footprint spanning across several industries and sectors. Their areas of expertise encompass the Education sector, Sports sector, and Food sector. The overarching goal for SP Business Group is to establish a compelling website that not only elucidates their operations but also acts as a catalyst for business expansion.

The need for a multisector website arises from the evolving digital landscape and the growing demand for a unified online platform that caters to a wide range of sectors, industries and interests. In today's world, individuals and businesses span various sectors, including education, healthcare, technology, finance and many more. The need to provide a central hub for diverse content, resources and networking opportunities is critical to address the interests and requirements of this broad audience.

With the abundance of online content and the rapid spreading of information, it has been increasingly challenging for users to sift through the vast amount of data available. A multisector website can serve as a curated source of information and resources, simplifying access to relevant content in a cluttered online environment.

While there may be existing websites or platforms catering to specific sectors, a multisector website offers several distinct advantages that set it apart:

Unlike single sector website consolidates information from various domains, offering users a on stop-shop for diverse content and sports event management.

The multisector website can employ advanced personalization algorithms to deliver necessary content and recommendations to user based on their sector-specific interests and preferences, providing a more relevant and engaging user experience. Also, users will not have to visit multiple websites to gain knowledge about multiple sectors.

Multiple sector websites eliminate the need to visit and manage multiple specialized websites. It saves time and effort. The scope of the multisector website project encompasses the development of a comprehensive online platform designed to cater to the diverse needs of users across various industries and sectors. This involves conducting thorough research to understand the specific requirements and preferences of the target audience, including their informational needs, browsing behaviors, and engagement preferences. The project includes designing and developing a user-friendly website with intuitive navigation and responsive design, ensuring seamless accessibility across different devices and screen sizes.

What is the SP Business Group?

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Methodology:

The methodology employed in developing, SP Business Groups Website encompasses thorough research, iterative design processes, and agile development methodologies, ensuring the seamless integration of modules and the implementation of user-centric features to meet the diverse needs of educational stakeholders.

Agile Development Method:

Agile is a flexible and iterative approach to software development that is well-suited to projects with evolving requirements and a need for continuous adaptation. Agile, work is typically divided into small, manageable units known as sprints. Each sprint delivers a potentially shippable product increment.

This approach allows you to prioritize and develop modules incrementally, making it easier to adjust to changing needs and add new modules as required. As shown in the figure, every module has been planned, designed, coded, tested and then launched again the same process is repeated for other module.

Who does it? Software Engineers and other project stakeholders (managers, customers, end users) work together on an agile team – a team that is self-organizing and in control of its own destiny. An agile team fosters communication and collaboration among all who serve on it.

How it used in our project? The basic framework activities – communication, planning, modeling, construction and deployment – remains. But they are morph into a minimal task set that pushes us towards construction and delivery.

How Does Agile Development work?

In practice, Agile works by establishing cross-functional teams that work closely together throughout the development process. These teams collaborate on defining requirements, planning iterations, and reviewing progress. Each iteration typically lasts from one to four weeks and results in a potentially shippable product increment. At the end of each iteration, stakeholders provide feedback, allowing for adjustments to be made in subsequent iterations. This iterative approach enables rapid delivery of value, reduces the risk of project failure, and fosters a culture of continuous improvement.

Typical work activities in Agile development include:

- Sprint Planning: Collaboratively defining the goals and tasks for each iteration (sprint) with the team.
- Daily Stand-ups: Brief meetings where team members discuss progress, plans, and any obstacles.
- Iterative Development: Building and testing software in short cycles, typically lasting one to four weeks.
- Continuous Integration: Frequently integrating code changes into a shared repository to detect and address issues early.
- Retrospectives: Regular meetings to reflect on the team's processes and identify areas for improvement.
- Stakeholder Collaboration: Engaging with customers and end-users to gather feedback and refine requirements.
- User Story Refinement: Breaking down features into smaller, actionable tasks (user stories) that deliver value.
- Testing and Quality Assurance: Conducting automated and manual tests to ensure the software meets quality standards.

The following methodologies collectively contribute to the successful design and implementation of SP Business Groups, enabling you to deliver a user-friendly, efficient, and feature-rich educational platform:

1. Agile Development: By breaking down tasks into manageable iterations and emphasizing collaboration and adaptability, you've likely embraced Agile principles to facilitate the development process.
2. User-Centered Design (UCD): Considering the needs and preferences of teachers, parents, administrators, and students suggests that you've incorporated UCD principles to ensure that the platform meets the requirements and expectations of its users.
3. Iterative Development: The continuous refinement of features and functionalities, as well as the emphasis on feedback loops, indicates that you've adopted an iterative approach to development, allowing for incremental improvements over time.
4. Prototyping: Creating prototypes or mockups of the platform's interface and functionalities may have been part of your design process to visualize and refine the user experience before full-scale implementation.

5. Requirement Analysis: Conducting thorough analysis and gathering requirements from stakeholders, such as teachers, parents, administrators, and students, suggests that you've followed a structured approach to ensure that the project aligns with user needs and organizational goals.

Objective:

1. **Streamlining Administrative Tasks:** To simplify and automate various administrative processes such as examination management, attendance tracking, classroom allocation, and campus navigation to save time and resources.
2. **Enhancing User Experience:** To provide teachers, parents, administrators, and students with a user-friendly platform that offers personalized dashboards, easy access to information, and seamless navigation.
3. **Prioritizing User Security and Privacy:** To ensure the security and privacy of user data by implementing robust authentication mechanisms, encryption protocols, and access controls.
4. **Promoting Engagement and Accountability:** To encourage student and parent engagement in the educational process by providing tools for monitoring attendance, tracking academic progress, and facilitating communication with teachers and administrators.
5. **Innovating Educational Technology:** To leverage advanced features such as detailed campus maps, emergency exit routes, and seamless examination and attendance modules to set a new standard in educational technology and enhance the overall learning experience.

Advantages:

1. **Centralized Platform:** A multisector website serves as a centralized platform where visitors can access information and services across various industries or sectors within a single website.
2. **Enhanced User Experience:** Users benefit from a streamlined experience, as they can find relevant information or services more efficiently without navigating through multiple websites.
3. **Cost-Effectiveness:** Managing a multisector website can be more cost-effective than maintaining separate websites for each sector, as it reduces administrative overhead and simplifies website maintenance.
4. **Strategic Advantage:** A multisector website provides a strategic advantage by offering a cohesive online presence that caters to the diverse needs of both the organization and its audience.
5. **Convenience:** Visitors can explore different sectors of interest without the need to navigate away to separate websites, providing a seamless browsing experience.
6. **One-Stop Destination:** Users can find information or services related to different sectors in one place, offering convenience and saving time.

Results:

Multi-sector companies face a distinct challenge in presenting all their diverse offerings in a cohesive and engaging manner on their websites. At SP Business Group, we recognize this challenge and are committed to overcoming it by creating a robust online platform that caters to the needs of multiple industries.

Our website serves as a centralized hub, offering comprehensive information and resources across various sectors. From technology to healthcare, finance to manufacturing, we provide valuable content that addresses the unique requirements of each industry we operate in. Our goal is to ensure that visitors can easily navigate through the site, effortlessly finding the information they need.

To achieve this, we prioritize seamless navigation and user-friendly design, making it easy for visitors to explore different sectors and discover relevant content. Whether you're interested in learning about the latest innovations in technology or exploring opportunities in finance, our website offers a wealth of resources to engage and inform.

At SP Business Group, we are dedicated to excellence in everything we do, including the online experience we provide to our audience. By continually refining and improving our website, we strive to create a dynamic and interactive platform that evolves alongside the needs of our diverse audience. Join us on our journey toward a better online experience for all, as we explore, engage, and innovate across multiple sectors.

OUTPUTS:

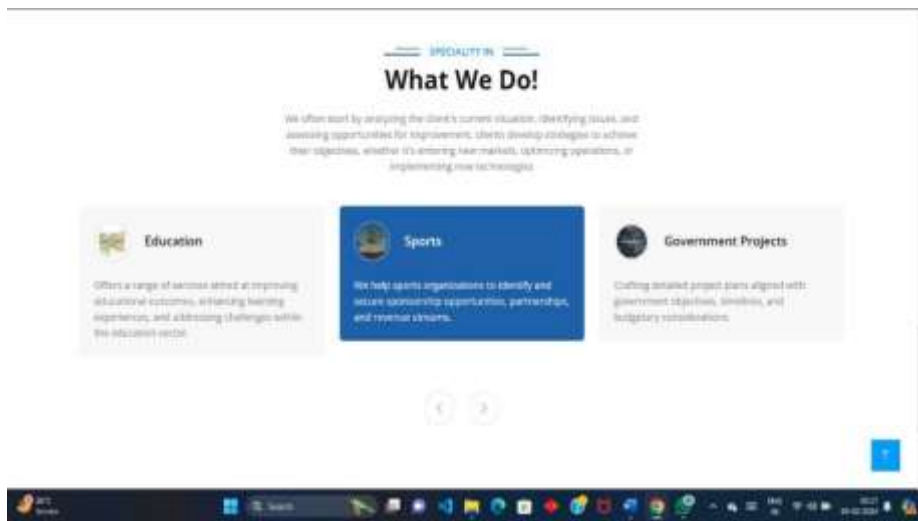
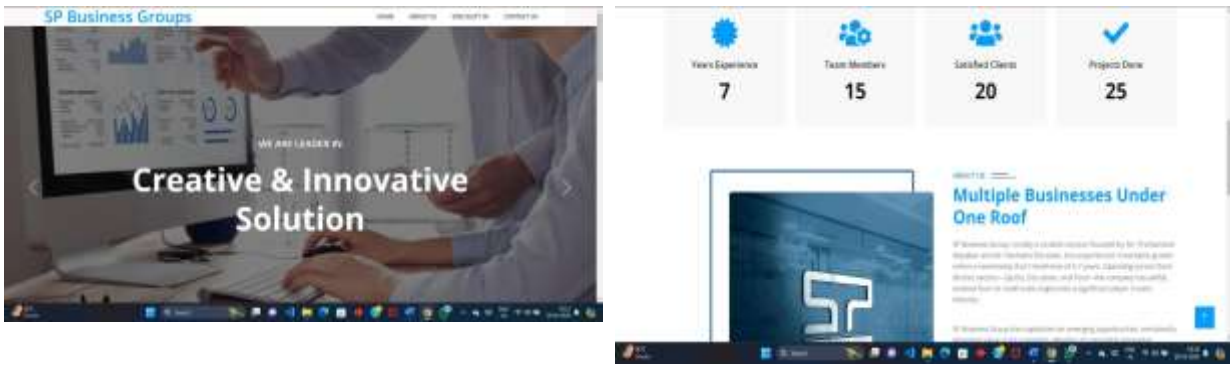
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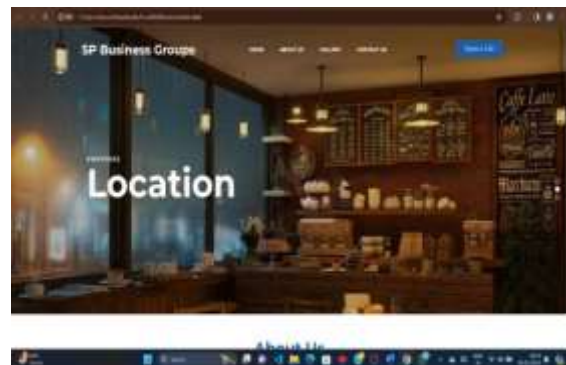
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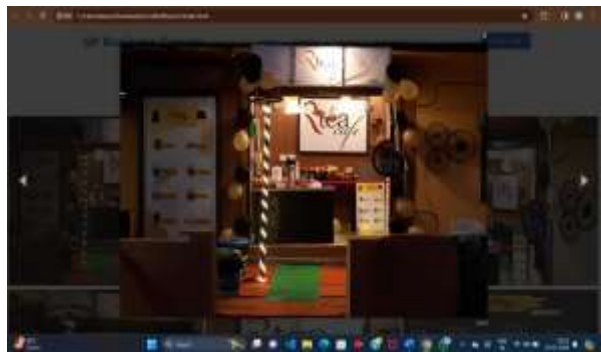


Consultant Sector:



Food Sector:

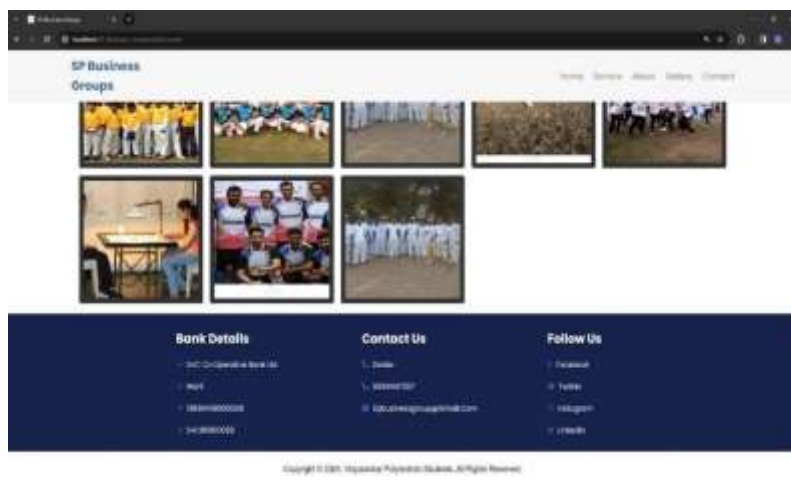




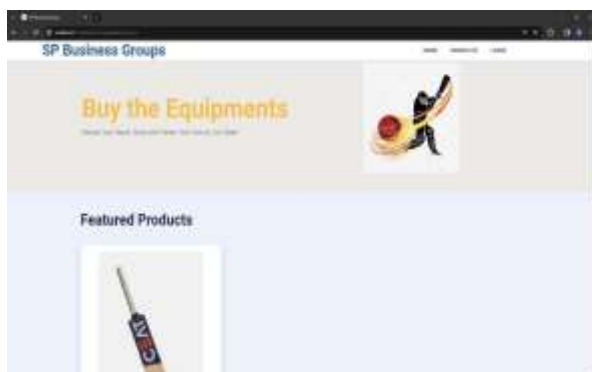
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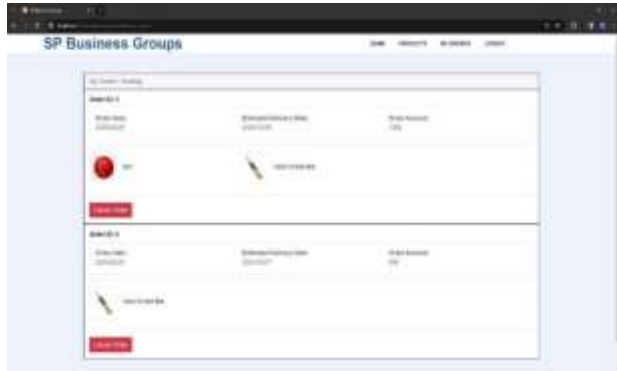
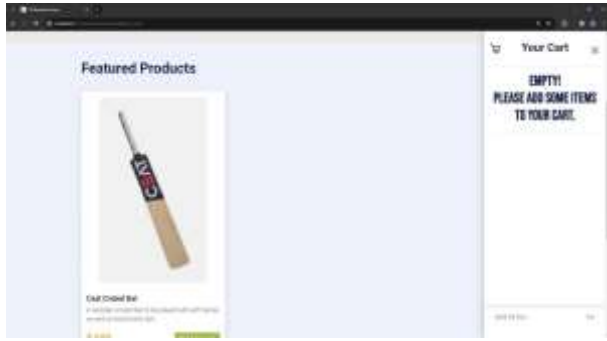


Sports Event management Sector



Sports Equipment's sector (E-Commerce)





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